ATMIC NETWORKS
YOUR GUIDE TO GLOBAL CERTIFIATION

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Topic 1, Bellows Sports

Case study

Overview

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Background

Bellows Sports is the region's newest, largest, and most complete sports complex. The company features baseball and soccer fields and two full-size hockey rinks. The complex provides coaching, recreational leagues, a pro shop, and state-of-the art customer and player amenities.

The company is organized into the following divisions:

Baseball
Hockey
Soccer

Bellow Sports runs tournaments several times per year. Each tournament runs six weeks.

Current environment

Requirements

Bellow Sports tracks players and events in Microsoft Excel workbooks and uses email to communicate with players, partners, and prospective customers. The company uses a proprietary cloud-based accounting system.

The company relies on referrals from athletes for new business. Bellows uses a third-party marketing company to gather feedback and referrals from athletes. The third-party marketing company uploads a Microsoft Excel file containing lists of potential customers and players to the FTP site that Bellows Sports maintains.

Tournaments

Customer information is stored in the Accounts entity. Each tournament record must list the associated sales representative as the tournament owner. When team members create tournament records they must enter the start date for a tournament. The end date of the tournament must be automatically calculated.

Registration form

You must create a form to allow players to register for tournaments. The registration form must meet the following requirements:

Division	Requirement
Baseball	Capture the age and weight of the player The height field must not display
Hockey	Capture the age height, and weight of the player
Soccer	Capture the age of the player The height and weight fields must not display

Each division has tournaments that take place in specific locations. Users must be able to select the division for a tournament location.

Information about upcoming tournaments must be pre-located into the registration form when the registration form loads.

The form must include a custom button that sends an email confirmation to the player after the player registers.

The button must not be visible until after the form is saved.

Security

The company identifies the following job roles:

Role	Tasks
Sales representative	These users will enter data into Dynamics 365 Customer Service
Intern	These users will create Power Apps apps, and connectors, and create Power Automate flows
Manager	These users will add users, assign security roles and manage data storage

You must grant users the minimum permissions required to perform their job tasks.

Data automation

Customer name must be added to Dynamics 365 Finance automatically after it is entered.

You must produce a report that details the number of registrations for a day and send the report as a PDF to the management team.

You must implement mechanisms to handle all code-related errors.

When a customer record is updated, the system must look up the account number for the customer in the accounting system.

Referrals must be imported into the system as soon as they are available.

Issues

Apps

The captions for the New and Save buttons do not render properly on the form.

Interns can create apps but cannot interact with their own data.

Portal

The query for all registered users must return the data categorized by division. Queries must return only the Name and Sport fields. Queries return all fields. The query is as follows:

```
GET [Organization.
URI]/api/data/v9.1/accounts?
&$orderby=Name, sport
&$filter=sport ne null
```

Solution checker issues

You run solution checker and observe Plug-in or workflow activity errors in the following code sets:

Set	Code	Error message

Code set 1	`CS101 var columns = new ColumnSet();`
	`CS102 columns.AllColumns = true;`
	`CS103 var query = new QueryExpression("account");`
	`CS104 query.ColumnSet = columns;`
	`CS105 var results = service.RetrieveMultiple(query);`
		il-specify-column

Code Set 2	`CS201 WebRequest request = WebRequest.Create ("https://www.bellows.com/api/stuff");`
	`CS202 HttpWebResponse response = new HttpWebResponse () ;`
	`CS203`
	`CS204 respone = request.GetResponse();`
	`CS205 response.Close();`
		il-turn-off-keepalive

Code

The following code runs when the registration form loads. You must implement a mechanism to handle errors that occur in the code:

```
UpdateRecord.js (Line numbers are included for reference only.)

UR01
UR02 var data =
UR03 {
UR04         "name" : "Updated Account"
              "creditonhold" : true, "description" : "This is an account
             update", "revenue" : 10,000, "Division" : 2 }
UR05 . . .
URO 6
```

Question: 1

DRAG DROP

You need to select connectors for the app.

Which types of connectors should you use? To answer, drag the appropriate connectors to the correct requirements. Each connector may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Connectors	Requirement	Connectors
Create a custom connector	View full registration records	
Use an AppSource connector.	View customer names.	
Use a native appt cation function.	View daily registrations.	
Create a connector with a Postman cotection		

Answer:

Explanation:

Requirement	Connectors
View full registration records.	Create a custom connector.
View customer names.	Use an AppSource connector.
View daily registrations.	Use a native application function.

Box 1: Create a custom connector

A custom connector is a wrapper around a REST API (Logic Apps also supports SOAP APIs) that allows Logic Apps, Power Automate, or Power Apps to communicate with that REST or SOAP API.

Box 2: Use an AppSource connector

You can only retrieve the Customer, UnifiedActivity, and Segments entities through the Power Apps connector. Other entities are shown because the underlying connector supports them through triggers in Power Automate.

Scenario: Customer information is stored in the Accounts entity.

Box 3: Use a native application function

You must produce a report that details the number of registrations for a day and send the report as a PDF to the management team.

Reference:

https://docs.microsoft.com/en-us/connectors/custom-connectors/

https://docs.microsoft.com/en-us/dynamics365/customer-insights/audience-insights/export-power- apps

Question: 2

You need to determine the primary cause of the issue reported by interns when they use the app. What is the primary cause?

A. Interns have the System Customizer security role but need the Environment Maker security role. B. Interns have the Common Data Service User security role but need the Environment Maker security role.

C. Interns have the Environment Maker security role but need the Common Data Service User security role.

D. Interns have the Environment Maker security role but need the System Customizer security role. E. Interns have the Environment Maker security role but need the Delegate security role.

Answer: D

Explanation:

Scenario: Interns can create apps but cannot interact with their own data.

Environment Maker role: Can create new resources associated with an environment, including apps, connections, custom APIs, gateways, and flows using Microsoft Power Automate. However, this role doesn't have any privileges to access data within an environment.

System Customizer role: full permission to customize the environment. However, users with this role can only view records for environment entities that they create.

Reference:

https://docs.microsoft.com/en-us/power-platform/admin/database-security

Question: 3

You need to handle errors in UpdateRecord.js. Which code segment should you add at line UR06?

A. catch(error) {

alert("Caught error: " + error.message);}

B. Exception exception = Server.GetLastError() ; if(exception != null)}

C. catch(exception e){ console.writeline(e)} D. function (error){ console.log(error.message)}

Answer: A

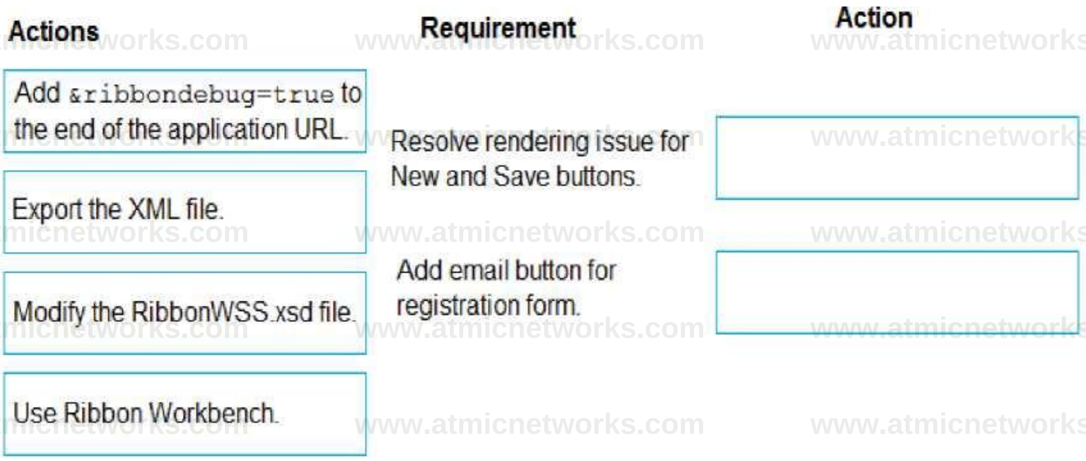
Explanation:
https://docs.microsoft.com/en-us/powerapps/developer/model-driven-apps/clientapi/reference/xrm-webapi/updaterecord

Question: 4

DRAG DROP

You need to address the user interface issues.What should you do? To answer, drag the appropriate actions to the correct issues. Each action may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.



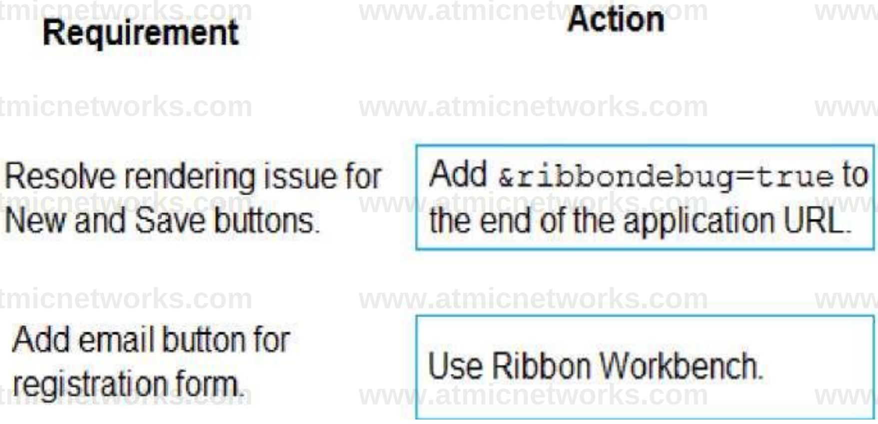
Actions

- Add `&ribbondebug=true` to the end of the application URL.
- Export the XML file.
- Modify the RibbonWSS.xsd file.
- Use Ribbon Workbench.

Requirement	Action
Resolve rendering issue for New and Save buttons.	
Add email button for registration form.	

Answer:

Explanation:



Requirement	Action
Resolve rendering issue for New and Save buttons.	Add `&ribbondebug=true` to the end of the application URL.
Add email button for registration form.	Use Ribbon Workbench.

Box 1: Add &ribbondebug=true to the end of the application URL.

Scenario: The captions for the New and Save buttons do not render properly on the form.

You can use the an in-app tool called the Command Checker to inspect the ribbon component definitions to help us determine why the button is not rendered correctly.

To enable the Command Checker, you must append a parameter &ribbondebug=true to your D365 application URL. For example: https://yourorgname.crm.dynamics.com/main.aspx?appid=9ab590fc- d25e-ea11-a81d-000d3ac2b3e6&ribbondebug=true

Box 2: Use the Ribbon Workbench

Adding Buttons to Ribbons

Download and install Ribbon Workbench.

Select a suitable ICON for your button.

Create a solution.

Edit the button in Ribbon Workbench.

Publish and test.

Reference:

https://support.microsoft.com/en-us/help/4552163/ribbon-troubleshooting-guide

https://neilparkhurst.com/2015/10/19/adding-buttons-to-ribbons/

Question: 5

You need to add the script for the registration form event handling.

Which code segment should you use?

A. formContext.data.entity.addOnSave(myFunction)
B. formContext.data.addOnLoad(myFunction)
C. formContext.data.removeOnLoad(myFunction)
D. addOnPreProcessStatusChange
E. formContext.data.isValid()

Answer: B

Explanation:

Scenario: Information about upcoming tournaments must be pre-located into the registration form when the registration form loads.

addOnLoad adds event handlers to the Subgrid OnLoad event event.

Reference:

https://docs.microsoft.com/en-us/powerapps/developer/model-driven-apps/clientapi/reference/grids/gridcontrol/addonload

Question: 6

DRAG DROP

You need to assign security roles to groups of users.

Which security roles should you use? To answer, drag the appropriate security types to the correct roles. Each security type may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Security types

Answer Area

Environment Maker

System Administrator

Common Data Service User

System Customizer

Role	Security type
Intern	Security type
Manager	Security type
Sales representative	Security type

Answer:

Explanation:

Role	Security type
Intern	Environment Maker
Manager	System Administrator
Sales representative	Common Data Service User

Scenario: The company identifies the following job roles:

Role	Tasks
Sales representative	These users will enter data into Dynamics 365 Customer Service.
Intern	These users will create Power Apps apps, and connectors, and create Power Automate flows.
Manager	These users will add users, assign security roles, and manage data storage.

You must grant users the minimum permissions required to perform their job tasks.

Intern: Environment Maker

Environment Maker: Can create new resources associated with an environment, including apps, connections, custom APIs, gateways, and flows using Microsoft Power Automate. However, this role doesn't have any privileges to access data within an environment.

Manager: System Administrator:

System Administrator: Has full permission to customize or administer the environment, including

creating, modifying, and assigning security roles. Can view all data in the environment.

Sales representative: Common Data Service User

Basic User/ Common Data Service User: Read (self), Create (self), Write (self), Delete (self)

Can run an app within the environment and perform common tasks for the records that they own.

Question: 7

HOTSPOT

You need to select data types for required fields.

Which data types should you use? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer:

Explanation:

Box 1: Option Set

Box 2: Date only

When team members create tournament records they must enter the start date for a tournament.

The end date of the tournament must be automatically calculated.

Box 3: Lookup

Customer information is stored in the Accounts entity. Each tournament record must list the associated sales representative as the tournament owner.

Note: When you create a new lookup column you are creating a new Many-to-One (N:1) table relationship between the table you're working with and the Target Row Type defined for the lookup. There are additional configuration options for this relationship that are described in Create and edit relationships between tables. But all custom lookups can only allow for a reference to a single row for a single target row type.

Reference:

https://docs.microsoft.com/en-us/powerapps/maker/data-platform/types-of-fields

Question: 8

You need to configure the system to support automation for referrals.

What are two possible ways to achieve the goal? Each correct selection presents a complete solution.

NOTE: Each correct selection is worth one point.

A. Azure Function that uses the Discovery service
B. workflow extension
C. Azure Function that uses a listener
D. Power Automate flow

Answer: CD

Explanation:

https://docs.microsoft.com/en-us/dotnet/api/system.io.filesystemwatcherhttps://docs.microsoft.com/en-us/power-automate/

Question: 10

You need to add the script to populate event data on the form.

Which code segment should you use?

A. formContext.data.addOnLoad(myFunction)

B. formContext.data.removeOnLoad(myFunction)
C. formContext.data.entity.addOnSave(myFunction)
D. addOnPreProcessStatusChange
E. formContext.data.isValid()

Answer: A

Explanation:

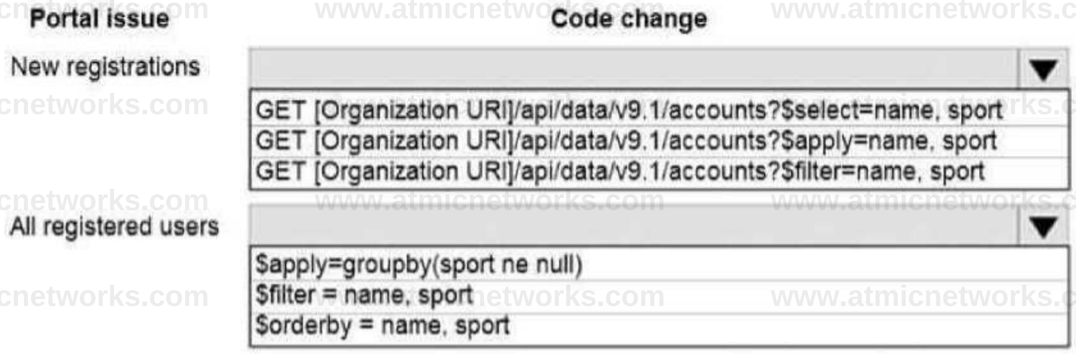
Question: 11

HOTSPOT

You need to correct the portal query issues.

Which code should you use? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.



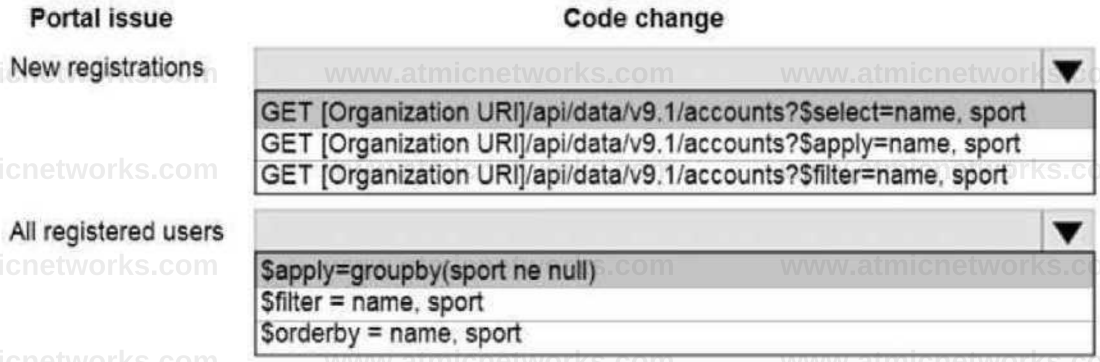
Portal issue **Code change**

New registrations
- GET [Organization URI]/api/data/v9.1/accounts?$select=name, sport
- GET [Organization URI]/api/data/v9.1/accounts?$apply=name, sport
- GET [Organization URI]/api/data/v9.1/accounts?$filter=name, sport

All registered users
- $apply=groupby(sport ne null)
- $filter = name, sport
- $orderby = name, sport

Answer:

Explanation:



Portal issue **Code change**

New registrations
- GET [Organization URI]/api/data/v9.1/accounts?$select=name, sport
- GET [Organization URI]/api/data/v9.1/accounts?$apply=name, sport
- GET [Organization URI]/api/data/v9.1/accounts?$filter=name, sport

All registered users
- $apply=groupby(sport ne null)
- $filter = name, sport
- $orderby = name, sport

Scenario: The query for all registered users must return the data categorized by division. Queries must return only the Name and Sport fields. Queries return all fields. The query is as follows:

```
GET [Organization URI]/api/data/v9.1/accounts?
&$orderby=Name, sport &$filter=sport ne null
```

Box 1: GET ..$select=name, sport
Use select to return only the Name and Sport fields.

Box 2: $apply(groupby(sport ne null)
Categorize by division, that is to sports.

Topic 2, Adventure Works

Case study

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Background

Current environment

Adventure Works Cycles wants to replace their paper-based bicycle manufacturing business with an efficient paperless solution. The company has one manufacturing plant in Seattle that produces bicycle parts, assembles bicycles, and distributes finished bicycles to the Pacific Northwest.

Adventure Works Cycles has a retail location that performs bicycle repair and warranty repair work. The company has six maintenance vans that repair bicycles at various events and residences.

Adventure Works Cycles recently deployed Dynamics 365 Finance and Dynamics 365 Manufacturing in a Microsoft-hosted environment for financials and manufacturing. The company plans to leverage the Microsoft Power Platform to migrate all of their distribution and retail workloads to Dynamics 365 Unified Operations.

The customer uses Dynamics 365 Sales. Dynamics 365 Customer Service and Dynamics 365 Field Service.

Retail store information

Adventure Works Cycle has one legal entity, four warehouses, and six field service technicians. Warehouse counting is performed manually by using a counting journal. All warehouse boxes and items are barcoded.

The Adventure Works Cycles retail location performs bicycle inspections and performance tune-ups.

Technicians use paper forms to document the bicycle inspection performed before a tune-up and any additional work performed on the bicycle.

Adventure Works Cycles uses a Power Apps app for local bike fairs to attract new customers.

A canvas app is being developed to capture customer information when customers check in at the retail location. The app has the following features:

Customer selects yes or no if they are on the mailing list.

Customer selects the amount of times they have visited the store.

Customer selects the type of service needed.

The search result returns all last name records that match the search term.

Technology

Requirements

A plug-in for Dynamics 365 Sales automatically calculated the total billed time from all activities on a particular customer account, including sales representative visits, phone calls, email correspondence, and repair time compared with hours spent.

A shipping API displays shipping rates and tracking information on sales orders. The contract allows for 3,000 calls per month.

Ecommerce orders are processed in batch daily by using a manual import of sales orders in Dynamics 365 Finance.

Microsoft Teams is used for all collaboration.

All testing and problem diagnostics are performed in a copy of the production environment. Customer satisfaction surveys are recorded with Microsoft Forms Pro. Survey replies from customers are sent to a generic mailbox.

Automation

A text message must be automatically sent to a customer to confirm an appointment and to notify when a technician is on route that includes their location.

Ecommerce sales orders must be integrated into Dynamics 365 Finance and then exported to Azure every night.

A text alert must be sent to employees scheduled to assist in the repair area of the retail store if the number of repair check-ins exceeds eight.

Submitted customer surveys must generate an email to the correct department. Approval and follow-up must occur within a week.

Reporting

The warehouse manager's dashboard must contain warehouse counting variance information.

A warehouse manager needs to quickly view warehouse KPIs by using a mobile device.

Power BI must be used for reporting across the organization.

User experience

Warehouse counting must be performed by using a mobile app that scans barcodes on boxes.

All customer repairs must be tracked in the system no matter where they occur.

Qualified leads must be collected from local bike fairs.

Issues

Warehouse counting must be performed by using a mobile app that scans barcodes on boxes.

All customer repairs must be tracked in the system no matter where they occur.

Qualified leads must be collected from local bike fairs.

Internal

User1 reports receives an intermittent plug-in error when viewing the total bill customer time.

User2 reports that Azure consumption for API calls has increased significantly to 100 calls per minute in the last month.

User2 reports that sales orders have increased.

User5 receives the error message: 'Endpoint unavailable' during a test of the technician dispatch ISV solution.

The parts department manager who is the approver for the department is currently on sabbatical.

External

CustomerB reports that the check-in app returned only one search result for their last name, which is not the correct name.

Nine customers arrive in the repair area of the retail store, but no texts were sent to scheduled employees.

Customers report that the response time from the information email listed on the Adventure Works Cycles website is greater than five days.

CustomerC requested additional information from the parts department through the customer survey and has not received a response one week later.

Question: 12

You need to improve warehouse counting efficiency.

What should you create?

A. a flow that updates the warehouse counts as the worker performs the count
B. a model-driven app that allows the user to key in inventory counts

C. A Power BI dashboard that shows the inventory counting variances
D. a canvas app that scans barcodes to allow a warehouse worker to select inventory counts

Answer: D

Explanation:

Scenario: Warehouse counting is performed manually by using a counting journal. All warehouse boxes and items are barcoded.

Question: 13

You need to replace the bicycle inspection forms.
Which two solutions should you use? Each answer presents part of the solution.
NOTE: Each correct selection is worth one point.

A. a flow that maps inspection data to Dynamics 365 Field Service
B. a logic app that guides the technician through the inspection
C. a canvas app that guides the technician through the inspection
D. a model-driven app based on customer service entities

Answer: AD

Explanation:

Scenario: The Adventure Works Cycles retail location performs bicycle inspections and performance tune-ups. Technicians use paper forms to document the bicycle inspection performed before a tune- up and any additional work performed on the bicycle.

Reference:
https://docs.microsoft.com/en-us/dynamics365/field-service/overview

https://us.hitachi-solutions.com/blog/canvas-vs-model-driven-apps/

Question: 14

You need to resolve CustomerB’s issues with the check-in application.
Which two options can you use? Each correct answer presents a complete solution.
NOTE: Each correct selection is worth one point.

A. LookUp to Filter
B. Filter to LookUp
C. Search to LookUp
D. LookUp to Search

Answer: AD

Explanation:

CustomerB reports that the check-in app returned only one search result for their last name, which is not the correct name.

The Filter function finds records in a table that satisfy a formula. Use Filter to find a set of records that match one or more criteria and to discard those that don't.

The LookUp function finds the first record in a table that satisfies a formula. Use LookUp to find a single record that matches one or more criteria.

The Search function finds records in a table that contain a string in one of their columns.

Reference:

https://docs.microsoft.com/en-us/powerapps/maker/canvas-apps/functions/function-filter-lookup

Question: 15

You need to identify the execution mode that is being used for the ISV solution reported by User5.
Which type of execution mode is in use?

A. asynchronous
B. atomicity
C. transfer
D. synchronous

Answer: D

Explanation:

User5 receives the error message: 'Endpoint unavailable' during a test of the technician dispatch ISV solution.
When you choose to use a synchronous execution mode any failure will be reported back to the user of the application with an Endpoint unavailable error dialog informing the user that the webhook service endpoint may be configured incorrectly or is not available.

Reference:
https://docs.microsoft.com/en-us/powerapps/developer/common-data-service/use-webhooks

Question: 16

You need to modify Microsoft flow to resolve CustornerCs issue. What should you do?

A. Add a data operation that specifies the false conditions.
B. Add a configure run that is set to Is successful.
C. Add a timeout setting to the approval flow.
D. Add b condition containing approval hierarchy.

Answer: C

Explanation:

Scenario: CustomerC requested additional information from the parts department through the customer survey and has not received a response one week later.

Imagine having a process where you want to give someone a couple of days to reply to an approval. If that someone doesn't respond in time, you want to assign a new approval to another person or group of people.
To achieve this you can set the timeout in the action settings.

Reference:
https://www.o365dude.com/2018/06/02/timeout-flow-approvals/

Question: 17

You need to reduce response time for the information email on the website.
What should you create?

A. A flow that create a notification in Microsoft Teams
B. A power Apps app that displays the number of emails received in a dashboard
C. A flow that creates a SharePoint item for each email response
D. Logic app that moves all emails received to Azure Blob storage.

Answer: A

Explanation:

Scenario:
Customers report that the response time from the information email listed on the Adventure Works Cycles website is greater than five days.
Microsoft Teams is used for all collaboration.

Question: 18

You need to ensure that Adventure Works Cycle can track information from visitors to bike fairs. What should you create?

A. A workflow in Dynamics 365 Sales Engagement for capabilities leads
B. A flow to capture customer data from the bike fair Power Apps in SharePoint and create a lead in Microsoft Teams.
C. A flow that connects with the bike fair Power Apps to create a lead in Dynamic 365 Sales
D. A Microsoft flow that generates a new customer record in SharePoint

Answer: C

Explanation:

By using a Dynamics 365 connector, you can create flows that initiate when an event occurs in Dynamics 365, or some other service, which then performs an action in Dynamics 365, or some other service.

Reference:
https://docs.microsoft.com/en-us/power-automate/connection-dynamics365

Question: 19

HOTSPOT

You need to select the visualization component.

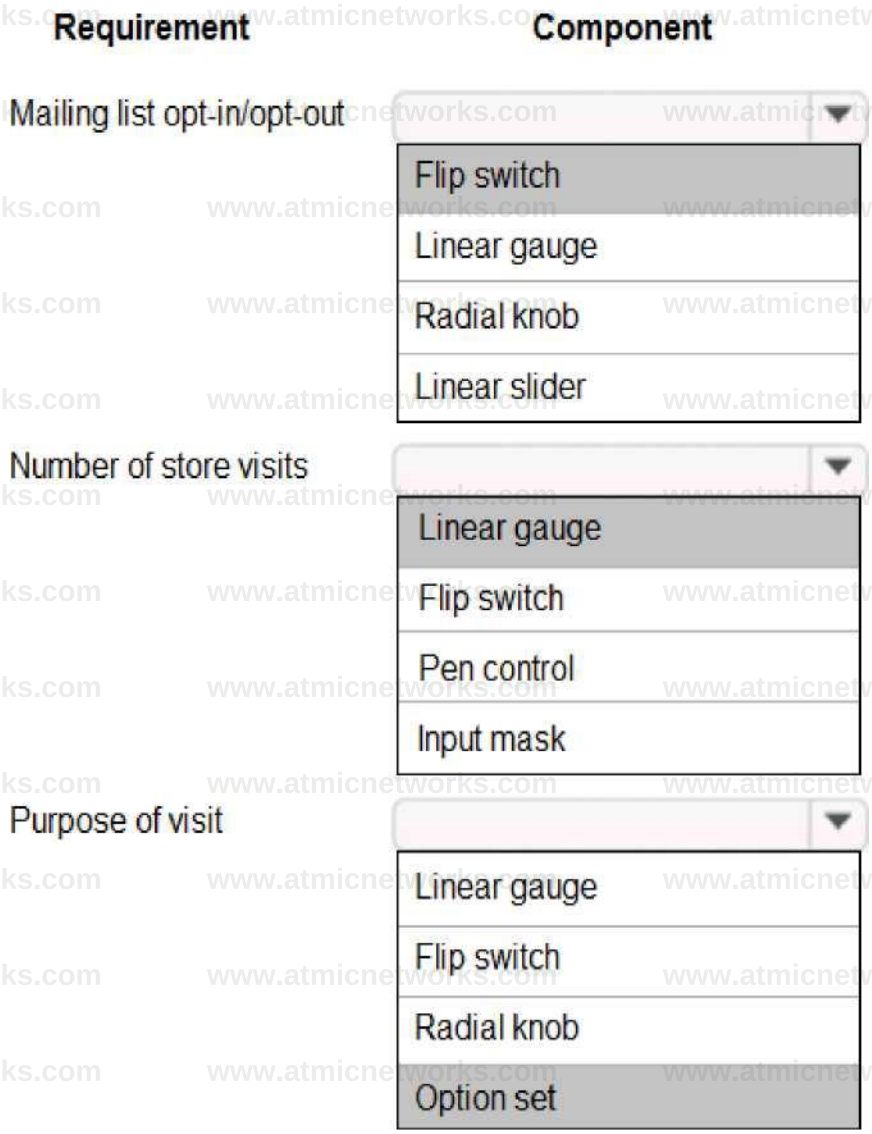
What should you use? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Requirement	Component
Mailing list opt-in/opt-out	▼ Flip switch Linear gauge Radial knob Linear slider
Number of store visits	▼ Linear gauge Flip switch Pen control Input mask
Purpose of visit	▼ Linear gauge Flip switch Radial knob Option set

Answer:

Explanation:



Requirement | **Component**

Mailing list opt-in/opt-out
- Flip switch
- Linear gauge
- Radial knob
- Linear slider

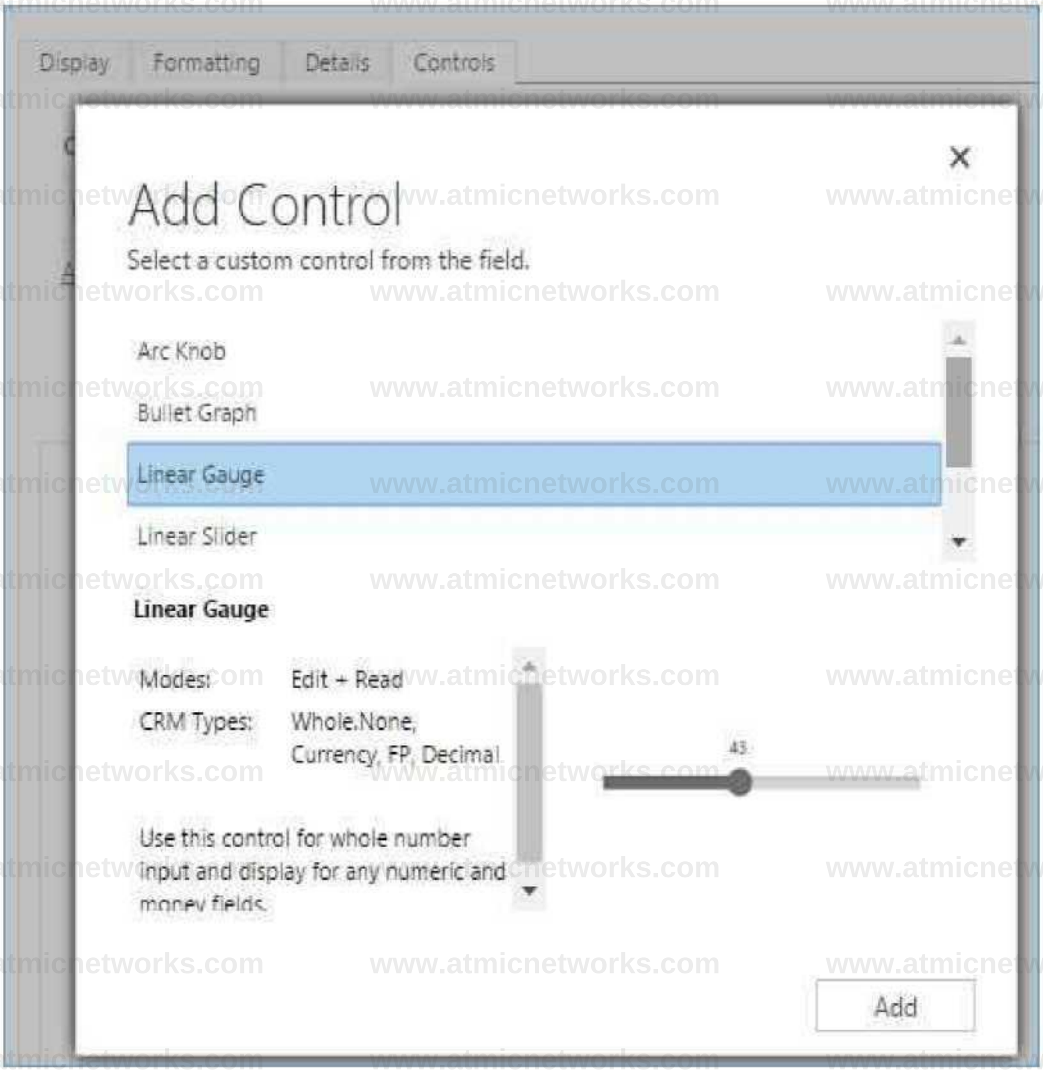
Number of store visits
- Linear gauge
- Flip switch
- Pen control
- Input mask

Purpose of visit
- Linear gauge
- Flip switch
- Radial knob
- Option set

Box 1: Flip switch
The Field Type to use Flip Switch would be 'Two options'.

If you go by UI perspective, Flip switch control- Yes/No (Boolean) options would give the nice field look in the web, mobile app and Tablet. Instead of using check boxes and radio buttons, this control adds a visual effect like the On/Off switch way.

Box 2: Linear gauge



Add Control

Select a custom control from the field.

Linear Gauge

Modes: Edit + Read

CRM Types: Whole.None, Currency, FP, Decimal

Use this control for whole number input and display for any numeric and money fields.

Box 3: Option Set

Option sets are the ideal choice for offering users a list of defined options for a field selection.

Reference:

https://www.inogic.com/blog/2018/04/controls-in-dynamics-365-for-mobile-app-flip-switch/

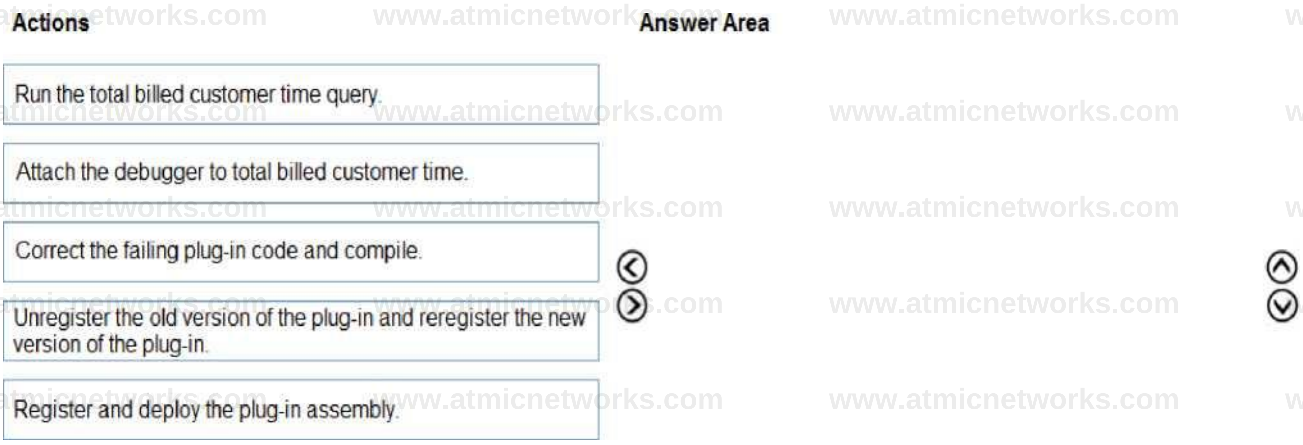
https://community.dynamics.com/365/sales/b/crminogic/posts/new-controls-for-phones-and- tablets-in-dynamics-crm-2016-update-1

Question: 20

DRAG DROP

You need to resolve the performance issue with the Total Billed customer plug-in.

In which order should you perform the actions? To answer, move all actions from the list of actions to the answer area and arrange them in the correct order.



Actions

Run the total billed customer time query.

Attach the debugger to total billed customer time.

Correct the failing plug-in code and compile.

Unregister the old version of the plug-in and reregister the new version of the plug-in.

Register and deploy the plug-in assembly.

Answer Area

Answer:

Explanation:

Attach the debugger to total billed customer time

Run the total billed customer time query.

Correct the failing plug-in code and compile

Register and deploy the plug-in assembly.

Unregister the old version of the plug-in and reregister the new version of the plug-in.

Scenario: User1 reports that performance is slow when viewing total billed customer time.

A plug-in for Dynamics 365 Sales automatically calculates the total billed time from all activities on a particular customer account, including sales representatives' visits, phone calls, email correspondence, and repair time compared with hours spent.

Reference:
https://docs.microsoft.com/en-us/dynamics365/customerengagement/on-premises/developer/register-deploy-plugins

Question: 21

You need to reduce response time for the information email on the website.

What should you create?

A. a flow that creates a SharePoint item for each email response
B. a flow that creates a notification in Microsoft Teams

C. a Power Apps app that displays the number of email received in a dashboard

D. a logic app that moves all emails received to Azure Blob storage

Answer: B

Explanation:

Scenario:

Customers report that the response time from the information email listed on the Adventure Works Cycles website is greater than five days.

Microsoft Teams is used for all collaboration.

Microsoft teams support email notifications.

Reference:

https://support.microsoft.com/en-us/office/manage-notifications-in-teams-1cc31834-5fe5-412b-8edb-43fecc78413d

Question: 22

DRAG DROP

You need to identify why employees are not receiving notification that nine customers are checked in and waiting in the repair area.

Which components should you test for each step? To answer, drag the appropriate components to the correct steps. Each component may be used once, more than once, or not at all.

You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Components	Step	Component
action	outbound text	----------------------
condition	nine customers in the store	----------------------
expression	number of customers in the store	______________________
data operation		

Answer:

Explanation:

Step **Component**

outbound text	action
nine customers in the store	condition
number of customers in the store	data operation

Scenario: A text alert must be sent to employees scheduled to assist in the repair area of the retail store if the number of repair check-ins exceeds eight.

Box 1: action

Box 2: condition

Box 3: data operation

Question: 23

You need to improve the efficiency of counting warehouse inventory.
What should you create?

A. a model-driven app that allows the user to key in inventory counts
B. a Power BI dashboard that shows the inventory counting variances
C. a flow that updates the warehouse counts as the worker performs the count
D. a canvas app that scans barcodes to allow a warehouse worker to select inventory counts

Answer: D

Explanation:

Scenario: Warehouse counting is performed manually by using a counting journal. All warehouse boxes and items are barcoded.

Barcode scanner control for canvas apps: Scans barcodes, QR codes, and data-matrix codes on an Android or iOS device.

Description
The control opens a native scanner on an Android or iOS device. The scanner automatically detects a barcode, a QR code, or a data-matrix code when in view.

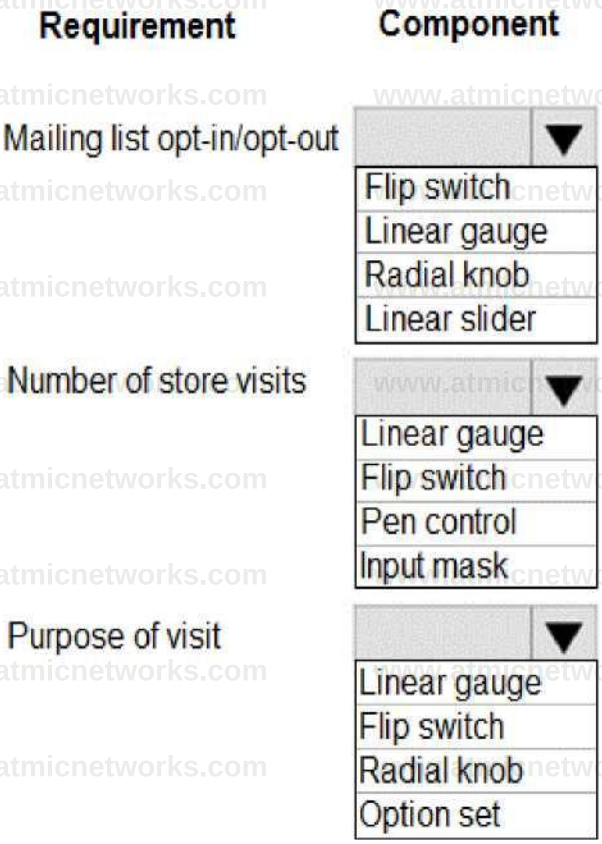
Reference:
https://docs.microsoft.com/en-us/powerapps/maker/canvas-apps/controls/control-new-barcode- scanner

Question: 24
HOTSPOT

You need to select visualization components.

What should you use? To answer, select the appropriate options from the answer area.

NOTE: Each correct selection is worth one point.



Requirement **Component**

Mailing list opt-in/opt-out ▼
Flip switch
Linear gauge
Radial knob
Linear slider

Number of store visits ▼
Linear gauge
Flip switch
Pen control
Input mask

Purpose of visit ▼
Linear gauge
Flip switch
Radial knob
Option set

Answer:

Explanation:

Requirement Component

Mailing list opt-in/opt-out ▼
Flip switch Linear gauge Radial knob Linear slider

Number of store visits w
Linear gauge Flip switch Pen control Input mask

Purpose of visit ▼ Linear gauge Flip switch Radial knob Option set

Scenario: Customer satisfaction surveys are recorded with Microsoft Forms Pro.

Box 1: Flip switch
The flip switch is like an on/off switch, providing a choice between two values.

Box 2: Linear gauge
The linear gauge lets your users input numerical values by dragging a slider instead of typing in the exact quantity. The slider provides whole number input and display only. Use this control for any numerical and money columns.

Box 3: Option set

The choice control presents a set of options for your users to choose from when entering data.

You can customize forms (main, quick create, and quick view) and email templates by adding multiselect columns that are called Choices. When you add a choices column, you can specify multiple values that will be available for users to select. When users fill out the form they can select one, multiple, or all the values displayed in a drop-down list.

Reference:

https://docs.microsoft.com/en-us/powerapps/maker/model-driven-apps/additional-controls-for-dynamics-365-for-phones-and-tablets

Question: 25

You need to modify the Power Automate flow to resolve CustomerC's issue.

What should you do?

A. Add a configure run that is set to is successful.

B. Add a data operation that specifies the false conditions.

C. Add a condition containing approval hierarchy.

D. Add a timeout setting to the approval flow.

Answer: D

Explanation:

Scenario: CustomerC requested additional information from the parts department through the customer survey and has not received a response one week later.

Reference:

https://docs.microsoft.com/en-us/power-automate/sequential-modern-approvals

Question: 26

DRAG DROP

You need to recommend solutions to meet the e-commerce automation requirements.

Which platform tools should you recommend? To answer, drag the appropriate tools to the correct requirements. Each tool may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Tools

- Power Apps
- Logic Apps
- Power Automate
- Workflow

Requirement	Tool
Online sales orders	
Customer survey	

Answer:

Explanation:

Requirement	Tool
Online sales orders	Logic Apps
Customer survey	Power Automate

Box 1: Logic Apps

Scenario: Ecommerce sales orders must be integrated into Dynamics 365 Finance and then exported to Azure every night.

For integration with Dynamics 365 Logic Apps can be used. It also supports scheduled actions. For integration with Azure use Logic Apps, instead of Power Automate.

Incorrect Answers:

Workflow does not support run on schedule.

Power Automate does not support Azure integration. (For integration with Dynamics 365 Power Automate can be used. It also supports scheduled actions.)

Box 2: Power Automate

Scenario: Submitted customer surveys must generate an email to the correct department. Approval and follow-up must occur within a week.

Power Automate has approval flows.

Incorrect Answers:

Workflow does not support Approval workflows.

Reference:
https://docs.microsoft.com/en-us/microsoft-365/community/power-automate-vs-logic-apps

https://docs.microsoft.com/en-us/power-automate/replace-workflows-with-flows

Question: 27

You need to ensure that Adventure Works Cycles can track information from visitors to bike fairs. What should you create?

A. a Power Automate flow that connects with the bike fair Power Apps app to create a lead in Dynamics 365 Sales

B. a Power Automate flow that generates a new customer record in SharePoint.

C. a Power Automate flow to capture customer data from the bike fair Power Apps app in SharePoint and create a lead in Microsoft Teams.

D. a business process flow in Dynamics 365 Sales for capturing leads.

Answer: A

Explanation:

Scenario:
Qualified leads must be collected from local bike fairs.
Adventure Works Cycles uses a Power Apps app for local bike fairs to attract new customers.
By using a Dynamics 365 connector, you can create flows that initiate when an event occurs in Dynamics 365,
or some other service, which then performs an action in Dynamics 365, or some other service.
In Power Automate, you can set up automated workflows between your favorite apps and services to synchronize files, get notifications, collect data, and more.

Reference:
https://docs.microsoft.com/en-us/power-automate/connection-dynamics365

Question: 28

You need to reduce the number of Azure consumption API calls for User2.
Which markup segment should you use?

A)

```
<policies>
   <inbound>
     Cbase />
     <rate-limit-by-key calls="100"
     renewal-period= "30"
     increment-conditions "@(context.Response.StatusCode = = 200)" counter-
     key= "@(context.Request.IpAddress)"/>
   </inbound>
   <outbound>
     <base />
   </outbound>
</policies>
```

B)

```
<policies>
  Cinhound>
     Chase />
     Crate-limit calls="1000" renewal-peri0d= "90" />
  c/inbound>
  Coutbound>
     Chase />
  C/outhound>
C/policies>
```

C)

```
<policies>
  <inbound>
    Cbase />
    <rate-limit-by-key calls="l"
    renewal-period= "60"
    increment-condition= "@(context.Response.StatusCode = = 200)" counter-
    key="@(context.Request.IpAddress)"/>
  </inbound>
  <outbound>
    <base />
  </outbound>
</policies>
```

D)

```
<policies>
  <inbound>
    Cbase />
    <quota calls="100" bandwidth="400" renewal-period="30" />
  </inbound>
    <outbound>
         <base />
  </outbound>
</policies>
```

A. Option A
B. Option B
C. Option C
D. Option D

Answer: C

Explanation:

Scenario: User2 reports that Azure consumption for API calls has increased significantly to 100 calls per minute in the last month.

Example:

In the following example, the rate limit of 10 calls per 60 seconds is keyed by the caller IP address. After each policy execution, the remaining calls allowed in the time period are stored in the variable remainingCallsPerIP.

```
<policies>
<inbound>
<base />
<rate-limit-by-key calls="10"
renewal-period="60"
increment-condition="@(context.Response.StatusCode == 200)"
counter-key="@(context.Request.IpAddress)" remaining-calls-variable-
name="remainingCallsPerIP"/>
</inbound>
<outbound>
<base />
</outbound>
</policies>
```

Note: The rate-limit-by-key policy prevents API usage spikes on a per key basis by limiting the call rate to a specified number per a specified time period. The key can have an arbitrary string value and is typically provided using a policy expression. Optional increment condition can be added to specify which requests should be counted towards the limit. When this call rate is exceeded, the caller receives a 429 Too Many Requests response status code.

Incorrect Answers:

A: With renewal-period="30" 200 calls/minute would be allowed.

B: This would increase the calls/minute limit to 1000.

Reference:

https://docs.microsoft.com/en-us/azure/api-management/api-management-access-restriction- policies

Topic 3, Contoso Pharmaceuticals

Case study

Overview

This is a case study. Case studies are not timed separately. You can use as much exam time as you would like to complete each case. However, there may be additional case studies and sections on this exam. You must manage your time to ensure that you are able to complete all questions included on this exam in the time provided.

To answer the questions included in a case study, you will need to reference information that is provided in the case study. Case studies might contain exhibits and other resources that provide more information about the scenario that is described in the case study. Each question is independent of the other questions in this case study.

At the end of this case study, a review screen will appear. This screen allows you to review your answers and to make changes before you move to the next section of the exam. After you begin a new section, you cannot return to this section.

To start the case study

To display the first question in this case study, click the Next button. Use the buttons in the left pane to explore the content of the case study before you answer the questions. Clicking these buttons displays information such as business requirements, existing environment, and problem statements. If the case study has an All

Information tab, note that the information displayed is identical to the information displayed on the subsequent tabs. When you are ready to answer a question, click the Question button to return to the question.

Background

Contoso Pharmaceuticals manufactures and sells drugs to retail and wholesale pharmacies, hospitals, and research facilities.

The company plans to implement Dynamics 365 Sales and Dynamics 365 Finance.

Current environment

Contoso maintains a Microsoft Excel workbook that lists all drugs they supply.

Pharmacies submit order requests through email.

All information at customer locations is handwritten by customer representatives.

Contoso uses Cerner, which is a medical industry application that uses a proprietary database.

Some accounts are referrals from other pharmacies.

Every pharmacy has its own Dynamics 365 Sales instance.

Requirements

General

Contoso wants to ensure that there is minimal custom code and custom connectors in the system.

Accounts

Ensure that the names of the pharmacies are synced between the accounting and the customer management systems.

Account numbers should be entered automatically into the pharmaceutical system that is in a Cerner database and kept in sync.

When the account is entered into the system, extra fields must appear if the referral customer box is selected. If the box is not selected, the extra fields must not appear.

A trigger must be created that changes the Priority field to 1 in the Account record 10 days after an Account record is created.

A field named Priority_Trigger must be created to trigger the Priority field.

A field named Facility type field must be added in order to select whether a customer is a retail pharmacy, wholesale pharmacy, research facility, or hospital.

Users

UserA must be able to create and publish Power Apps apps.

UserB must be the owner of all the systems and be able to provide permissions and create all new environments.

UserC must be able to create apps connected to the systems and update the security roles and entities.

Pharmacy representatives must only be able to run the apps and access their own records.

Access to the accounting Power Apps app must be restricted to accounting team members.

End users must have minimum access to the required systems.

Only supervisors must be able to view phone numbers in the Accounts form.

Developers must be able to create new apps for all users.

Sales users must only have access to their own records.

Reporting

Pharmacy orders must be displayed in four graphs as follows:

Annual revenue over $100,000
Annual revenues under $100,000
Research facilities
Hospitals

The graphs must be interactive, and users must be able to drill down on any dimension.

Customizations

Ensure that notifications are sent to the sales team when a lead is added by using Slack.

Ensure that leads have a review stage added to the sales process.

Doctors must be manually added to a custom entity named Doctor if the doctor is not listed.

Refill dates for customer prescriptions should be automatically determined and a notification should be sent to the customer.

Fields for the doctor's name and phone number must be displayed in the customer record.

The doctor entered on the customer's record must be validated against doctors that exist in the system.

The new solution will be sold to other pharmacies for use. The application must not allow changes to be made.

The solution must be error free so that when it is installed in other environments it does not cause issues.

A custom mobile app must be created to allow salespeople to add or search by pharmacy name. Pharmacy records must be uniquely identified by pharmacy name, address, contact name, and phone number.

When a pharmacy is added by using the mobile app, the phone number must be validated to be all digits.

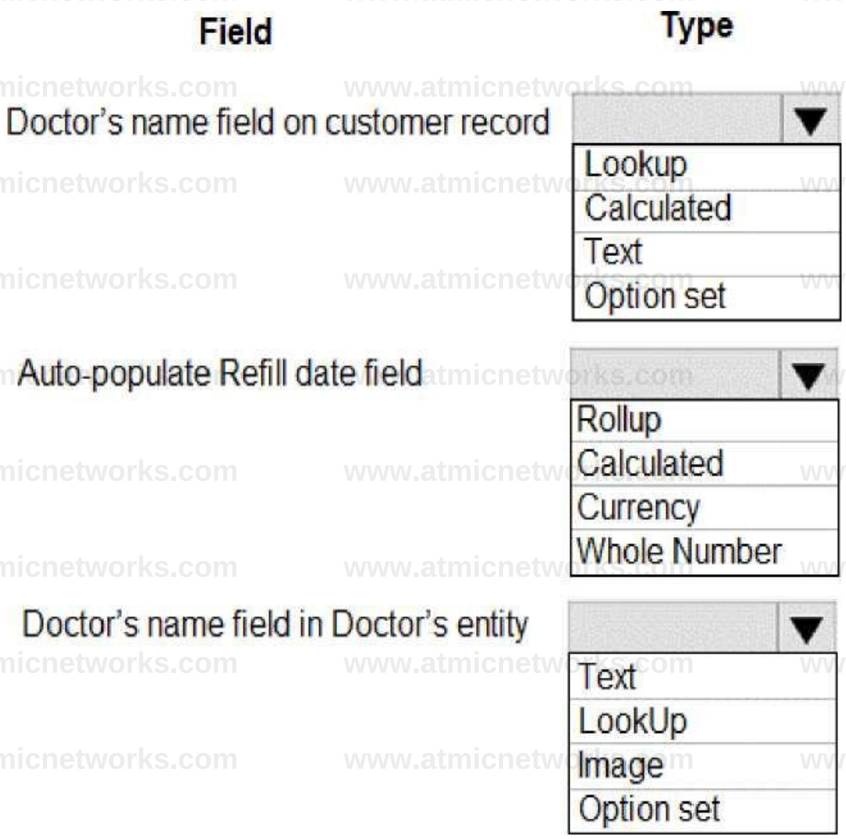
Question: 29

HOTSPOT

You need to configure the fields with the appropriate type.

Which type should you use? To answer, select the appropriate options in the answer area.

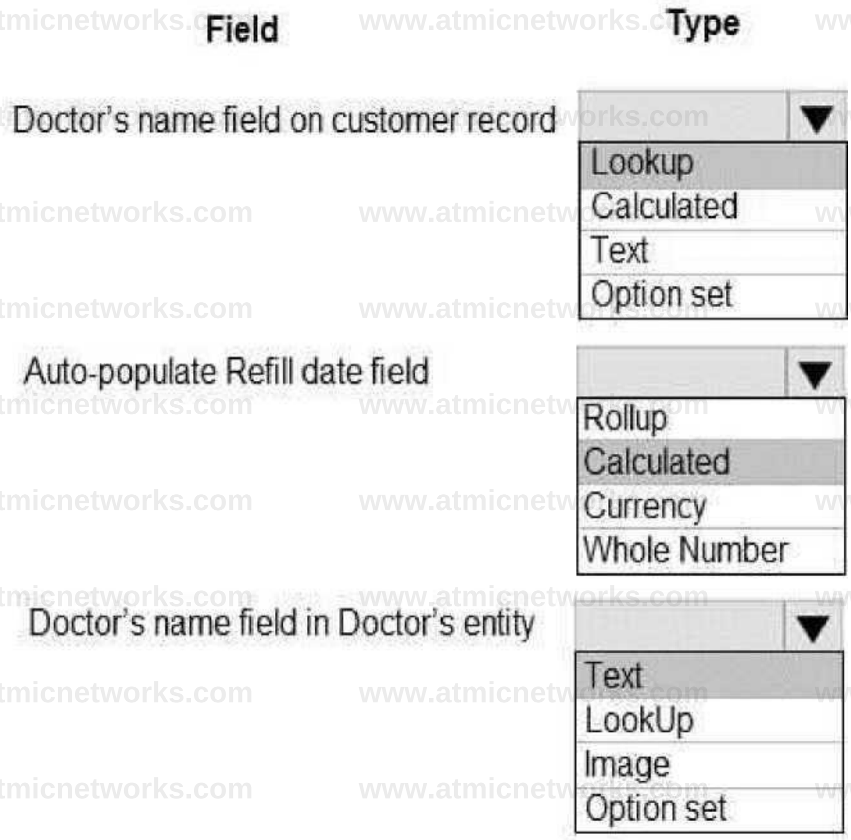
NOTE: Each correct selection is worth one point.



Field	Type
Doctor's name field on customer record	Lookup Calculated Text Option set
Auto-populate Refill date field	Rollup Calculated Currency Whole Number
Doctor's name field in Doctor's entity	Text LookUp Image Option set

Answer:

Explanation:



Field	Type
Doctor's name field on customer record	**Lookup** Calculated Text Option set
Auto-populate Refill date field	Rollup **Calculated** Currency Whole Number
Doctor's name field in Doctor's entity	**Text** LookUp Image Option set

Box 1: Lookup

Fields for the doctor’s name and phone number must be displayed in the customer record.

Lookup: A field that allows setting a reference to a single record of a specific type of entity.

Box 2: Calculated

Refill dates for customer prescriptions should be automatically determined and a notification should be sent to the customer.

Calculated field: Contains calculations that use fields from the current entity or related parent entities.

Box 3: Text

Field data type: Single Line of Text:

This field can contain up to 4,000 text characters. You can set the maximum length to be less than this. This field has several format options that will change the presentation of the text. These options are Email, Text, Text Area, URL, Ticker Symbol, and Phone.

Reference:

https://docs.microsoft.com/en-us/dynamics365/customerengagement/on-premises/customize/types-of-fields

Question: 30

You need to ensure that users can create the required charts.

Which two actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

A. Create a quick view form to show the Accounts entity.
B. Configure filter fields in the Annual revenue field.
C. Add the Facility field to the account form.
D. Delete the Annual revenue field from the account form.
E. Create a view with annual revenue sorted lowest value to highest value.

Answer: BC

Explanation:

Pharmacy orders must be displayed in four graphs as follows:

Annual revenue over $100,000
Annual revenues under $100,000
Research facilities
Hospitals

The graphs must be interactive, and users must be able to drill down on any dimension.

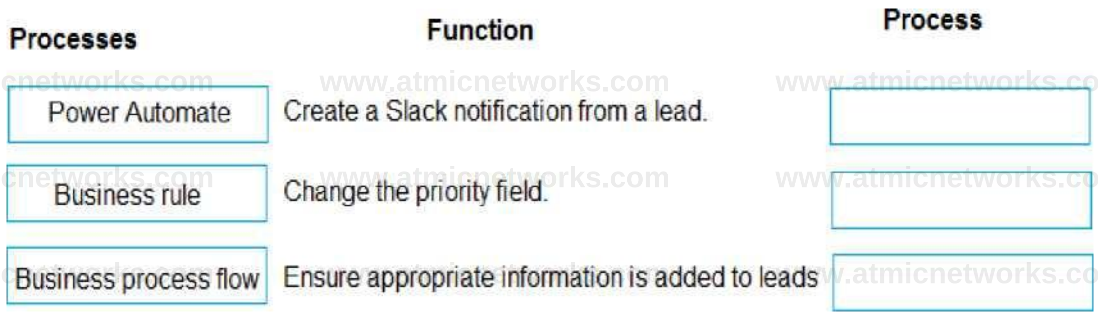
Question: 31

DRAG DROP

You need to select a process to create each function.

Which process should you use? To answer, drag the appropriate processes to the correct functions. Each process may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.



Processes	Function	Process
Power Automate	Create a Slack notification from a lead.	
Business rule	Change the priority field.	
Business process flow	Ensure appropriate information is added to leads	

Answer:

Explanation:

Function	Process
Create a Slack notification from a lead.	Power Automate
Change the priority field.	Business process flow
Ensure appropriate information is added to leads	Business rule

Box 1: Power Automate
Ensure that notifications are sent to the sales team when a lead is added by using Slack

Power Automate is a service that helps you create automated workflows between your favorite apps and services to synchronize files, get notifications, collect data, and more.

Box 2: Business rule

A trigger must be created that changes the Priority field to 1 in the Account record 10 days after an account record is created.
A field named Priority_Trigger must be created to trigger the Priority field.

Business rules provide a simple interface to implement and maintain fast-changing and commonly used rules.

Box 3: Business process flow
Ensure that leads have a review stage added to the sales process.

Use business process flows to define a set of steps for people to follow to take them to a desired outcome. These steps provide a visual indicator that tells people where they are in the business process.

Reference:
https://docs.microsoft.com/en-us/power-automate/

https://docs.microsoft.com/en-us/dynamics365/customerengagement/on- premises/customize/create-business-rules-recommendations-apply-logic-form

https://docs.microsoft.com/en-us/power-automate/business-process-flows-overview

Question: 32

You need to create the model-driven app for referral.

Which function should you add?

A. Flow
B. Workflow
C. Business rule
D. Chart
E. Subgrid

Answer: C

Explanation:

Scenario: When the account is entered into the system, extra fields must appear if the referral customer box is selected. If the box is not selected, the extra fields must not appear.

Question: 33

You need to create an application to deploy to other pharmacies. What should you do?

A. Navigate to Customize the System and export everything to a managed solution.
B. Recreate customizations in a new environment.
C. Export the solution as a managed solution.
D. Write a Web API to move customizations.

Answer: A

Explanation:

Answer: D

Explanation:

Question: 34

You need to configure that the mobile app meets the requirements for phone entries.

Which expression should you use?

A. PlainText
B. IsMatch
C. IsType
D. IsNumeric

Answer: D

Explanation:

When a pharmacy is added by using the mobile app, the phone number must be validated to be all digits.

Note: The IsNumeric function tests whether a value is numeric. Other kinds of values include Boolean, string, table, and record.

The return value is a Boolean true or false.

Reference:
https://docs.microsoft.com/en-us/powerapps/maker/canvas-apps/functions/function-isnumeric

Question: 35

You need to configure the trigger for account records.

Which expression should you use?

A. ADDWEEKS(1, CreatedOn)
B. ADDDAYS(10, CreateOn)
C. SUBTRACTDAYS(10, Now())
D. DIFFINDAYS(CreatedOn, now())
E. DIFFINWEEKS(now, 1)

Answer: D

Explanation:

Scenario: A trigger must be created that changes the Priority field to 1 in the Account record 10 days after an Account record is created.

DIFFINDAYS (date and time, date and time): Returns the difference in days between two Date and Time fields. If both dates and times fall on the same day, the difference is zero.

Note: Whenever we talk about history, the bone of contention are the below four fields: CreatedOn
ModifiedOn
CreatedBy
ModifiedBy

Reference:
https://docs.microsoft.com/en-us/dynamics365/customerengagement/on-premises/customize/define-calculated-fields

Question: 36

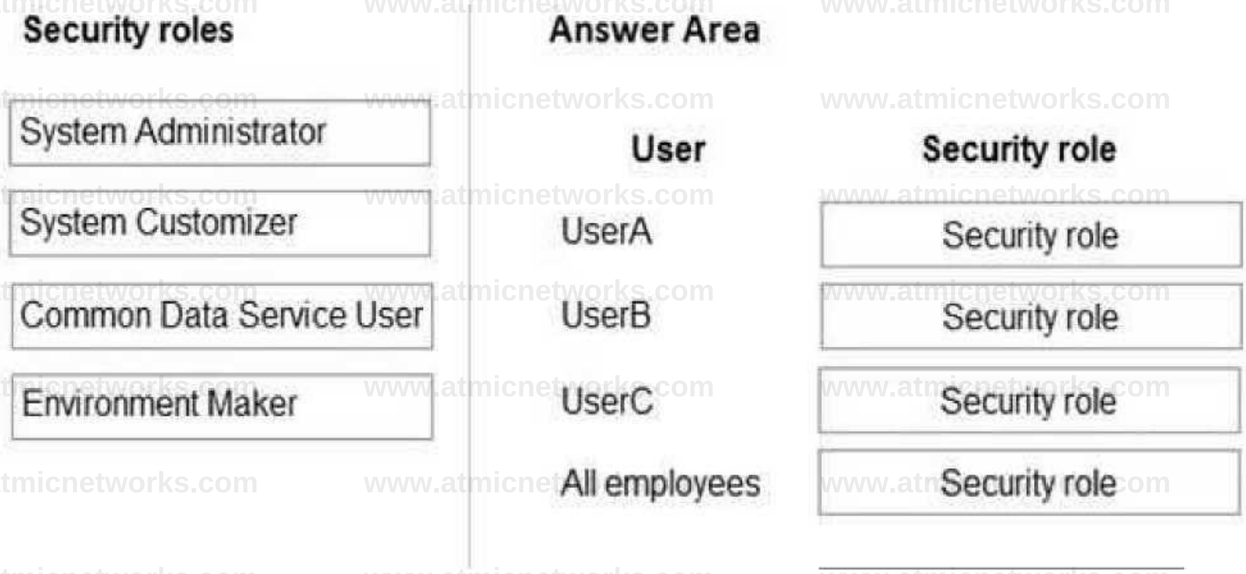
DRAG DROP

You need to assign the minimum environment security role to the appropriate users.

Which security roles should you use? To answer, drag the appropriate security roles to the correct

users. Each security role may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.



Security roles

- System Administrator
- System Customizer
- Common Data Service User
- Environment Maker

Answer Area

User	Security role
UserA	Security role
UserB	Security role
UserC	Security role
All employees	Security role

Answer:

Explanation:

User	Security role
UserA	Common Data Service User
UserB	Environment Maker
UserC	System Administrator
All employees	System Customizer

Box 1: Common Data Service User

UserA must be able to create and publish PowerApps apps.

Common Data Service directly against your core business data already used within Dynamics 365 without the need for integration.

Build Apps against your Dynamics 365 Data

Manage reusable Business logic and rules

Reusable skills across Dynamics 365 and Power Apps

Box 2: Environment Maker

UserB must be the owner of all the systems and be able to provide permissions and create all new environments.

The Environment Maker role can create resources within an environment including apps, connections, custom connectors, gateways, and flows using Power Automate.

Box 3: System Administrator

UserC must be able to create apps connected to the systems and update the security roles and entities.

System Administrator is the highest level role which encompasses all the privileges and has overriding rights. The System Administrator has the authority to allow and remove access of other users and define the extent of their rights. For example, the System Administrator and the System Customizer are given access to custom entities by default while all other users need to be given access. This is the only role that cannot be edited.

Box 4: System Customizer

End users must have minimum access to the required systems.

Sales users must only have access to their own records.

The System Customizer role is similar to the System Administrator role which enables non-system administrators to customize Dynamics 365. A Customizer is a user who customizes entities, attributes and relationships.

Reference:

https://docs.microsoft.com/en-us/power-platform/admin/environments-overview

https://crmbook.powerobjects.com/system-administration/business-administration/security-roles/

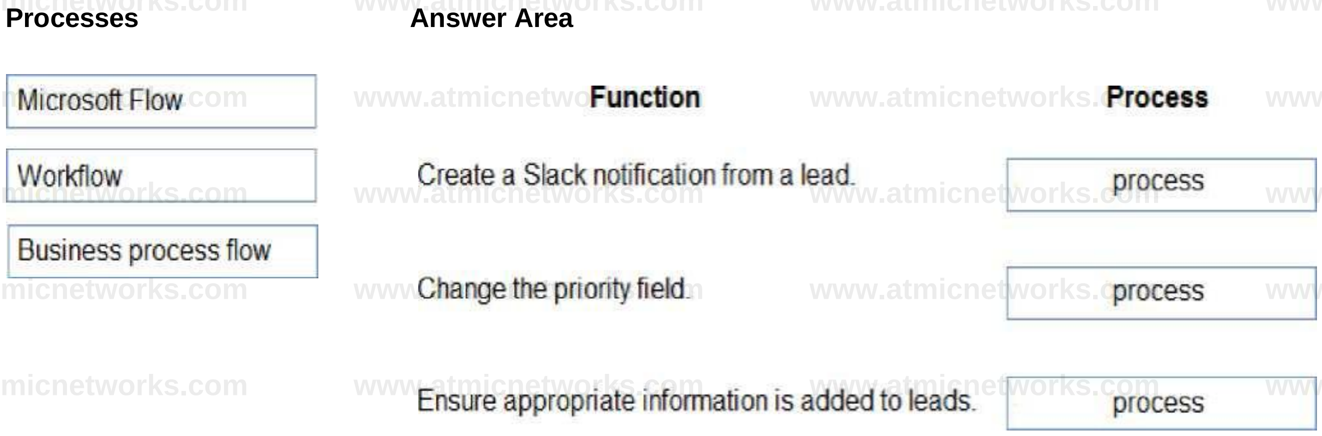
Question: 37

DRAG DROP

You need to select a process to create each function.

Which process should you use? To answer, drag the appropriate processes to the correct functions. Each process may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.



Processes

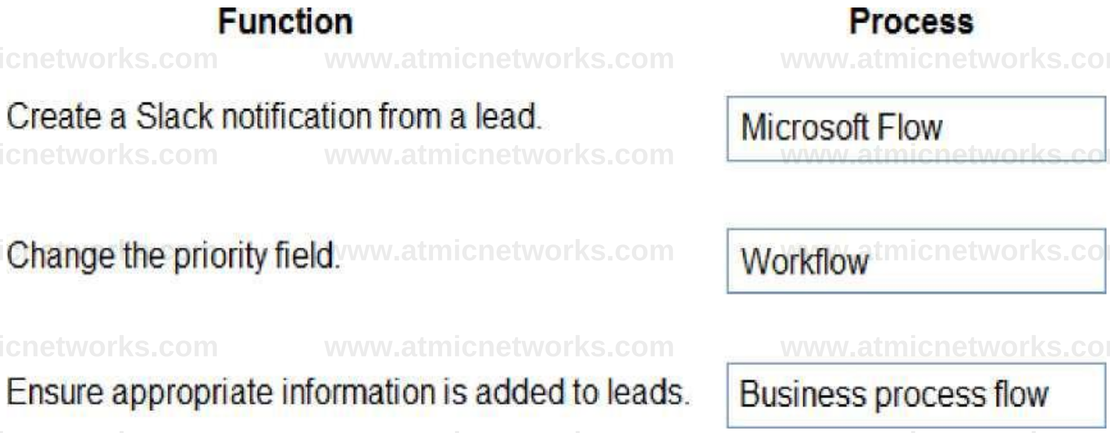
- Microsoft Flow
- Workflow
- Business process flow

Answer Area

Function	**Process**
Create a Slack notification from a lead.	process
Change the priority field.	process
Ensure appropriate information is added to leads.	process

Answer:

Explanation:



Function	**Process**
Create a Slack notification from a lead.	Microsoft Flow
Change the priority field.	Workflow
Ensure appropriate information is added to leads.	Business process flow

Box 1: Microsoft flow

Using Microsoft Flow, you can automatically post to Slack when an event happens in Dynamics 365, enabling similar functionality that is available with the Microsoft Yammer integration with third-party collaboration tools.

Box 2: Workflow

Box 3: Business process flow

A business process flow is composed of Stages, and within each stage there are Steps to complete which are fields. In the business process flow heading, a user can see which stage they are at in the process, and which steps they need to complete before they proceed in the process.

Business process flows enable you to require users to complete certain steps before completing the process and if needed you can also allow users to jump stages.

Reference:

https://us.hitachi-solutions.com/blog/dynamics-365-workflow-vs-microsoft-flow/

Question: 38

DRAG DROP

You need to assign the minimum environmental security role to the appropriate users.

Which security roles should you use? To answer, drag the appropriate security roles to the correct users. Each security role may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Security roles

- System Administrator
- System Customizer
- Common Data Service User
- Environment Maker

Answer Area

User	Security role
UserA	Security role
UserB	Security role
User C	Security role
All employees	Security role

Answer:

Explanation:

User	Security role
UserA	Environment Maker
UserB	System Administrator
User C	System Customizer
All employees	Common Data Service User

Box 1: Environment Maker

UserA must be able to create and publish Power Apps apps.

The Environment Maker role can create resources within an environment including apps, connections, custom connectors, gateways, and flows using Power Automate.

Box 2: System Administrator

UserB must be the owner of all the systems and be able to provide permissions and create all new environments.

The System Administrator has full permission to customize the system. Can view all data in the system.

Box 3: System Customizer

UserC must be able to create apps connected to the systems and update the security roles and entities.

The System Customizer has full permission to customize the system. Can only view rows for system tables that they create.

The difference between the System Administrator and System Customizer security roles is that a system administrator has read privileges on most rows in the system and can see everything. Assign the System Customizer role to someone who needs to perform customization tasks but shouldn't see any data in the system tables.

Box 4: Common Data Service User

To stay consistent with our product rebranding effort, the security role Common Data Service User is being changed to Basic User.

The Basic User security role primarily contains Basic privileges for core entities where the user can write, update, and delete records that they created or owned.

Reference:

https://docs.microsoft.com/en-us/power-platform/admin/environments-overview
https://docs.microsoft.com/en-us/powerapps/maker/model-driven-apps/privileges-required- customization -system-administrator-and-system-customizer-security-roles
https://docs.microsoft.com/en-us/powerapps/maker/model-driven-apps/privileges-required-customization#system-administrator-and-system-customizer-security-roles
https://docs.microsoft.com/en-us/power-platform-release-plan/2020wave2/data-platform/common-data-service-user-security-role-renamed-basic-user
https://docs.microsoft.com/en-us/power-platform-release-plan/2020wave2/data-platform/common-data-service-user-security-role-renamed-basic-user

Question: 39

You need to create an application to deploy to other pharmacies.

What should you do?

A. Recreate customizations in a new environment.
B. Create a customer connector to connect the pharmacies' systems to the company's systems.
C. Export the solution as a managed solution.
D. Write a Web API to move customizations.

Answer: C

Explanation:

When you export a managed solution, it contains all the changes that have been applied for that solution into a file that you can then import into a different Dataverse environment.

Reference:
https://docs.microsoft.com/en-us/powerapps/developer/data-platform/introduction-solutions

Question: 40

DRAG DROP

You need to set up security to meet the requirements.

How should you configure security? To answer, drag the appropriate security mechanisms to the correct users. Each security mechanism may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Security mechanisms

- Field level security
- Security roles
- Environment security
- Team security

Answer Area

User	Security mechanism
supervisors	Security mechanism
salespeople	Security mechanism
developers	Security mechanism

Answer:

Explanation:

Box 1: Field level security
Only supervisors must be able to view phone numbers in the Accounts form.

You use field security tables to apply field-level security, which restricts field access to specified users and teams. The scope of field-level security is global, which means that it applies to all records within the organization, regardless of the business unit hierarchical level to which the record or the user belongs. Field security works in all Microsoft Dataverse clients, including the Web client, Dynamics 365 for Outlook, and Dynamics. It applies to all components, such as the Dataverse web services, reports, search, ofline, filtered views, auditing, and duplicate detection.

Box 2: Team Security
Sales users must only have access to their own records.

Owner team: An owner team owns records and has security roles assigned to the team. A user's privileges can come from their individual security roles, those of the teams that they're part of or the ones they inherit. A team has full access rights on the records that the team owns. Team members are added manually to the owner team.

Box 3: Environment security

Developers must be able to create new apps for all users.

Environment maker: Can create new resources associated with an environment, including apps, connections, custom APIs, gateways, and flows using Microsoft Power Automate. However, this role doesn't have any privileges to access data within an environment.

Reference:
https://docs.microsoft.com/en-us/powerapps/developer/data-platform/field-security-entities
https://docs.microsoft.com/en-us/power-platform/admin/database-security https://docs.microsoft.com/en-us/power-platform/admin/database-security
https://docs.microsoft.com/en-us/power-platform/admin/manage-teams - types-of-teams

https://docs.microsoft.com/en-us/power-platform/admin/manage-teams#types-of-teams

Question: 41

You need to configure the trigger for the priority field in the Account entity.

Which expression should you use?

A. DIFFINWEEKS(now,1)
B. SUBTRACTDAYS(10, Now())
C. ADDWEEKS(1, CreatedOn)
D. DIFFINDAYS(Createdon, now())
E. ADDDAYS(10, CreatedOn)

Answer: C

Explanation:

A trigger must be created that changes the Priority field to 1 in the Account record 10 days after an Account record is created.

Note:

Date.AddWeeks returns the date, datetime, or datetimezone result from adding numberOfWeeks weeks to the datetime value dateTime.

CreatedOn gets the value to store in the history table indicating when this entry was created.

Reference:
https://docs.microsoft.com/en-us/powerquery-m/date-addweeks
https://docs.microsoft.com/en-us/dotnet/api/system.data.entity.migrations.model.inserthistoryoperation.createdon?view=entity-framework-4.3.1
https://docs.microsoft.com/en-

us/dotnet/api/system.data.entity.migrations.model.inserthistoryoperation.createdon?view=entity-framework-4.3.1

Question: 42

You need to create the model driven app for accounts designated as referrals.

What should you add to the app?

A. Workflow
B. Subgrid
C. Business rule
D. Flow
E. Chart

Answer: C

Explanation:

When the account is entered into the system, extra fields must appear if the referral customer box is selected. If the box is not selected, the extra fields must not appear.

Note: By combining conditions and actions, you can do any of the following with business rules:

Set column values
Clear column values
Set column requirement levels
Show or hide columns
Enable or disable columns
Validate data and show error messages
Create business recommendations based on business intelligence.

Reference:
https://docs.microsoft.com/en-us/powerapps/maker/data-platform/data-platform-create-business- rule

Question: 43

You need to create the customer mobile app.

Which type of function expression should you use?

A. Filter
B. Find
C. LookUp

Answer: C

Explanation:

The LookUp function finds the first record in a table that satisfies a formula. Use LookUp to find a single record that matches one or more criteria.

Reference:
https://docs.microsoft.com/en-us/powerapps/maker/canvas-apps/functions/function-filter-lookup

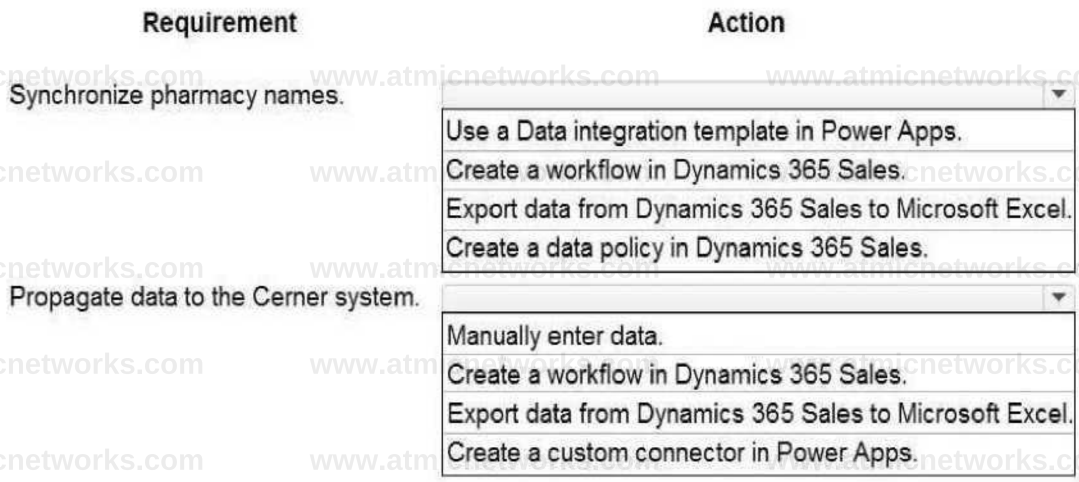
Question: 44

HOTSPOT

You need to synchronize pharmacy names and ensure that Dynamics 365 Sales data propagates correctly to the Cerner system.

What should you do? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.



Requirement	Action
Synchronize pharmacy names.	Use a Data integration template in Power Apps. Create a workflow in Dynamics 365 Sales. Export data from Dynamics 365 Sales to Microsoft Excel. Create a data policy in Dynamics 365 Sales.
Propagate data to the Cerner system.	Manually enter data. Create a workflow in Dynamics 365 Sales. Export data from Dynamics 365 Sales to Microsoft Excel. Create a custom connector in Power Apps.

Answer:

Explanation:

Box 1: Use a Data Integration template in Power Apps.
Ensure that the names of the pharmacies are synced between the accounting and the customer management systems.

Note: The Data Integrator (for Admins) is a point-to-point integration service used to integrate data into Dataverse. It supports integrating data between Finance and Operations apps and Dataverse. It also supports integrating data into Finance and Operations apps and Dynamics 365 Sales.
The Data Integrator (for Admins) consists of the Data Integration platform, out-of-the-box templates provided by our application teams (for example, Finance and Operations apps and Dynamics 365 Sales) and custom templates created by our customers and partners.

Box 2: Create a workflow in Dynamics 365 Sales.
Account numbers should be entered automatically into the pharmaceutical system that is in a Cerner database and kept in sync.

Note: Start When: Use the options in this section to specify when a workflow should start automatically. You can configure a real-time workflow to be run before certain events. This is a very powerful capability because

the workflow can stop the action before it occurs. The options are: Record is created
Record status changes
Record is assigned
Record fields change
Record is deleted

Reference:
https://docs.microsoft.com/en-us/power-platform/admin/data-integrator

Topic 4, Proseware, Inc

Background

Proseware, Inc. is an industry leading software company with several thousand employees. The company has had some trouble recruiting talented employees. Top-level candidates interview with

the company but go on to work for competitors.

Feedback from candidates show that some offers were not accepted because the interview scheduling process was unpleasant. The company does not have a system to keep track of the candidates that were not selected.

Current environment

The recruiting process starts when an individual applies for a position on the company website. The individual may have found the position on their own, they may have been officially referred by an employee, or in some cases were contacted directly by a hiring manager and encouraged to apply. Recruiters schedule an interview with a hiring manager and interviews with two senior team members. Each interview results in feedback about the candidate and a recommendation whether to hire or not.

The recruiting team manages all information by using a model-driven application.

The company has the following Microsoft Dataverse tables and columns:

- JobPosting

o Hiring Manager - lookup to SystemUser

o Recruiter Assigned - lookup to SystemUser

- Contact (Job Applicant) o Contact identifier o First name

o Last name

o Time-Zone Offset

o Person of Interest - Yes/No (default)

- Application proapplication

o Contact identifier, Contact - lookup to Contact

o Job Posting - lookup to JobPosting

o pro_recruiterassignedid

- Interview

o Application - lookup to Application o Job Posting - lookup to JobPosting o Recommend - Choice (Yes (0), No (1), and null (default) are the available values)

o Person of Interest - Yes/No, No is the de'aul: value

- Referral

o Contact - lookup to Contact o Referrer - lookup to SystemUser o Job Posting - lookup to JobPosting

- SystemUser

o Manger - lookup to SystemUser o Time-Zone Offset

- Recruiter

o Recruiter identifier o Recruiter name

Applications

There may be multiple applications associated with each job posting. Applications are linked to an employee record if an employee referred the applicant for a position. The same individual can be an applicant for multiple job postings.

Interviews

Each interview is performed by an employee and is related to a single application.

The interview scheduling process may force potential candidates to accept interviews at unusual times with the senior team members due to time-zone differences.

Interview scheduling

The system must provide recruiters with a list of team members and their time-zone information.

You must create a Microsoft Power Apps Component Framework (PCF) control for the Job Application form to display a list of senior team members who report directly to a hiring manager.

- The control must display the current time in each team members local time.
- The control must be bound so that it minimizes the amount of code that must be written.
- You must display the list of team members and sort the list to show team members who reside in time zones closest to the applicant's time zone first.

You must develop a second PCF control that displays the time-zone name and current time on the Job Application form. You must display the data in the candidate's local time.

Historical information tracking

You must create a process to identify individuals as a person of interest that the company should consider hiring. You must assign each individual a score based on their past interactions.

- You must be able to determine the following information about a candidate:
  - o The number of interviews in the past two years and whether team members provided recommendations
  - o The number of hiring manager referrals and employee referrals in the past two years
  - o Whether the individual has any of the 12 designations or certifications that the company considers significant
- Only a single referral can be made per job application. The system must be able to support multiple referrals for a candidate.
- The system must track referrals even if an application is not completed.

Historical information scoring

The automated process must run weekly to assess all candidates. The process must also run automatically when historical information is updated. You must be able to perform scoring by selecting a command button on the contact form.

- This new command button must only be visible to employees who belong to a security role assigned named Recruiter. The command button must not be visible to anyone unless the contact form is in Update mode.
- A person of interest is defined as having a score of 15 or more based on the following historical information criteria:
  - o Each interview with a recommendation adds two to the score.
  - o Each interview without a recommendation subtracts two from the score.
  - o Each employee or manager referral adds one to the score.
  - o Each designation or certification adds one to the score.
- All scoring elements must be recalculated when changes occur. You must assign the score to the Person of Interest field.
- Values representing totals or scores must be stored in their own numeric fields.
- Plug-ins must be used to keep the Person of Interest field on active interview records associated with

the Contact.

- Plug-ins registered on the update of the Person of Interest field must send an email notification when the candidate named in the email is a person of interest. Recruiters must receive the message when the field is updated on the Contact record.
- Interviewers must get an email notification when the Person of Interest field on the interview record is successfully updated.

Design guidelines

The following design guidelines must be followed:

- Schema changes must be made using the method requiring the least amount of storage to meet the requirement.
- Out-of-the-box functionality must be used when possible.
- Any code required to calculate scores must be able to be run from a single point.
- Email notifications need to be kept to a minimum.

Issues

- Recruiters report that the command button to score a candidate is not working. You debug the code and observe that the context input parameter is null.
- The system does not support associating designations and certifications with candidates.
- The value for the field used by the PCF control to display local time is saved to Microsoft Dataverse each time an active application record is opened.
- Interviewers report that they do not receive email notifications when interview records are created for an existing person of interest.

Question: 45

HOTSPOT

You need to implement ribbon display rules to control availability for the scoring command button.

Which rule types should you use? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

Condition	Rule type
Configure button visibility for recruiters.	CustomRule
Configure visibility for the button based on the mode for the form.	FormStateRule

Answer:

Explanation:

Answer Area

Condition	Rule type
Configure button visibility for recruiters.	CustomRuie
Configure visibility for the button based on the mode for the form	FgrmSutefiule

Question: 46

You need to resolve the issue with the new command button. What should you do?

A. Pass the value PrimaryControl to the function in the action definition.

B. Pass ExecutionContext To The function in the action definition.

C. Pass the value SclcctcdControl to the function in the action definition.

D. Select the Pass execution context as first parameter option on the event registration form.

Answer: D

Explanation:

Question: 47

You need to prevent the field used by the PCF control from updating the record.
What are two possible ways to achieve the goal? Each correct answer presents a complete solution.
NOTE: Each correct selection is worth one point.

A. Disable existing event handlers on the field.

B. Call the setsubnitMode('never') function on the field.

C. Create a business rule to clear the field value.

D. Make the field read-only.

Answer: B, D

Explanation:

Question: 48

You need to determine the cause for the issue reported by the interviewers. What is the root cause of the issue?

A. The plug-in used to synchronize the Person of Interest field from Contact to Interview was not triggered.

B. There was an error in the event pipeline and the entire transaction was rolled back.

C. There is no plug-in registered to run when an interview record is created.

Answer: C

Explanation:

Question: 49

You need to configure the PCF control to display team members for interview scheduling. Which two inputs should you use? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

A. identifier for the job candidate

B. identifier for the job posting

C. time-zone offset for the hiring manager

D. time-zone offset for the job candidate

E. identifier for the hiring manager

Answer: A, D

Explanation:

Question: 50

HOTSPOT

You develop the following code for the plug-in that sends email notifications to recruiters.

```
    var target * (Entity)context.InputPara»ieters[* target-];
    var contact • service.Retrieveftarget. Logical!! ane, target.Id, re.. Colu»nSet('fulinane"));
    vw fetchXnl * J"<fetch*
                                    (entity naee*'p«*o_appXicat ion's cattribute nane*'pro_recruiterassignedid' /> (filter type*'and'>
                                        (condition attribute*'statecode' operator*'eq' value*'®" />
                                        (condition attribute*'pro_contactid' operator*'eq' value*" ♦ target.Id ♦ g"" /> (/filter> (/entity*
                                  </fetch*";
    var fetchHecruiters • rev FetchExpression(fetchXal);
     ar recruiters = service.RetrievenultIpleffetcMtecruiters);
    foreach (var recruiter in recruiters.Entities)                                                                    Q
    {
      SendEsail(recruiter .Id, contact .CetAttributeValue<string>(*fuUnMe*));
```

For each of the following statements, select Yes f the statement is true. Otherwise, select No NOTE: Each correct select in worth one point.

Answer Area

Statements	Yes	No
You can use data from the contact's name without explicitly retrieving the value from the fullname column.	C	0
You can use the same plugin to send notifications to interviewers		C
Recruiters only receive a single email notification per applicant		

Answer:

Explanation:

Answer Area

Statements	Yes	No
You can use data from the contact's name without explicitly retrieving the value from the fullname column	C	#
You can use the same plug in to send notifications to interviewers.	0	$
Recruiters only receive a single email notification per applicant	•■	

Question: 51

HOTSPOT

You create the following Fetch XML query to determine the number of interviews where there are no recommendations for an applicant.

```
  <f«<h •<•''♦••*»•'tr"*'>
    •entity ^w*'p^s Interview's
       attribute nene**peopletervleaid* >11«>>'recMMotf^CMmt* •efre|Stcv,caunt' />
       <Hlt«c»
          • condition »ttribvte*'pro_recorwwi»d' eporatcro'aq* value*'!' /> c/fllters
       clink-entity «•«<■■ pre_applicatlOl^, *rw«'prc_»j:plic»ti»nld' tav'ptO.appllcatlonId' llnk-t/se«'inner' > clink-entity '»»•'contact'
       fron^'contactid' t«-'pre_cont>ctid' > •filters
                •condition attribute-'contact!#' cceretom'e^' velue-'lbJlseM-bdJe-ebll-aait-eeodJaSMM?' /> «/fliters
          </link-entity)
       </link-entity>
    •/entity)
  •/fetch)
```

For each of the following statements, select yes if the statements is true, Otherwise select No.

NOTE: Each correct selectin is worth one pint.

Answer Area

Statements	Yes No

The Query meets the requirements for retrieving the court of interviews without recommendatiorw.	. C	
You can modify the query to return counts of interviews with and without recommendations.		C
The query allows scheduled interviews for job applications when there are no recommendations for the job applicant	O C	

Answer:

Explanation:

Answer Area

Statements	Vet	No
The query meets the requirements for retrieving the count of interviews 0 without recommendations		•
You can modify the query to return counts of interviews with and without recommendations	C	•■
The query allows scheduled interviews for job applications when there are no recommendations for the IOO aoolicant	0	•'

Topic 5, Northwind Traders

Case study

Background

Northwind Traders uses Microsoft Dynamics 365 Sales to manage its sales process. To better understand its customers, Northwind Traders invests in a team of researchers who gather data from multiple sources. The company stores the data it collects in a Microsoft Azure SQL Database. The company plans to use the data to enrich account records and make the sales team more effective. Environment

- The company has three Microsoft Power Platform environments with Dynamics 365 Sales installed. The environments are named development, test, and production.
- Each environment has an application user that can be used for integrations.
- The company must use solutions to perform all customization and configuration deployment.

Data

- Researchers are responsible for creating account records.
- Researchers have permissions on the Account table to create records, read all records, and update records they own.
- A synchronous plug-in runs when an account record is created and could reassign the record to a different user.
- Users must access data as themselves to enforce security and audit changes.
- A column named new_dataid is added to the Account table. The column uniquely identifies which data it should receive.
- Researchers have researched only the top 20 percent of account records.

Web API

- The company creates an Azure Function to run a RESTful .NET Web API.

o Data can be retrieved by placing a GET request to the URL https://dataservice-tENVIRONMENTNAIvlEl.azurewebsites.net/enrich/IDATAID].

- [ENVIRONMENTNAME] is the name of the Microsoft Power Platform environment that requests the data.
- [DATAID] is the new.dataid column in the Account table.

o The Web API response will return a 200 response plus data if the Datald is found. Otherwise, a 404 response is returned.

- Developers plan to create a custom connector from the Web API to make it accessible from Microsoft Power Platform.

Custom connector

- The Web API definition used to create The custom connector must be generated based on a low- code technology.
- The URL used by the custom connector must incorporate the current environment name without hardcoding values.
- Errors generated by the custom connector must not cause downstream processes to fail.
- Text descriptions and field placeholder text that describe the use of the custom connector must appear for non-developers.

Process

- All account records must be updated with data from the Web API once automatically.
- Only account records that contain a Datald should be updated by the Web API.
- Researchers must create Power Automate flows to specify data analysis priority.
- The researchers require a process that repurposes a set of identical steps of parameterized Microsoft Dataverse queries from a Power Automate flow for use in other flows that have different parameters. The researchers want to avoid recreating the steps manually each time they create a flow to save time and avoid errors.

Issues

- A tester attempts to connect to the production instance of the Web API with a Datald that should return data. The tester receives an error stating that the remote name could not be resolved.
- A missing component causes an error to occur when importing the solution that contains the Power Automate flow to update account records in a test environment.

Question: 52

You need to ensure data returned from the Web API corresponds to the correct environment What should you use?

A. system settings
B. plug-in secure configurations
C. records in a new configuration table
D. environment variables

Explanation:

Answer: D

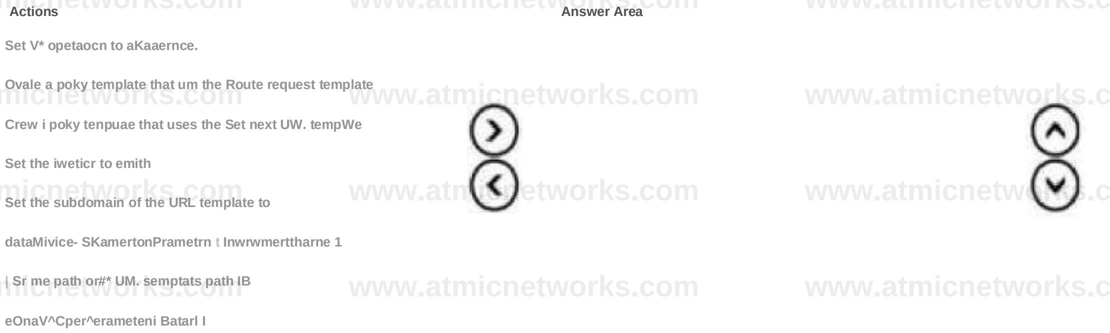
Question: 53

DRAG DROP

You need to configure the custom connector to incorporate the environment name and Datald in the Web API URL

Which four actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

NOTE: More than one order of answer choices is correct. You will receive credit for any of the correct orders you select.



Actions

Set V* opetaocn to aKaaernce.

Ovale a poky template that um the Route request template

Crew i poky tenpuae that uses the Set next UW. tempWe

Set the iweticr to emith

Set the subdomain of the URL template to

dataMivice- SKamertonPrametrn t Inwrwmerttharne 1

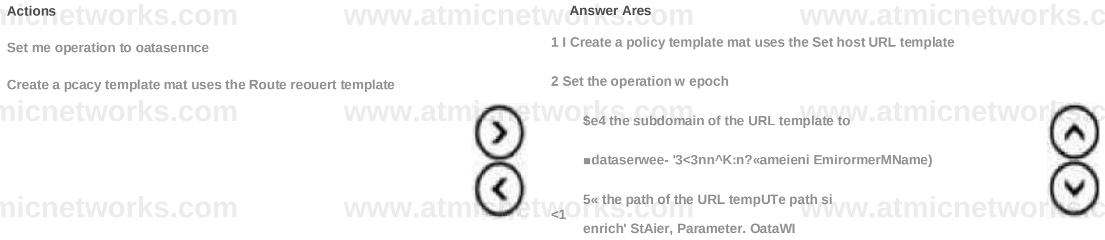
| Sr me path or#* UM. semptats path IB

eOnaV^Cper^erameteni Batarl I

Answer Area

Answer:

Explanation:



Actions

Set me operation to oatasennce

Create a pcacy template mat uses the Route reouert template

Answer Ares

1 I Create a policy template mat uses the Set host URL template

2 Set the operation w epoch

$e4 the subdomain of the URL template to

■dataserwee- '3<3nn^K:n?«ameieni EmirormerMName)

<1 5« the path of the URL tempUTe path si

enrich' StAier, Parameter. OataWI

Question: 54

HOTSPOT

You need to configure the Web API and create the custom connector.

Which action should you perform for each step? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Create the custom connector. Import an OpenAPI file.

Import a solution.

Import an OpenAPI file

Import a PostMan collection.

Answer:

Explanation:

Answer Area

Step	Action
Configure the Web API.	Add an OpenAPI definition.
Create the custom connector.	I mport an OpenAPI file

Question: 55

You need to choose a technology to access the Web API. Which technology should you select?

A. Canvas app that uses the custom connector
B. Plug-in that contacts the Web API
C. Power Automate flow that uses the custom connector
D. Webhook that contacts the Web API

Answer: A

Explanation:

Question: 56

DRAG DROP

You need to configure a Power Automate flow to update account records by using the response from the Web API.

Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Mion* | **Answer Area**

Aad < condition dtp to Ural if me mettle «M num IM

Add • teminale step Hid set the status to MM

Add A Uetarerse update record step to update toe Deteverse Koxxtt recced

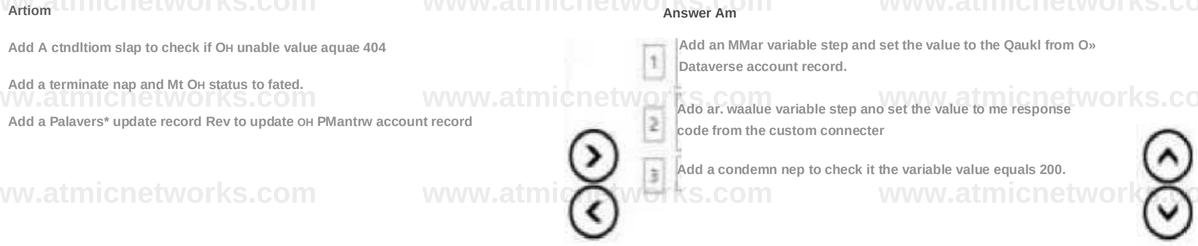
Add in eitnaus variable step and set die value to the OHM tram the Cutavene account record

Add in minette ranaWe nep an) set the value to the response code hen toe cKiom connector

Add a condrhcn step to cheer d the viniole vaAe equals 200

Answer:

Explanation:



Artiom

Add A ctndltiom slap to check if OH unable value aquae 404

Add a terminate nap and Mt OH status to fated.

Add a Palavers* update record Rev to update OH PMantrw account record

Answer Am

1 Add an MMar variable step and set the value to the Qaukl from O» Dataverse account record.

2 Ado ar. waalue variable step ano set the value to me response code from the custom connecter

3 Add a condemn nep to check it the variable value equals 200.

Question: 57

You need to configure the row filter on the Dataverse trigger. Which filter should you use?

A. not contains(new_dataid, '')

B. new_dataid eq null

C. Dataldnenull

D. new dataid ne null

Answer: C

Explanation:

Question: 58

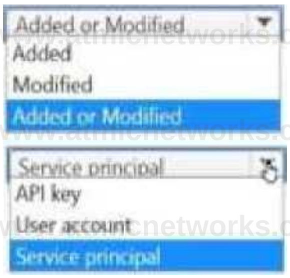
HOTSPOT

You need to configure a Dataverse trigger and action in a Power Automate flow so researchers can update account records with data from the Web API even if they do not have edit privileges on the record.

What should you configure for each trigger and action requirement? To answer select the appropriate options in the answer area. NOTE: Each correct selection is worth one point

Answer Area

Requirement	Configuration
When a row is added, modified, or deleted trigger with Change Type	Added or Modified
Update a row connection type	Service principal



Answer:

Explanation:

Answer Area

Requirement	Configuration
When a row s added, modified, or deleted trigger with Change Type	Added or Modified
Update a row connection type	Service principal

Question: 59

You need to determine which component to add to the solution to resolve the account records import error. Which component should you add?

A. connection

B. service endpoint

C. custom connector

D. Accoun table

Answer: B

Explanation:

Question: 60

HOTSPOT

You need to configure security for the Azure Function and custom connector.

Which security tool should you configure for each item? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

Item

Azure

Security

Function key

Anonymous

Effij^B

Azure Active Directory

Custom connector

OAuth 2.0

API Key

OAuth 2.0

Basic authentication

Function

Answer:

Explanation:

Answer Area

Item	**Security**
Azure Function	Function key
Custom connector	OAuth 2.0

Question: 61

You need to determine the cause of the 404 error when connecting to the production instance of the Web API.

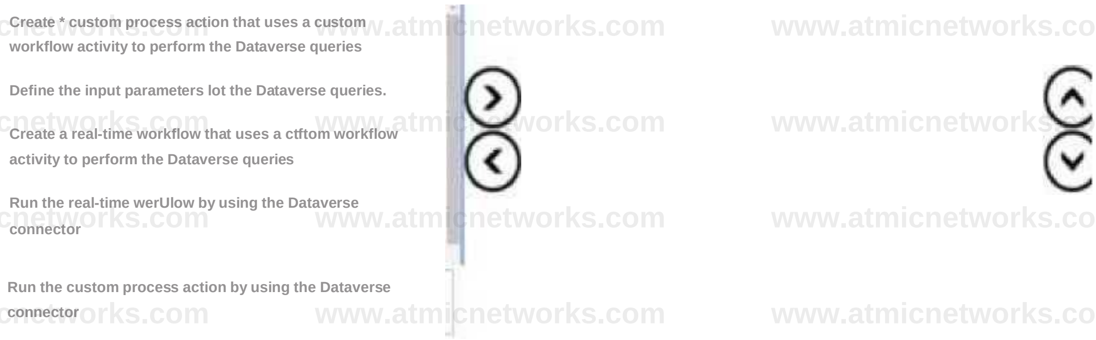
What do you identify?

A. The web service lacks data for the record.

B. An authentication error occurred.

C. The request timed-out.

D. The host name in the URL is missing a valid value.



Create * custom process action that uses a custom workflow activity to perform the Dataverse queries

Define the input parameters lot the Dataverse queries.

Create a real-time workflow that uses a ctftom workflow activity to perform the Dataverse queries

Run the real-time werUlow by using the Dataverse connector

Run the custom process action by using the Dataverse connector

Answer: B

Explanation:

Question: 62

DRAG DROP

You need to implement a reusable solution to encapsulate the parameterized Dataverse queries.

Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Actions

Answer Area

Answer:

Explanation:

Create a real-time workflow that uses a custom workflow activity to perform the Dataverse queries Run the real-time workflow by useing the Dataverse connector.

Run the custom process action by using the Dataverse connector.

Topic 6, City Power & Light

Background

City Power & Light is an energy and utilities company that has offices in Europe. The company subsidizes home improvements for domestic customers, to improve energy efficiency and to meet environmental commitments. The company also distributes and generates electricity for domestic and commercial customers. The company has 2,000 employees in multiple offices and in work-from- home locations.

City Power & Light uses a team of schedulers, assessors, field engineers, and customer support agents for home improvements in a program named Get Energy Fit.

Current Environment

Get Energy Fit Program

City Power & Light uses the following to manage the Get Energy Fit program:

- The company uses a Microsoft Excel spreadsheet named Planning Hub on Microsoft SharePoint Online to store information about customer appointments, customer details, and customer eligibility in the program.
- The company records sensitive customer information that includes the document identification numbers and the customer's financial information.
- The company uses an assessor to verify customer eligibility in the program and to perform a suitability assessment. The assessor completes the suitability assessment by using a paper and clipboard at the customer property and enters the data to tte Planning Hub after the assessment is completed. The assessor also uploads * photographs to an on-premises document library. The assessor completes the eligibility assessment by using an application written in React.
- Schedulers use Microsoft Outlook to schedule engineers and assessors for home improvement appointments. About 200 appointments are scheduled daily.
- Employees for the company submit funding claims on behalf of the customer by uploading evidence and compliance checks information to an application named the Claim Submission Portal.

Technical Environment

- Schedulers use Windows 11 desktop and laptop computers with the latest version of Microsoft Edge.
- Assessors use iOS and Android tablet devices.
- The Claim Submission Portal uses REST-based APIs for all operations and a dedicated testing environment. Authentication to the API is provided by using the following example header key and value pair
  - o Authentication: 2C8D41431415E429C7FC7A74D8315
- The company uses Microsoft Azure for hosting multiple applications.

Requirements

Overview

City Power & Light plans to implement Microsoft Power Platform to improve the customer experience and increase delivery for the Get Energy Fit program.

Business Requirements

- Only team leaders and senior managers should have access to read personally identifiable information (PII).
- All development changes must be tested in a separate environment.
- The company requires out-of-the-box solutions, when possible.
- Sensitive credentials, such as user passwords and API secrets, must be stored securely.
- The Claim Submission Portal must allow citizen developers to create automated solutions.
- Customer and appointment information must be accessible to all applications.

Planning Hub Application

The company is planning to replace the Planning Hub spreadsheet with a new application. The new application has the following requirements:

- The application must support a component design that provides rapid changes requested by the schedulers.
- The data model for the application must capture the following information:

- The application must support a component design that provides rapid changes requested by the schedulers.
- The data model for the application must capture the following information;

- o Information about customers such as name, address, and other PH.
- o The data and time for an assessor's or engineer's appointment. Schedulers must be able to view all appointments without filters,
- o Records the details of the home improvements installed for the customer,
- o Contains all the information and evidence for submission to the Claim Submission Portal.

- After an assessor uploads the funding application and all evidence after a home improvement has been complete, the company requires that the status of the application is set to Submit and should run the following:
  - o Retrieve the details about the customer and the improvement installed,
  - o Send an approval to a senior manager to review and approve in Microsoft Teams.
  - o Upload the information to the API endpoint.
  - o if the upload fails to complete, it should retry after a delay of 30 seconds up to three times. If an error occurs after three times, the application should send an email notification to the application support team.
  - o Must record the status on the funding application.

Suitability Assessment Tool

The company plans to implement a new application named the Suitability Assessment Tool for the assessors. The new application has the following requirements:

- Must integrate with Microsoft Power Platform.
- Assessors must be able to complete the eligibility assessment by using the Suitability Assessment Tool. The assessors must be able to upload photographs to the on-premises file share.
- Must be developed by using modular components that can be used by other applications.
- Must be optimized for use on tablet devices.
- All changes to the application must be completed in the Suitability Assessment Tool solution.

Reporting

The company has the following requirements for a reporting solution:

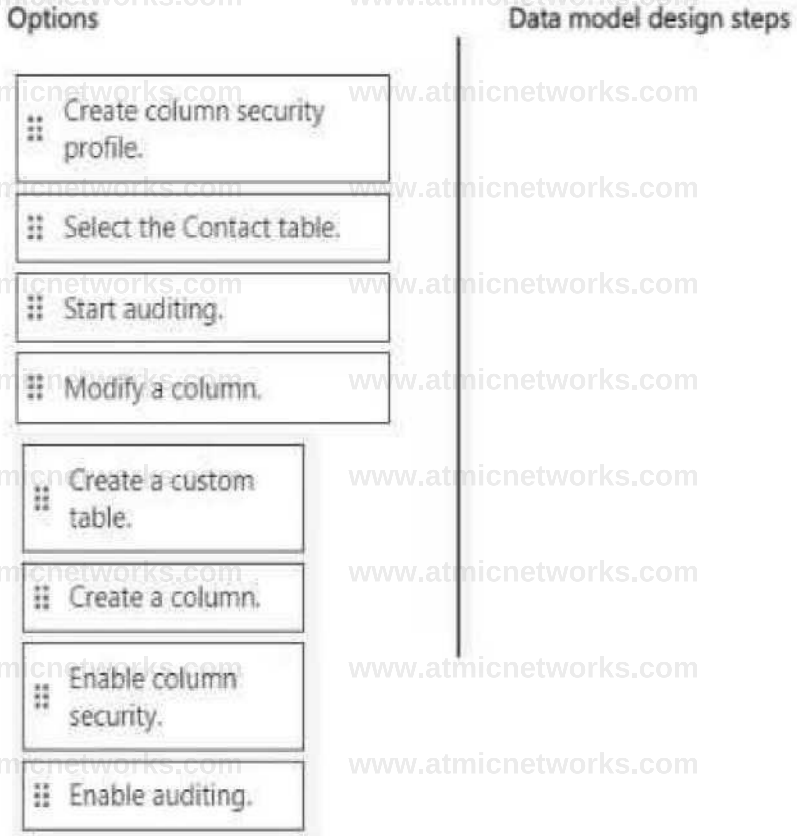
- The data source for the reporting solution must support incremental refreshes.
- The solution must report accurate data if an error occurs.

Question: 63

DRAG DROP

You need to design the Planning Hub data model.

Which four actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.



Options

Create column security profile.

Select the Contact table.

Start auditing.

Modify a column.

Create a custom table.

Create a column.

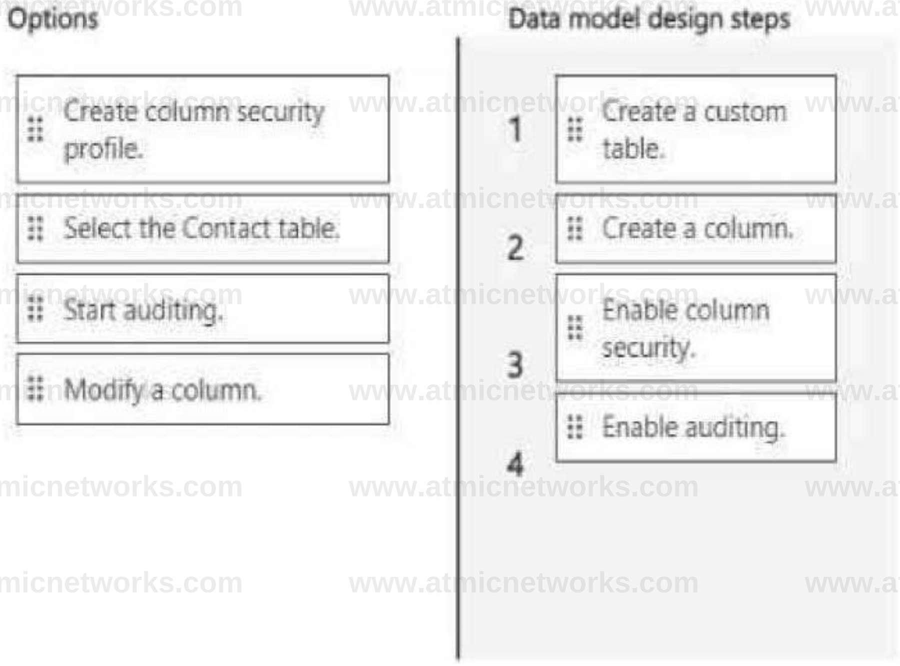
Enable column security.

Enable auditing.

Data model design steps

Answer:

Explanation:



Options

Create column security profile.

Select the Contact table.

Start auditing.

Modify a column.

Data model design steps

1 Create a custom table.

2 Create a column.

3 Enable column security.

4 Enable auditing.

Question: 64

DRAG DROP

You need to build the automation for the Planning Hub application.

Which connector should you use? To answer, move the appropriate connectors to the correct requirements. You may use each connector once, more than once, or not at all. You may need to move the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

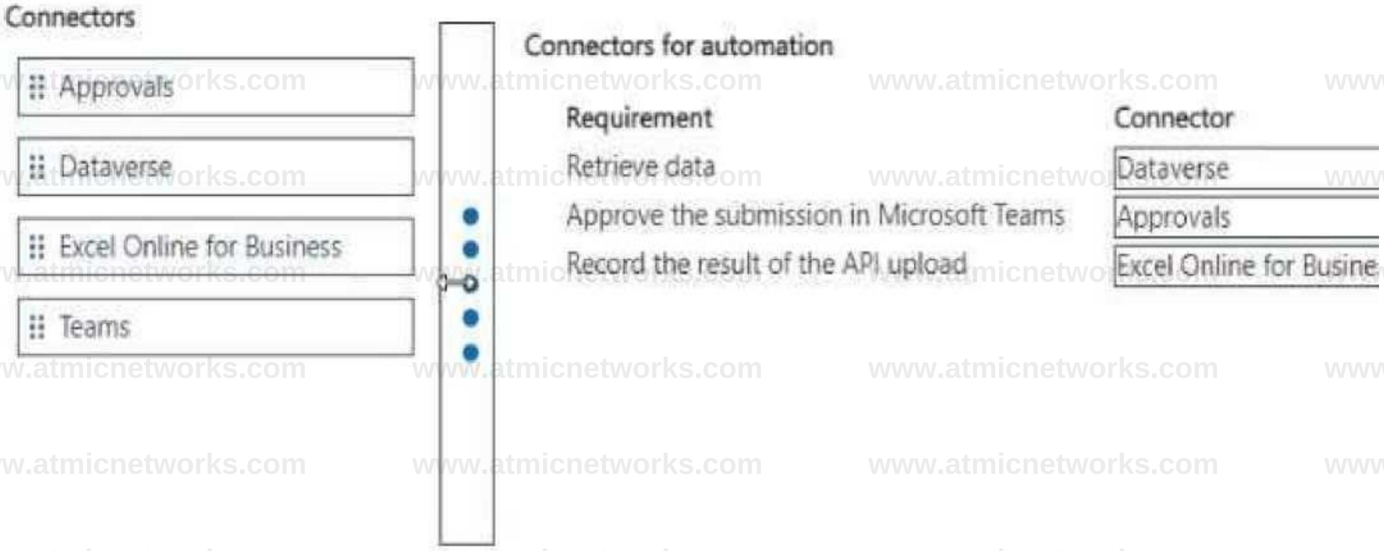
Connectors
- Approvals
- Dataverse
- Excel Online for Business
- Teams

Connectors for automation

Requirement	Connector
Retrieve data	
Approve the submission in Microsoft Teams	
Record the result of the API upload	

Answer

Explanation:



Connectors
- Approvals
- Dataverse
- Excel Online for Business
- Teams

Connectors for automation

Requirement	Connector
Retrieve data	Dataverse
Approve the submission in Microsoft Teams	Approvals
Record the result of the API upload	Excel Online for Busine

Question: 65

You need to implement the Suitability Assessment Tool.

What should you use?

A. Power App Component Framework (PCF) control
B. form
C. view
D. component library

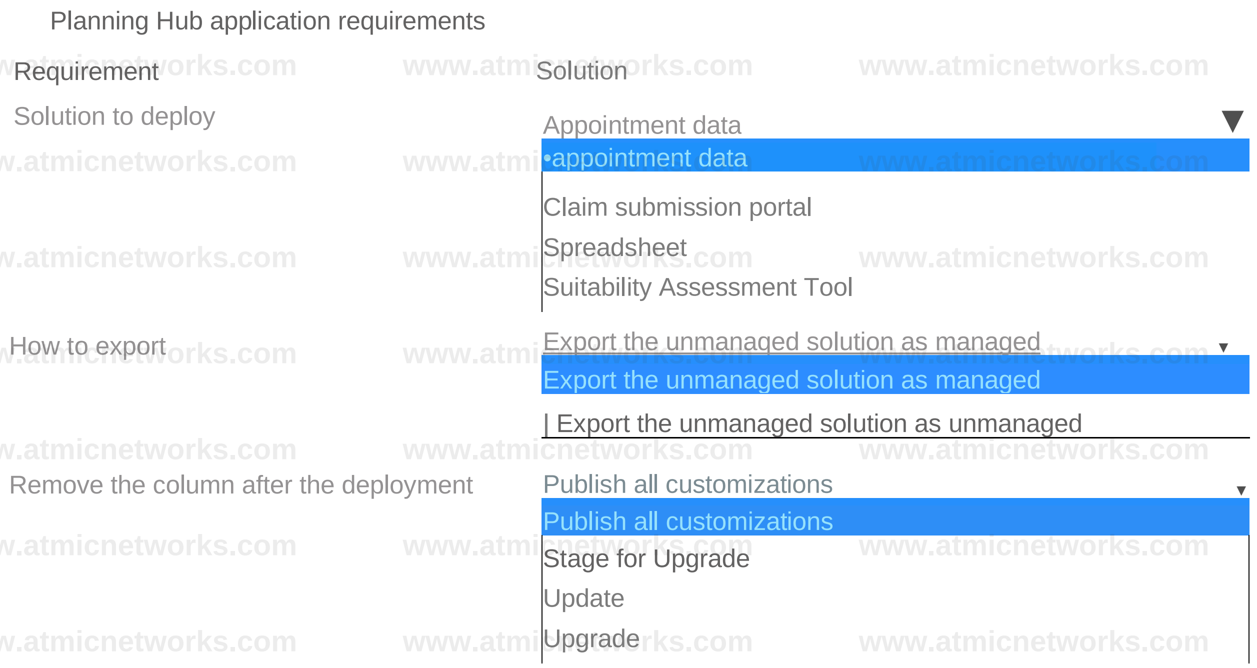
Answer: A

Explanation:

Question: 66

HOTSPOT

You need to deploy the changes and resolve the issue with the Planning Hub application. What should you use? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

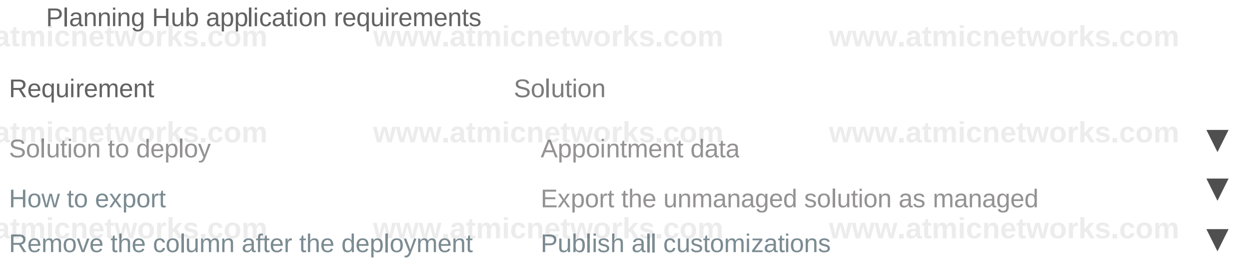


Planning Hub application requirements

Requirement	Solution
Solution to deploy	Appointment data appointment data Claim submission portal Spreadsheet Suitability Assessment Tool
How to export	Export the unmanaged solution as managed Export the unmanaged solution as managed Export the unmanaged solution as unmanaged
Remove the column after the deployment	Publish all customizations Publish all customizations Stage for Upgrade Update Upgrade

Answer:

Explanation:



Planning Hub application requirements

Requirement	Solution
Solution to deploy	Appointment data
How to export	Export the unmanaged solution as managed
Remove the column after the deployment	Publish all customizations

Question: 67

You need to create the eligibility assessment app. Which command should you run?

A. pac application install
B. pac solution init
C. pac plugin init
D. pac pcf init

Answer: B

Explanation:

Question: 68

HOTSPOT

You need to resolve the issues with the appointment data.

What should you change on the view? To answer, select the appropriate interface components in the answer area.

NOTE: Each correct selection is worth one point.

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Answer:

Explanation:

Question: 69

You need to resolve the issue with the eligibility assessment tool.

Which two commands should you run? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

A. pac pcf version —strategymanifest

B. pac solution import C. pac solution version D. pac pcf push

Answer: B, D

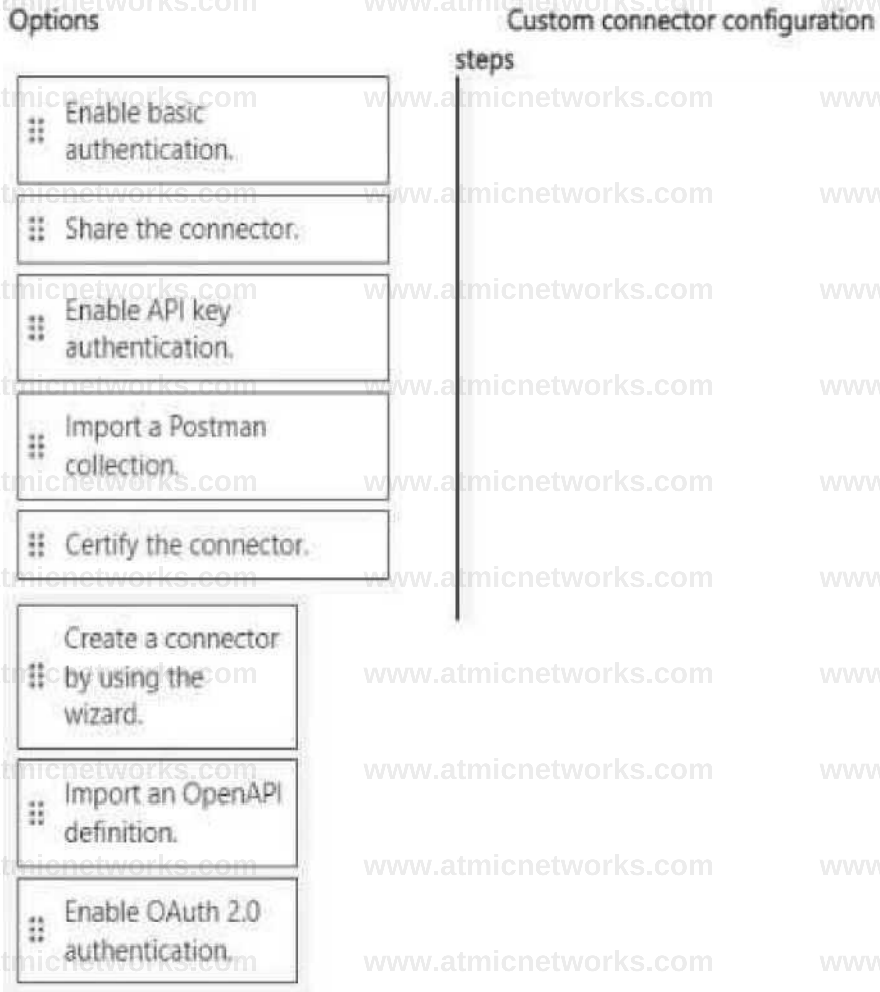
Explanation:

Question: 70

DRAG DROP

You need to configure a custom connector for the claim submission portal API.

Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.



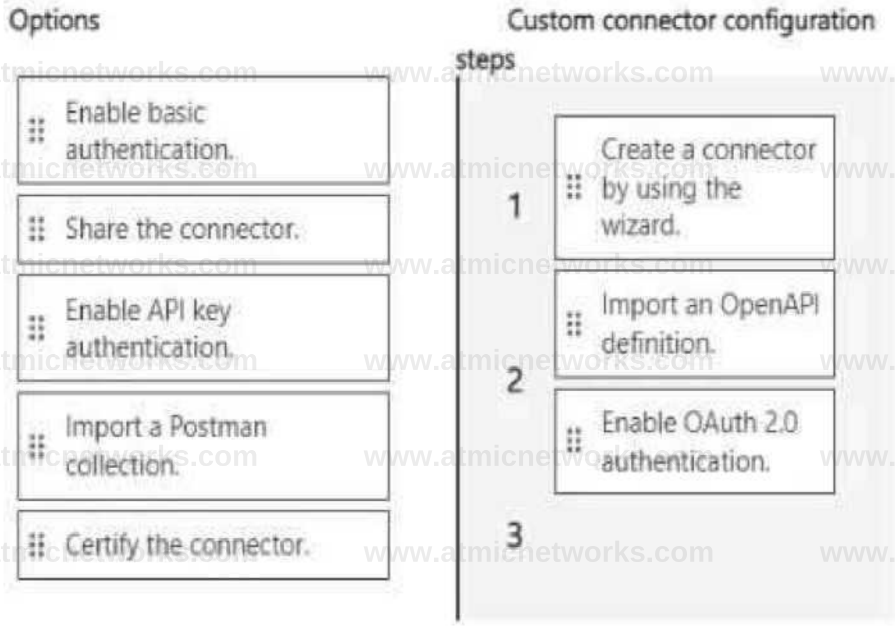
Options

Custom connector configuration steps

- Enable basic authentication.
- Share the connector.
- Enable API key authentication.
- Import a Postman collection.
- Certify the connector.
- Create a connector by using the wizard.
- Import an OpenAPI definition.
- Enable OAuth 2.0 authentication.

Answer:

Explanation:



Options

- Enable basic authentication.
- Share the connector.
- Enable API key authentication.
- Import a Postman collection.
- Certify the connector.

Custom connector configuration steps

1 Create a connector by using the wizard.

2 Import an OpenAPI definition.

Enable OAuth 2.0 authentication.

3

Question: 71

You need to resolve the funding application issue.

Which component should you use?

A. settings
B. secure config
C. environment variable
D. unsecure config

Answer: B

Explanation:

Question: 72

You need to identify the Azure service to use for the Planning Hub application.

Which service should you use?

A. Logic App
B. Function
C. Service Bus
D. Key Vault

Answer: B

Explanation:

Topic 7, Northwind Electric Cars

Background

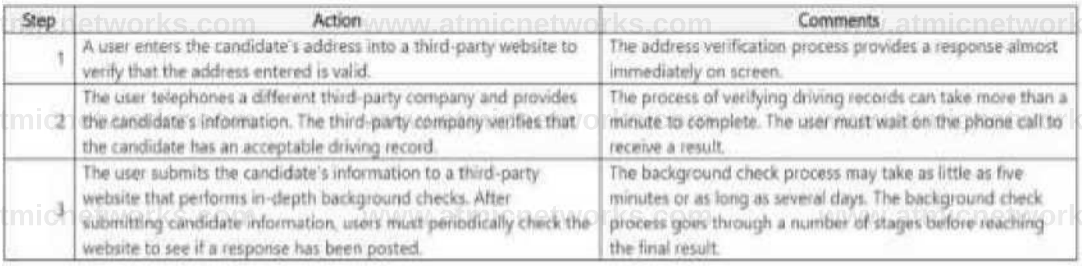
Northwind Electric Cars' ride sharing service is growing rapidly. The company is expanding to offer ride sharing in new cities. The company reports that their ability to perform background checks for potential employees is outpacing the capacity of the human resources (HR) department. The current background check process requires significant manual work.

Current Environment

The HR department uses a model-driven app to manage candidate information. Regional managers report that it is difficult to determine where a candidate is in the background check process without having to contact HR.

The IT department performs all system customizations.

Verification process



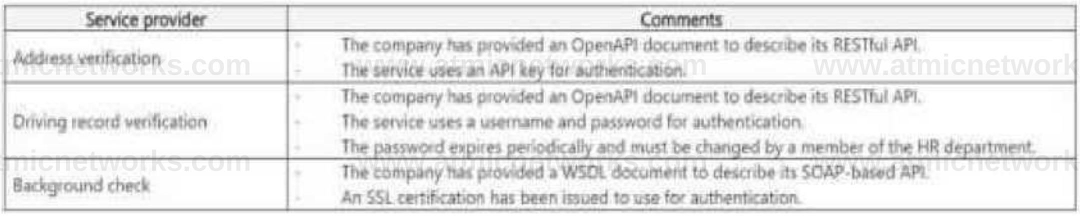
Step	Action	Comments
1	A user enters the candidate's address into a third-party website to verify that the address entered is valid.	The address verification process provides a response almost immediately on screen.
2	The user telephones a different third-party company and provides the candidate's information. The third-party company verifies that the candidate has an acceptable driving record.	The process of verifying driving records can take more than a minute to complete. The user must wait on the phone call to receive a result.
3	The user submits the candidate's information to a third-party website that performs in-depth background checks. After submitting candidate information, users must periodically check the website to see if a response has been posted.	The background check process may take as little as five minutes or as long as several days. The background check process goes through a number of stages before reaching the final result.

Service providers

Each of the third-party services has an API available. Northwind wants to automate the verification process by calling the APIs from a Microsoft Power Platform solution.

Each of the third-party services charge per result. Northwind wants to perform the background check processes only when necessary to minimize costs.

Cross-origin resource sharing (CORS) is disabled for all three APIs.



Service provider	Comments
Address verification	- The company has provided an OpenAPI document to describe its RESTful API. - The service uses an API key for authentication.
Driving record verification	- The company has provided an OpenAPI document to describe its RESTful API. - The service uses a username and password for authentication. - The password expires periodically and must be changed by a member of the HR department.
Background check	- The company has provided a WSDL document to describe its SOAP-based API. - An SSL certification has been issued to use for authentication.

Requirements

General

This project is a top priority for the Northwind. The company has provided time for developers to write code as needed to support the project Use of Microsoft Azure resources is approved for use if necessary.

Address verification

- The system must perform address validation any time an address is added or updated in the model-driven app user interface.
- Validation must not be performed unless an address is changed.
- Users must initiate address validation by selecting a button on the command bar.
- The API must return a version of the address in a uniform format. The returned address must replace the address entered by the user.
- The API must return an error if the address entered cannot be validated. If the API returns an error, the user must contact the candidate to resolve the issue. The user must re-enter the address information to trigger validation.

Driving record verification:

- Driving record verification must only be performed once for each candidate.
- Information required for driving record verification must be sent to the driving record verification service automatically after the candidate's address is verified.
- The API must return a value of either Approved or Rejected to indicate whether the candidate has met the company's requirements.

Background check verification

- Background check verification must be performed only once for each candidate.
- The candidate's information must be sent to the background check service automatically if the candidate's driving

record check is approved.

- The API must return a submission identification number to the caller. The identification number can be used to return the latest stage information from the service.
- The API also returns one of ten possible values. The value returned identifies the current stage of the verification process. The returned value may signify whether the candidate is automatically rejected, automatically passed, or calls for further manual investigation.
- The content and number of stage values is subject to change. The HR department must be able to update the stage values.
- In cases where further investigation is required, users must manually update the value to reflect the final result.
- Regional managers must be able to use the model-driven app to identify the current stage of each of the verification processes for any candidate. The solution must include fields for the candidate's record to represent each stage.
- The solution must connect to the service and update the background check stage for candidates at least once per hour for incomplete background checks.

Environments

Environment	Comments
Development	You mutt be able to Hep through code end expect the value of vanablet
bi eduction	You must not iMUIi debug tolutiom or development took You must be able to view ttaong eendee logs.

Issues

Address verification

Users report that the address verification API returns the following error message: The same origin Policy disallows reading the remote resource.

Background check verification

While reviewing API information for the background check verification process you observe that the API uses an IP address and not a fully-qualified domain name.

Code

AddressVerificationAPI.js

You create a custom action to communicate with the address verification API by using the following code. (Line numbers are included for reference only.)

```
AV01 var parameters = {};
AV02 parameters.Linelln = formContext.getAttribute("addressl linel").getvaiue();
AV03 . . .
AV04 var contoso_ValidateAddressRequest = j
AV05          Linelln: parameters.Linelln,
AV06
AV07
AV08
AV09        getMetadata: function () { return {
AV 10               boundParameter: null, parametertypes: {
AV11                    "Linelln": {
AV12                         "typeName": "Edm.string".
AVI 3                        "structuralProperty": 1
AV14                       is
AV15
AV16
AVI 7
AV18                operationType: 0, operationName:
AVI 9           "northwind_ValidateAddress };
AV20
AV21        } };
AV22 Xrm.webApi.online.execute(ACTIONHAME).then(
AV23       function success(result) {
AV24
AV26
AV27       function error(error) {
AV28
AV29
AV30 );
```

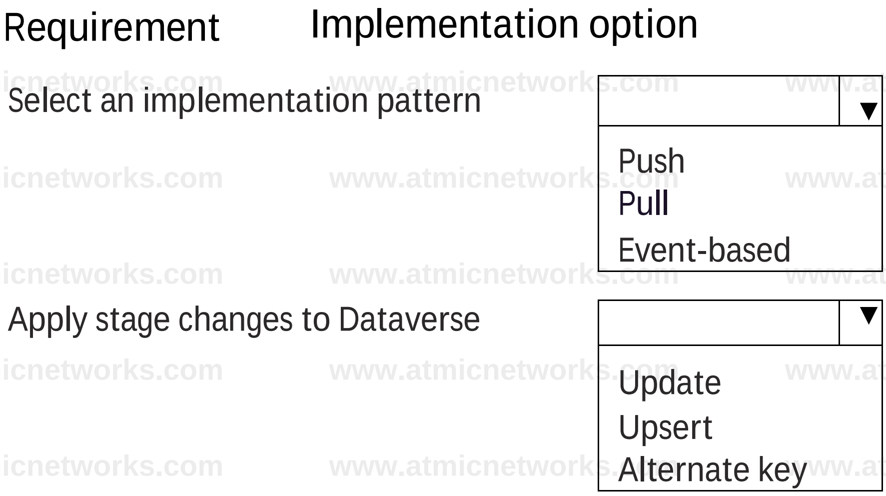
Question: 73

HOTSPOT

You need to design functionality to process background check results.

What should you implement? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.



Requirement

Implementation option

Select an implementation pattern

▼

Push

Pull

Event-based

Apply stage changes to Dataverse

▼

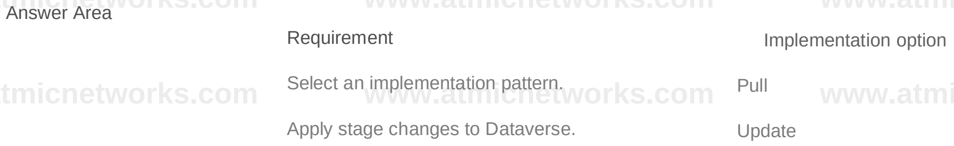
Update

Upsert

Alternate key

Answer:

Explanation:



Answer Area

Requirement	Implementation option
Select an implementation pattern.	Pull
Apply stage changes to Dataverse.	Update

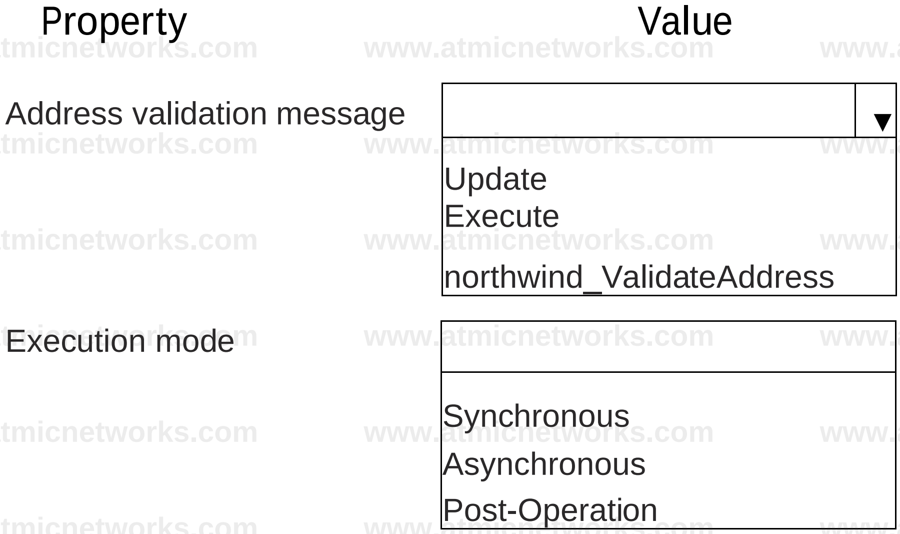
Question: 74

HOTSPOT

You need to configure the address verification API.

Which values should you use? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.



Property

Value

Address validation message

▼

Update

Execute

northwind_ValidateAddress

Execution mode

Synchronous

Asynchronous

Post-Operation

Answer:

Explanation:

Answer Area

Property	Execute
Address validation message	Synchronous
Execution mode	
	Value

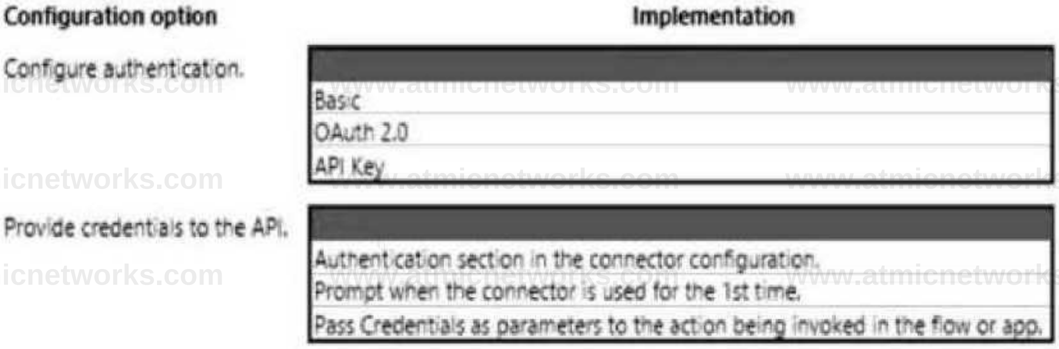
Question: 75

HOTSPOT

You need to configure a connector for the driving record verification API.

How should you configure the system? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.



Configuration option	Implementation
Configure authentication.	Basic OAuth 2.0 API Key
Provide credentials to the API.	Authentication section in the connector configuration. Prompt when the connector is used for the 1st time. Pass Credentials as parameters to the action being invoked in the flow or app.

Answer:

Explanation:

Answer Area

Configuration option	Impiementatioo
Configure authentication	OAuth 2.0
Provide credentials to the API.	Pass Credentials as parameters to the action be nq invoked in the flow or app.

Question: 76

You need to configure the app to meet the address verification requirements.

Which two actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

A. Enable the command bar button only when the address shows as not verified.
B. Make the address fields read-only after they have been verified.
C. Open a confirmation dialog when the command bar button is selected.
D. Clear the field indicating the address is valid when an address field changes.

Answer: A, D

Explanation:

Topic 8, Misc. Questions

Question: 77

You are building a custom application in Azure to process resumes for the HR department.

The app must monitor submissions of resumes.

You need to parse the resumes and save contact and skills information into the Common Data Service.

Which mechanism should you use?

A. Power Automate
B. Common Data Service plug-in
C. Web API
D. Custom workflow activity

Answer: A

Explanation:

Improve operational efficiency with a unified view of business data by creating flows that use Dataverse (Common Data Service has been renamed to Microsoft Dataverse as of November 2020). For example, you can use Dataverse within Power Automate in these key ways:

Create a flow to import data, export data, or take action (such as sending a notification) when data changes.

Instead of creating an approval loop through email, create a flow that stores approval state in an entity, and then build a custom app in which users can approve or reject items.

Reference:

https://docs.microsoft.com/en-us/power-automate/common-data-model-intro

Question: 78

DRAG DROP

You are researching integrations with several external systems.

Each integration has different requirements.

You need to determine which data sources to use to meet each requirement.

What should you use? To answer, drag the appropriate data sources to the correct requirements. Each data source may be used once, more than one, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Answer Area

Objects

- Virtual entity
- Custom connector

Requirement	Object
Support records that use an integer as a primary key.	
Ensure that data can be read and updated.	
Ensure that data is available to all Common Data Service clients.	

Answer:

Explanation:

A. Answer is: Virtual Entity

You cannot change the Entity primaryid field to some other field. CRM using GUID as the Primary key for each record.

If you definitely want to make some other field as Primary key, you could consider using Alternate Keys.

Source: https://docs.microsoft.com/en-us/dynamics365/customerengagement/on-premises/developer/define-alternate-keys-entity

The caveat being that Alternate Keys can be created for Virtual Entity

B. Answer is: Custom Connector

All virtual entitites are read-only.

Source: https://docs.microsoft.com/en-us/dynamics365/customerengagement/on-premises/customize/create-edit-virtual-entities

C. Answer is: Virtual Entity

Rows based on virtual tables are available in all clients including custom clients developed using the Dataverse web services.

Source: https://docs.microsoft.com/en-us/powerapps/maker/data-platform/create-edit-virtual-entities

Question: 79

A company manages capital equipment for an electric utility company. The company has a SQL Server database that contains maintenance records for the equipment.

Technicians who service the equipment use the Dynamics 365 Field Service mobile app on tablet devices to view scheduled assignments. Technicians use a canvas app to display the maintenance history for each piece of equipment and update the history.

Managers use a Power BI dashboard that displays Dynamics 365 Field Service and real-time maintenance data.

Due to increasing demand, managers must be able to work in the field as technicians.

You need to design a solution that allows the managers to work from one single screen.

What should you do?

A. Add the maintenance history app to the Field Service Mobile app.

B. Add the manager Power BI dashboard to the Field Service mobile app.

C. Create a new maintenance canvas app from within the Power BI management dashboard.

D. Add the maintenance history app to the Power BI dashboard.

Answer: D

Explanation:

Power BI enables data insights and better decision-making, while Power Apps enables everyone to build and use apps that connect to business data. Using the Power Apps visual, you can pass context- aware data to a canvas app, which updates in real time as you make changes to your report. Now, your app users can derive business insights and take actions from right within their

Power BI reports and dashboards.

Reference:

https://docs.microsoft.com/en-us/powerapps/maker/canvas-apps/powerapps-custom-visual

Question: 80

HOTSPOT

You work for a staffing company that helps employees fill temporary jobs. Available temporary jobs are categorized and listed on a secure area of the company's website.

The company wants to eliminate manual work that relates to job and candidate management. The company plans to invite employers with available jobs and job candidates to view jobs by sending personalized invitations. The company identifies the following requirements:

Human resources team members from the staffing company must be able to access the jobs listing and post available positions.

Employers seeking temporary employees must also be able to access the jobs listing and post available positions.

Approved job candidates must be notified about new positions for which they are qualified.

Approved job candidate must have an option to accept a job assignment directly from a notification.

You need to perform a gap analysis against the features and capabilities of the Power Platform.

Which features should you implement? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Requirement	Feature
Create the job listings portal.	▼ Custom self-service portal for employers and a custom page for job candidates Custom self-service portal for both employers and job candidates Portal for job candidates and a custom self-service portal for employers Portal from blank for job candidates and employers
Create an app that lists available positions.	▼ Canvas app with push notifications Model-driven app with push notifications Portal app with push notifications
Create the app for employers who are seeking temporary employees.	▼ Entity from defined on the job custom entity Webform with target set to the job custom entity Web page defined on the job custom entity Web step with target set to the job custom entity
Create invitation parameters for job candidates.	▼ Configure a value for the Assigned to Account option only.

	Configure a value for the Execute Workflow on Redeeming Contact option only. Configure values for Assigned to Account and Execute Workflow on Redeeming Contact. Leave both Assigned to Account and Execute Workflow on Redeeming Contact empty.
Create invitation parameters for approved job candidates.	IT Configure a value for the Assigned to Account option only. Configure a value for the Execute Workflow on Redeeming Contact option only. Configure values for Assigned to Account and Execute Workflow on Redeeming Contact. Leave both Assigned to Account and Execute Workflow on Redeeming Contact empty.

Answer:

Explanation:

Requirement	Feature
Create the job listings portal.	▼ Custom self-service portal for employers and a custom page for job candidates Custom self-service portal for both employers and job candidates Portal for job candidates and a custom self-service portal for employers Portal from blank for job candidates and employers
Create an app that lists available positions.	▼ Canvas app with push notifications Model-driven app with push notifications Portal app with push notifications
Create the app for employers who are seeking temporary employees.	Entity from defined on the job custom entity Webform with target set to the job custom entity Web page defined on the job custom entity Web step with target set to the job custom entity
Create invitation parameters for job candidates.	▼ Configure a value for the Assigned to Account option only. Configure a value for the Execute Workflow on Redeeming Contact option only. Configure values for Assigned to Account and Execute Workflow on Redeeming Contact. Leave both Assigned to Account and Execute Workflow on Redeeming Contact empty.

Create invitation parameters for approved job candidates.	▼ Configure a value for the Assigned to Account option only. Configure a value for the Execute Workflow on Redeeming Contact option only. Configure values for Assigned to Account and Execute Workflow on Redeeming Contact. Leave both Assigned to Account and Execute Workflow on Redeeming Contact empty.

Box 1: Custom self-service portal for both employers and job candidates

If you select an environment that contains customer engagement, you can create the following portals:

Customer self-service portal: A customer self-service portal enables customers to access self-service knowledge, support resources, view the progress of their cases, and provide feedback.

Partner portal: A partner portal allows every organization with resellers, distributors, suppliers, or partners to have real-time access to every stage of shared activities.

Employee self-service portal: An employee self-service portal creates an efficient and well-informed workforce by streamlining common tasks and empowering every employee with a definitive source of knowledge.

Box 2: Model-driven app with push notifications

Compared to canvas apps, model-driven apps in PowerApps are based on underlying data — specifically, the data stored in Common Data Service (CDS).

Box 3: Webform with target set to the job custom entity

Box 4: Configure a value for the Execute Workflow on Redeeming Contact option only.

Execute Workflow on Redeeming Contact: A workflow process to be executed when the invite is redeemed. The workflow will be passed the redeeming contact as the primary entity.

Box 5: Configure the value for the Assigned to Account option only.

Assign to Account: An account record to be associated as the redeeming contact's parent customer when the invite is redeemed.

Question: 82

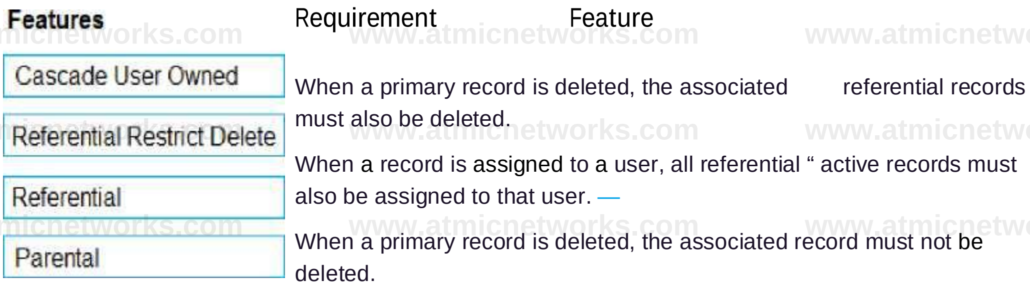
DRAG DROP

A company is creating a new system based on the Common Data Service (CDS).

You need to select the CDS features that meet the company’s requirements.

Which features should you select? To answer, drag the appropriate features to the correct requirements. Each feature may be used once, more than once, or not at all. You may needs to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.



Features

Cascade User Owned

Referential Restrict Delete

Referential

Parental

Requirement	Feature
When a primary record is deleted, the associated must also be deleted.	referential records
When a record is assigned to a user, all referential “ active records must also be assigned to that user. —	
When a primary record is deleted, the associated record must not be deleted.	

Answer:

Explanation:

1. Parental : Any action taken on a record of the parenttable is also taken on the related child table records.
2. Cascade user owned: Perform the action on all referencing entity records owned by the same user as the referenced entity.
3. Referential: Any related records can be navigated to, and actions taken on one will not affect the other.

Question: 83

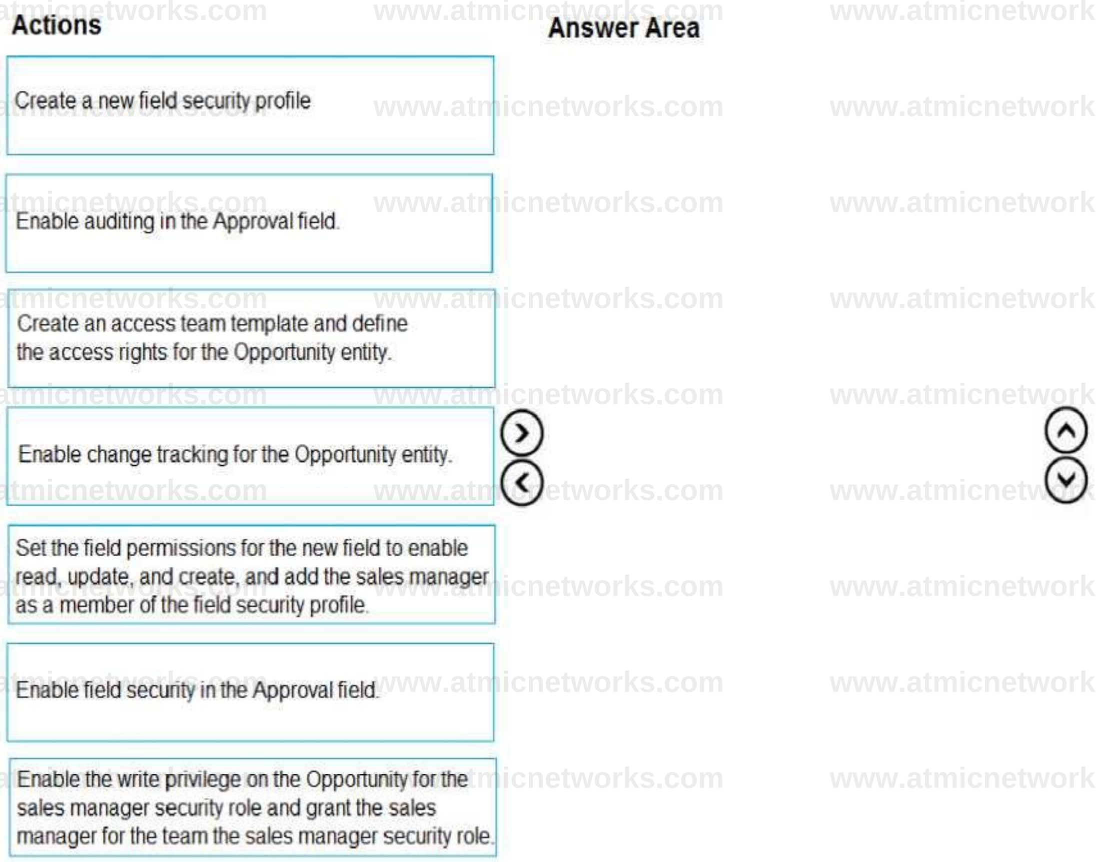
DRAG DROP

A company implements Dynamics 365 Sales.

Only sales managers must be able to perform the approval to move high value sales on in the opportunity qualification process. A new field must be created to capture the approval.

You need to create and secure the new field.

Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.



Actions

Create a new field security profile

Enable auditing in the Approval field.

Create an access team template and define the access rights for the Opportunity entity.

Enable change tracking for the Opportunity entity.

Set the field permissions for the new field to enable read, update, and create, and add the sales manager as a member of the field security profile.

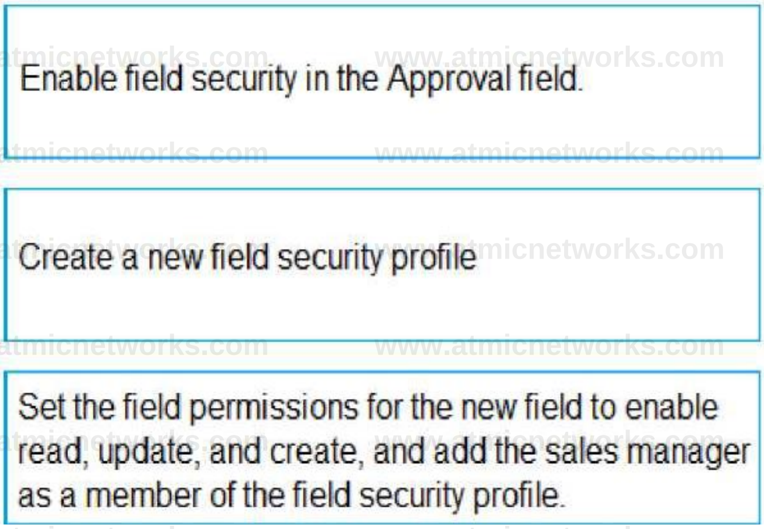
Enable field security in the Approval field.

Enable the write privilege on the Opportunity for the sales manager security role and grant the sales manager for the team the sales manager security role.

Answer Area

Answer:

Explanation:



Enable field security in the Approval field.

Create a new field security profile

Set the field permissions for the new field to enable read, update, and create, and add the sales manager as a member of the field security profile.

Step 1: Enable field security in the Approval field.
Enable field security on one or more fields for a given entity.
Associate one more existing security profiles, or create one or more new security profiles to grant the appropriate access to specific users or teams (step 2 and step 3 below).

Step 2: Create a new field security profile.
Create a new field security profile for the sales manager.

Step 3: Set the field permissions...security profile

Step 2 and step 3, example:

Configure the security profiles.

Create the field security profile for sales managers.

Go to Settings > Security.

Click Field Security Profiles.

Click New, enter a name, such as Sales Manager access contact mobile phone, and click Save.

Click Users, click Add, select the users that you want to grant read access to the mobile phone number on the contact form, and then click Add.

Click Field Permissions, click mobilephone, click Edit, select Yes next to Allow Read, and then click OK.

Reference:

[https://docs.microsoft.com/en-us/dynamics365/customerengagement/on-premises/admin/field- level-security](https://docs.microsoft.com/en-us/dynamics365/customerengagement/on-premises/admin/field-level-security)

Question: 84

HOTSPOT

A company delivers packages to businesses and consumers. A custom entity named Package captures the package details.

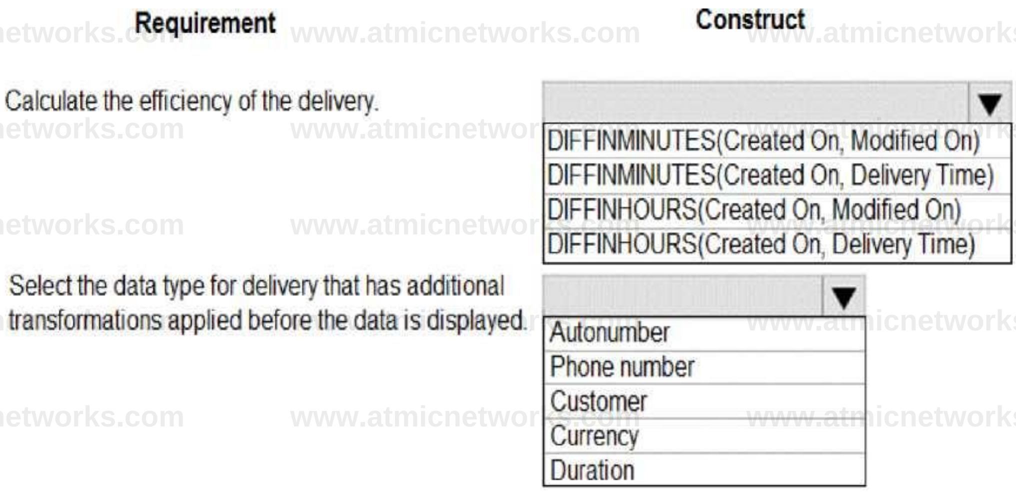
You need to add the following sets of fields to the entity and leverage the built-in operations of the platform:

A set of fields to represent the package length, width, depth, and weight. The maximum value for any dimension is 100 centimeters.

A set of fields for time-sensitive attributes to calculate the efficiency of a delivery based on when the delivery is entered in the system and the existing custom fields: Pickup time and Delivery time.

Which constructs should you use? To answer, select the appropriate options in the answer area.

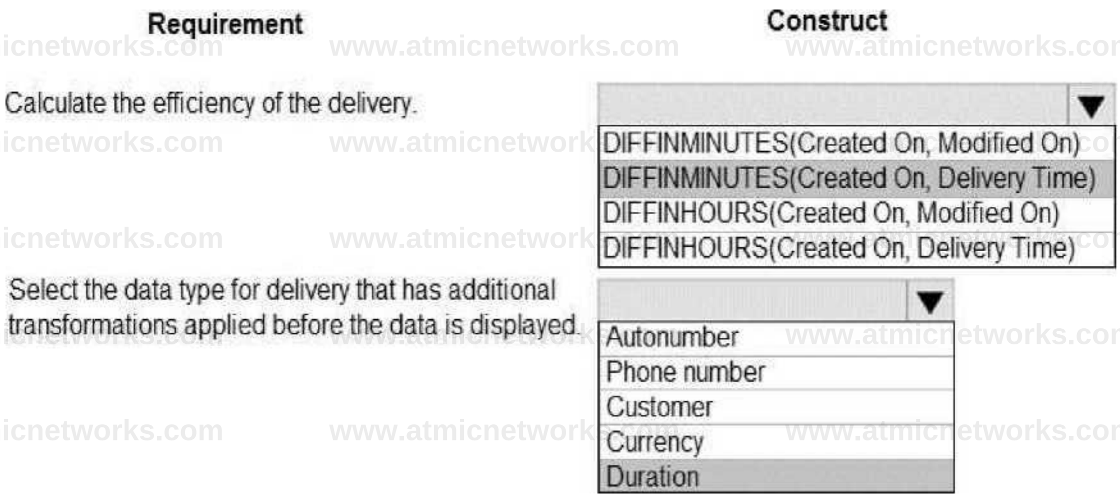
NOTE: Each correct selection is worth one point.



Requirement	Construct
Calculate the efficiency of the delivery.	DIFFINMINUTES(Created On, Modified On) DIFFINMINUTES(Created On, Delivery Time) DIFFINHOURS(Created On, Modified On) DIFFINHOURS(Created On, Delivery Time)
Select the data type for delivery that has additional transformations applied before the data is displayed.	Autonumber Phone number Customer Currency Duration

Answer:

Explanation:



Requirement	Construct
Calculate the efficiency of the delivery.	DIFFINMINUTES(Created On, Modified On) [✓ DIFFINMINUTES(Created On, Delivery Time)] DIFFINHOURS(Created On, Modified On) DIFFINHOURS(Created On, Delivery Time)
Select the data type for delivery that has additional transformations applied before the data is displayed.	Autonumber Phone number Customer Currency [✓ Duration]

Box 1: DIFFINMINUTES(Created on, Delivery Time)

DIFFINMINUTES (date and time, date and time) returns the difference in minutes between two Date and Time columns.

Box 2: Duration

Reference:
https://docs.microsoft.com/en-us/powerapps/maker/common-data-service/define-calculated-fields

Question: 85

A financial services company uses the Common Data Service (CDS) to develop solutions. The company uses development and production instances.
You need to move solutions from the development instance to the production instance.
What are two possible ways to achieve this goal? Each correct answer presents a complete solution.
NOTE: Each correct selection is worth one point.

A. In the development instance, make changes to the solutions that are deployed in the production instance, export the solutions as managed solutions, and import the managed solutions into the production instance.

B. In the development instance, highlight the solution you want to make changes to, select Clone a Patch, make changes, export the solution, and import the solution into the production instance.

C. Export all managed solutions from the development instance and import the solutions into the production instance.

D. In the production instance, import solutions with the same version number or higher when updating solutions.

Answer: AB

Explanation:

A: When you import a managed solution, all component changes will be brought into the environment in a published state.

B: You can apply patches to either managed or unmanaged solutions and include only changes to entities and related entity assets. Patches do not contain any non-customized system components or relationships that it dependents upon because these components already exist in the deployed-to organization. At some point in your development cycle, you can roll up all the patches into a new solution version to replace the original solution that the patches were created from.

Reference:
https://docs.microsoft.com/en-us/powerapps/maker/common-data-service/import-update-export-solutions

https://docs.microsoft.com/en-us/power-platform/alm/create-patches-simplify-solution-updates

Question: 86

HOTSPOT

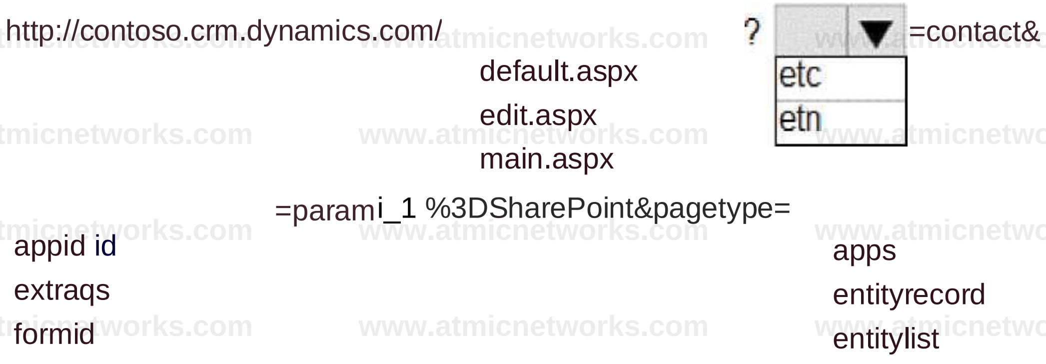
A company uses SharePoint for its intranet and other functions. The company has also implemented model-driven apps.

SharePoint users must be able to create contact records in the Common Data Service (CDS), without having to navigate to the model-driven apps.

You need to create a link in SharePoint to open the CDS contact from displaying data from SharePoint.

How should you complete the URL? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.



http://contoso.crm.dynamics.com/ ? =contact&

default.aspx
edit.aspx
main.aspx

etc
etn

=parami_1 %3DSharePoint&pagetype=

appid id
extraqs
formid

apps
entityrecord
entitylist

Answer:

Explanation:
https://contoso.crm.dynamics.com/main.aspx?etn=contact&extraqs=param_1%3D&pagetype=entityrecord

Box 1: main.aspx

Example, to open the Active Contacts view.

https://myorg.crm.dynamics.com/main.aspx?etn=contact&pagetype=entitylist&viewid={00000000- 0000-0000-00AA-000010001004}

Box 2: etn

Etn: The logical name of the entity. Important: Do not use the etc (entity type code) parameter that contains an integer code for the entity. This integer code varies for custom entities in different organizations.

Box 3: Extraqs

Extraqs: Optional for forms. This parameter contains encoded parameters within this parameter.

When you open a new form by using the URL address, you can include arguments in the extraqs parameter to set field values

Note: You must encode the parameters passed in the extraqs parameter. To encode the parameters, use encodeURIComponent. To use special characters like "=" or "&" in the parameter values, you must double encode (e.g. to set name to A=B&C, it would be extraqs=name%3DA%253DB%2526C).

Box 4: entityrecord

Reference:

https://docs.microsoft.com/en-us/powerapps/developer/model-driven-apps/open-forms-views- dialogs-reports-url

https://docs.microsoft.com/en-us/powerapps/developer/model-driven-apps/set-field-values-using-parameters-passed-form

Question: 87

A company uses a model-driven app to record details of laboratory test.

You are asked to create a custom component that makes it easier to capture multiple values from lab test results on mobile devices.

You need to create the interface for the dataset in case the mobile devices lose connection to the network.

Which method should you use?

A. SaveData
B. updateView
C. init
D. getClient

Answer: A

Explanation:

Use LoadData and SaveData for basic data storage while ofline.

Note:

When building mobile apps, one of the most common scenarios app makers face is how to enable their users be productive in situations where there is limited or no connectivity at all. This has been one of the most requested features for PowerApps to allow running apps while being disconnected and to provide some support for ofline data caching. In this release of PowerApps, we are delivering the first set of improvements for app makers to achieve that by enabling: Launching the PowerApps mobile player app ofline Running apps while being ofline

Determine when your app is online or ofline or in a metered connection by using the Connection signal object.

Leverage existing formulas such as LoadData and SaveData for basic data storage while ofline.

Reference:
https://powerapps.microsoft.com/sv-se/blog/build-ofline-apps-with-new-powerapps-capabilities/

Question: 88

A bank uses a Common Data Service solution to manage clients.

Bank representatives perform client credit checks while the client is present. Credit checks may take up to five minutes to complete.

Bank policy dictates that the bank representative’s app must stay blocked until credit checks are complete. You need to display a model-driven app while credit checks run to ask the bank representative and client to wait for the credit check to complete.

Which function should you use?

A. Xrm.Navigation.openWebResource("prefix.myPoliteMessage.html")
B. Xrm.Navigation.openAlertDialog(myPoliteMessage)
C. Xrm.Utility.openWebResource("prefix_myPoliteMessage.html")
D. Xrm.Utility.showProgressIndicator(myPoliteMessage)

Answer: D

Explanation:

showProgressIndicator displays a progress dialog with the specified message.

Any subsequent call to this method will update the displayed message in the existing progress dialog with the message specified in the latest method call.

The progress dialog blocks the UI until it is closed using the closeProgressIndicator method. So, you must use this method with caution.

Reference:
https://docs.microsoft.com/en-us/powerapps/developer/model-driven-

apps/clientapi/reference/xrm-utility/showprogressindicator

Question: 89

DRAG DROP

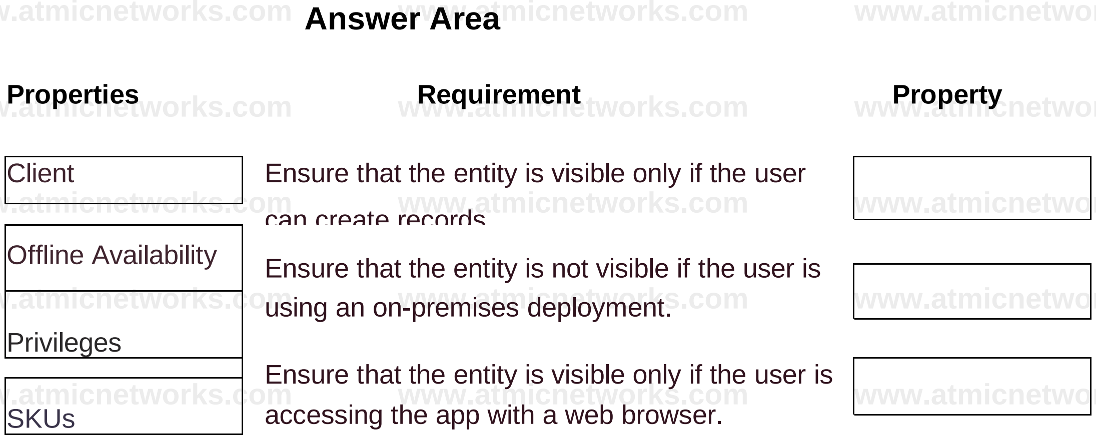
You are creating a model-driven app.

Users need to see only the entities in the app navigation that are relevant to their role and their method of accessing the app.

You need to restrict entities on the sub-areas in the SiteMap.

Which properties should you use? To answer, drag the appropriate properties to the correct requirements. Each property may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.



Answer Area

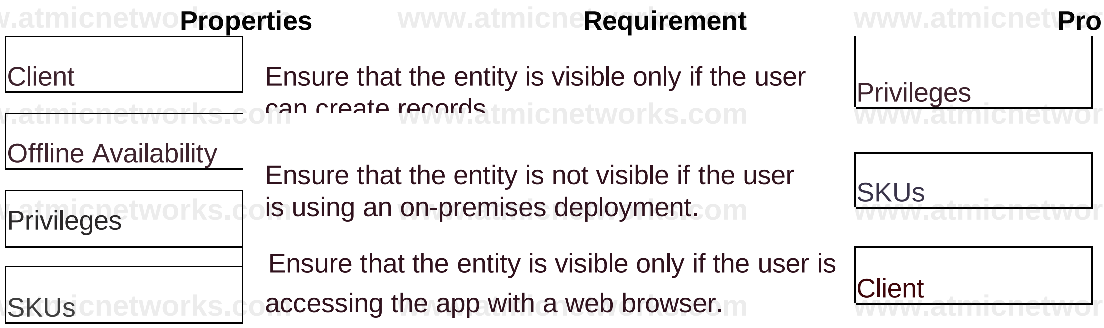
Properties

- Client
- Offline Availability
- Privileges
- SKUs

Requirement	**Property**
Ensure that the entity is visible only if the user can create records	
Ensure that the entity is not visible if the user is using an on-premises deployment.	
Ensure that the entity is visible only if the user is accessing the app with a web browser.	

Answer:

Explanation:



Properties

- Client
- Offline Availability
- Privileges
- SKUs

Requirement	**Property**
Ensure that the entity is visible only if the user can create records	Privileges
Ensure that the entity is not visible if the user is using an on-premises deployment.	SKUs
Ensure that the entity is visible only if the user is accessing the app with a web browser.	Client

Box 1: Privileges

Privileges: This defines whether a subarea is displayed based on privileges available in any security roles that are assigned to the user.

Box 2: SKU

SKUs: Select the versions of Dynamics 365 that display this subarea.

Box 3: Client

Client: Select the type of client that displays this subarea.

Incorrect Answers:

Ofline Availability: Select this check box to make this subarea available to users when they are ofline in Dynamics 365 for Outlook.

Reference:

https://docs.microsoft.com/en-us/powerapps/maker/model-driven-apps/create-site-map-app

Question: 90

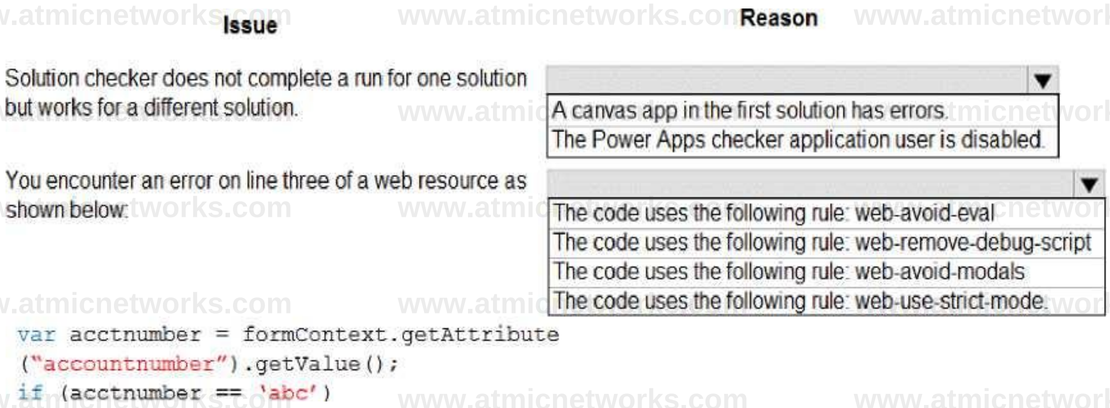
HOTSPOT

You are troubleshooting Power Apps solutions.

You need to determine the cause for the identified issues.

What is the root cause for each issue? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

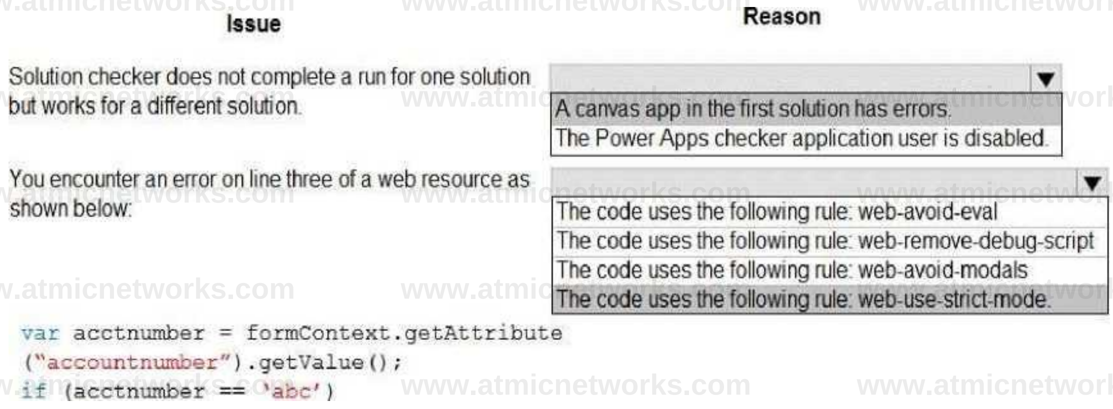


Issue	Reason
Solution checker does not complete a run for one solution but works for a different solution.	▼ A canvas app in the first solution has errors. The Power Apps checker application user is disabled.
You encounter an error on line three of a web resource as shown below:	▼ The code uses the following rule: web-avoid-eval The code uses the following rule: web-remove-debug-script The code uses the following rule: web-avoid-modals The code uses the following rule: web-use-strict-mode.

```
var acctnumber = formContext.getAttribute
("accountnumber").getValue();
if (acctnumber == 'abc')
```

Answer:

Explanation:



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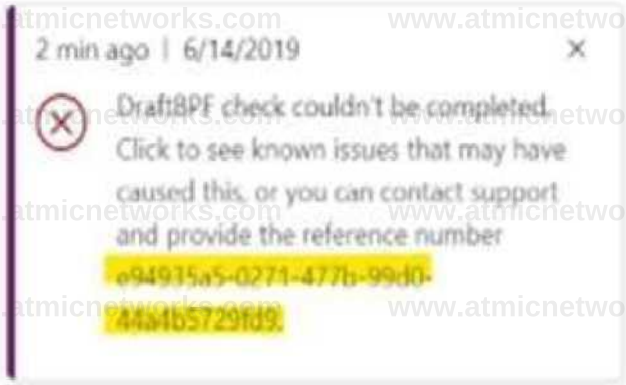
```
var acctnumber = formContext.getAttribute
(“accountnumber”).getValue();
if (acctnumber == ’abc’)
```

Box 1: A canvas app in the first solution has errors.
Failures that occur during background processing of the analysis will fail with 'Couldn't be completed' status and return an error message in the Power Apps portal as well as send email notification to the requestor.

Selecting the portal notification will link to this page of common issues for further troubleshooting. If one of the provided common issues does not resolve the problem, a reference number is also returned. Provide this reference number to Microsoft Support for further investigation.



2 min ago | 6/14/2019

DraftBPF check couldn't be completed. Click to see known issues that may have caused this, or you can contact support and provide the reference number e94935a5-0271-477b-99d0-44a4b57291d9.

Box 2: The code uses the following rule: web-use-strict-mode web-use-strict-mode is able to throw a SyntaxError before the script is executing.

Example:
The reason is JavaScript lets you compare different variable types but this can have unexpected results, so by using the strict === it compares the same type and won't have unexpected results

this gets a warning

entity.field == "Line1"

Incorrect Answers:

web-avoid-eval: The eval() function evaluates JavaScript code represented as a string.

web-avoid-modals: Avoid using modal dialogs.

web-remove-debug-script: Avoid including debug script in non-development environments.

Reference:

https://docs.microsoft.com/en-us/powerapps/maker/common-data-service/common-issues- resolutions-solution-checker

Question: 91

You create a Power Apps app that integrates with Dynamics 365 Customer Service.

You update the app and run solution checker on the original solution. You receive an error stating solution checker cannot export the solution.

You need to determine the primary cause for the issue.

What is the primary cause?

A. The original solution is locked because there is a dependent patch.
B. The solution was not exported before running solution checker.
C. The environment is an Administrator mode.
D. Solution checker cannot check default solutions.

Answer: A

Explanation:

Solution checker fails to export patched solutions.

If a solution has had a patch applied, Solution Checker will fail to export the solution for analysis. When a solution has had a patch applied, the original solution becomes locked and it can't be changed or exported as long as there are dependent patches that exist in the organization that identify the solution as the parent solution.

To resolve this issue, clone the solution so that all patches related to the solution are rolled into the newly created solution. This unlocks the solution and allows the solution to be exported from the system.

Reference:

https://docs.microsoft.com/en-us/powerapps/maker/common-data-service/common-issues- resolutionssolution-checker#solution-checker-fails-to-export-solutions-with-model-driven-app-components

Question: 92

HOTSPOT

You are creating a model-driven app to track the time that employees spend on individual projects.

You need to configure the app according to the company's requirements.

Which components should you configure? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Requirement	Component
Ensure that the values stored in the Project Name field are discoverable in Advanced Find.	▼ Entity View Connector
Display the original estimated duration as estimated start and end dates for the operation during time entry.	▼ Quick View Card Quick Create

Answer:

Explanation:

Requirement	Component
Ensure that the values stored in the Project Name field are discoverable in Advanced Find.	▼ Entity View Connector
Display the original estimated duration as estimated start and end dates for the operation during time entry.	▼ Quick View Card Quick Create

Box 1: View

Box 2: Quick Create

With quick create forms, your app can have a streamlined data entry experience with full support for logic defined by form scripts and business rules.

By default only these system tables have quick create forms: account, campaign response, 1case, competitor, contact, lead, opportunity.

Incorrect Answers:

Quick View

A quick view form can be added to another form as a quick view control. It provides a template to view information about a related table row within a form for another table row. This means your app users do not need to navigate to a different row to see the information needed to do their work.

Reference:

https://docs.microsoft.com/en-us/powerapps/developer/model-driven-apps/customize-entity-views

https://docs.microsoft.com/en-us/powerapps/maker/model-driven-apps/create-edit-quick-create- forms

Question: 93

You fix a bug in the code of your application, which is currently on version 10.0.2.1.

You need to publish an updated version of the solution.

Which version identifier should you use?

A. 10.0.3.1

B. 10.0.2.2

C. 10.1.0.2

D. 11.0.0

Answer: A

Explanation:

The version number are <major>.<minor>.<build>.<revision>.

When we create patches in Dynamics 365, the system will automatically increment the build version (you can overwrite the chosen number when you create the patch). For example, if our solution starts at 1.0.0.0, we export it to become 1.0.0.1. We then create a patch, and the version of the patch is 1.0.1.1. If we export it now, it might become 1.0.1.2. In all cases, the build or version number has been incremented. Patches require the build or version number to increment, but not the major or minor version.

Reference:

https://carldesouza.com/how-solution-version-numbers-work-in-the-microsoft-power-platform/

Question: 94

HOTSPOT

Fabrikam, Inc, has two divisions as shown in the Business Unit exhibit. (Click the Business Unit tab.)

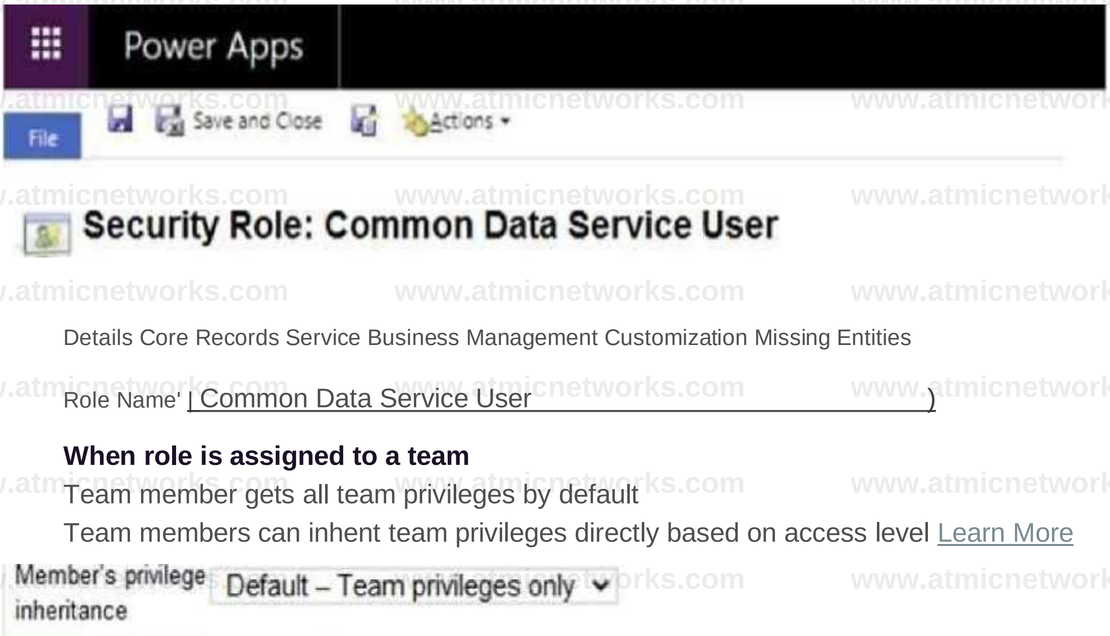
Business Units p

View: Active Business Unit

30 **New S Ell X & R^{un} Workflow... 0 Start Dialog More Actions ■**

☐ Name I^{5}	Main Phone Website Parent Business	Y J
Fabnkam		
Fabnkam Property Management	Fabnkam	
Fabrikam Residences	Fabnkam	

The manager of the Property Management business unit is a member of a Fabrikam business unit, which has the root security role as shown in the Security Role exhibit. (Click the Security Role tab.)



Security Role: Common Data Service User

Details Core Records Service Business Management Customization Missing Entities

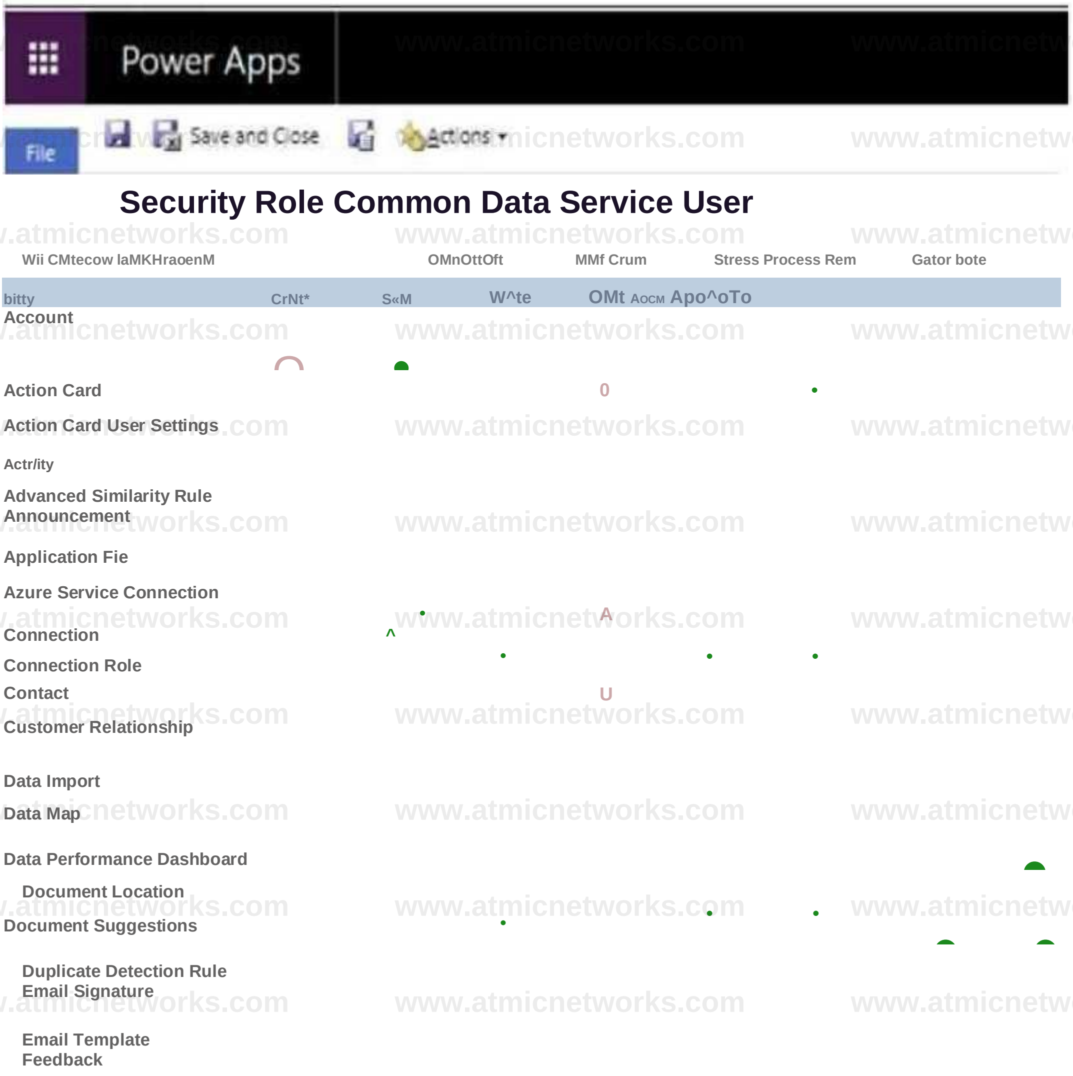
Role Name' | Common Data Service User)

When role is assigned to a team

Team member gets all team privileges by default

Team members can inhent team privileges directly based on access level Learn More

Member's privilege inheritance: Default – Team privileges only



Security Role Common Data Service User

Wii CMtecow laMKHraoenM OMnOttOft MMf Crum Stress Process Rem Gator bote

bitty CrNt* S«M W^te OMt Aocm Apo^oTo

Account

Action Card 0

Action Card User Settings

Actr/ity

Advanced Similarity Rule

Announcement

Application Fie

Azure Service Connection

Connection ^ A

Connection Role

Contact U

Customer Relationship

Data Import

Data Map

Data Performance Dashboard

Document Location

Document Suggestions

Duplicate Detection Rule

Email Signature

Email Template

Feedback

The manager cannot see the contact record shown in the Contact exhibit. (Click the Contact tab.)

Contact: Contact

Claire Sherman

Owner: **Marion Long**

CONTACT INFORMATION

First Name *	Claire
Last Name *	Sherman
Address 1: City	Monroe
Mobile Phone *	647-555-5555

No records to show

You need to ensure that the manager can view contact records owned by someone in the Residences business unit.

For each of the following statements, select Yes if the statement achieves the goal. Otherwise, select No.

Statement	Yes	No
Modify the security inheritance		
Move the manager to the root Fabrikam business unit	○	○
Expand the Read permission of the security role to be Business Unit level,	○	

Answer:

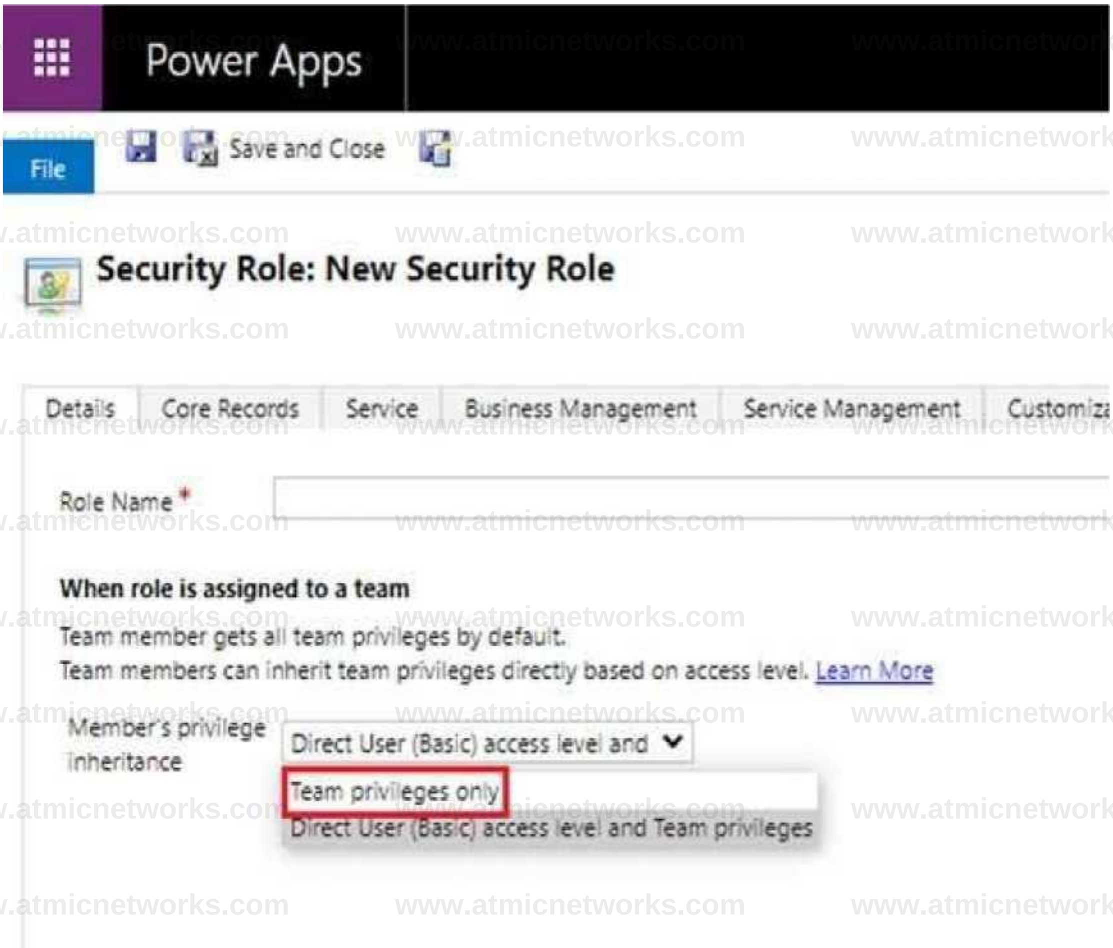
Explanation:

Statement	Yes No
Modify the security inheritance	
Move the manager to the root Fabrikam business unit	
Expand the Read permission of the security role to be Business Unit level. :	

Box 1: Yes

Change it to Direct User/Basic access level and Team privileges. This creates a security role with team member's privilege inheritance.

Note: For roles assigned to teams with Basic-level access user privilege, the role's inheritance configuration also comes into play. If the team has the Member's privilege inheritance set to Team privileges only, then the user will only be able make use of that privilege for records owned by the team.¨



Security Role: New Security Role

Role Name *

When role is assigned to a team

Team member gets all team privileges by default.

Team members can inherit team privileges directly based on access level. Learn More

Member's privilege inheritance: Direct User (Basic) access level and

Team privileges only

Direct User (Basic) access level and Team privileges

Box 2: No

The manager of the Property Management business unit is already a member of a Fabrikam business unit, which has the root security role

Box 3: Yes

Reference:

https://docs.microsoft.com/en-us/power-platform/admin/security-roles-privileges

Question: 95

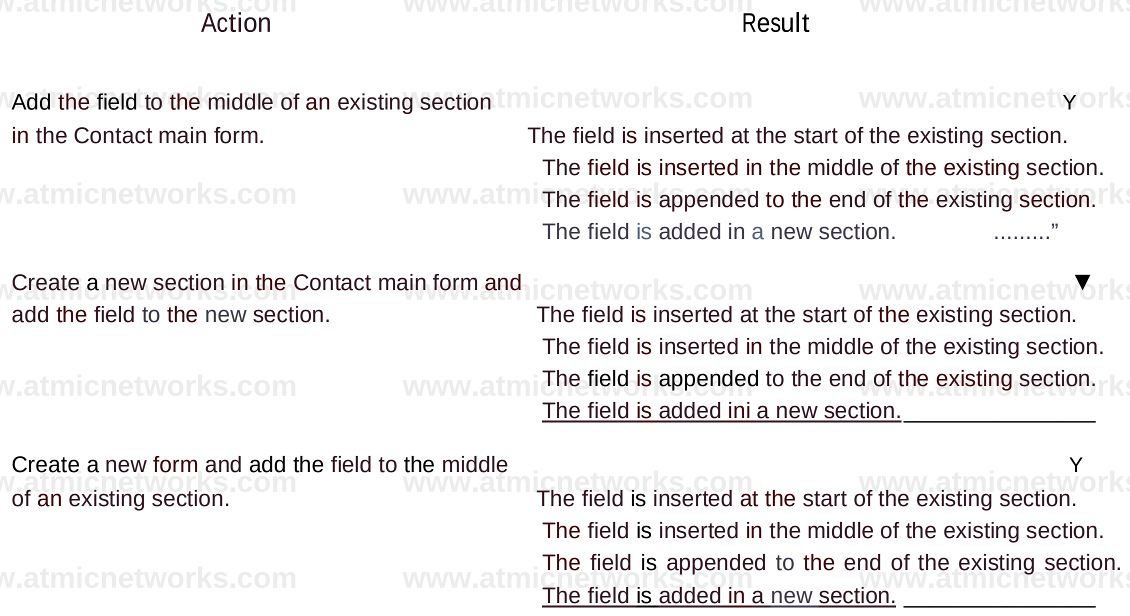
HOTSPOT

A company has a development environment and a production environment. The production environment has several third-party managed and unmanaged solutions that made changes to the Contact main form.

You create a new solution in the development environment. You add the Contact entity and the Contact main form to the solution. You create a custom field on the Contact entity.

What happens when you perform these actions and import the solution into the production environment? To answer, select the appropriate options in the answer area.

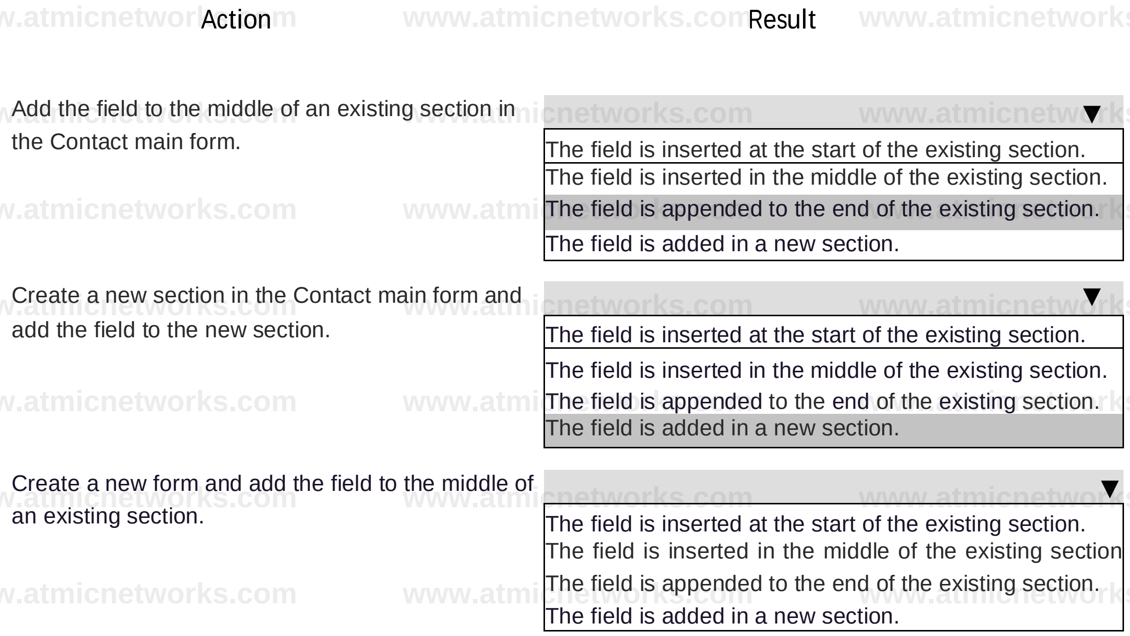
NOTE: Each correct selection is worth one point.



Action	Result
Add the field to the middle of an existing section in the Contact main form.	Y The field is inserted at the start of the existing section. The field is inserted in the middle of the existing section. The field is appended to the end of the existing section. The field is added in a new section. ....”
Create a new section in the Contact main form and add the field to the new section.	▼ The field is inserted at the start of the existing section. The field is inserted in the middle of the existing section. The field is appended to the end of the existing section. The field is added ini a new section.
Create a new form and add the field to the middle of an existing section.	Y The field is inserted at the start of the existing section. The field is inserted in the middle of the existing section. The field is appended to the end of the existing section. The field is added in a new section.

Answer:

Explanation:



Action	Result
Add the field to the middle of an existing section in the Contact main form.	▼ The field is inserted at the start of the existing section. The field is inserted in the middle of the existing section. The field is appended to the end of the existing section. The field is added in a new section.
Create a new section in the Contact main form and add the field to the new section.	▼ The field is inserted at the start of the existing section. The field is inserted in the middle of the existing section. The field is appended to the end of the existing section. The field is added in a new section.
Create a new form and add the field to the middle of an existing section.	▼ The field is inserted at the start of the existing section. The field is inserted in the middle of the existing section The field is appended to the end of the existing section. The field is added in a new section.

Box 1: The field is appended to the end of the existing section.

When you add new elements to a form that is to be merged, we recommend that you include your new elements within new container elements (tabs or sections). Additions to any container will be appended to the end of the container. For example, fields added to a section will be positioned at the end of the section.

Box 2: The field is added in a new section.

Box 3: The field is inserted in the middle of the existing section

Reference:
https://docs.microsoft.com/en-us/previous-versions/dynamicscrm-2016/developers-guide/gg309329(v=crm.8)

Question: 96

An organization uses Dynamics 365 Sales. The organization has accounting and customer service departments.
You must restrict users in customer service from being able to change the value of the balance field on the Contact records. The accounting team must be the only team able to edit this field.
You need to create the appropriate solution without any customizations.
What should you do first?

A. Enable field security for the balance field and grant the customer service team read and update permissions.
B. Create a customer service form and role and make the balance field read-only.
C. Enable field security for the balance field and grant the accounting team read permissions.
D. Enable field security for the balance field and grant the customer serv ice team read permissions.

Answer: C

Explanation:

In Dynamics 365 Customer Engagement (on-premises), you use field-level security to restrict access to high business impact fields to specific users and teams. For example, you use this to enable only certain users to read or update the credit score for a customer.

Reference:
https://docs.microsoft.com/en-us/dynamics365/customerengagement/on- premises/developer/security-dev/use-field-security-control-access-field-values

Question: 97
HOTSPOT

You are developing a model-driven app for the purchasing department of an organization. You provision a new test environment and a security role. You select users to test the apps and assign the users to a security group named TestSG.

If the tests succeed, a manager will perform additional testing in the production environment and then publish the app for the organization’s purchasing department.

You need to ensure that the test and production environments are configured correctly.

What should you do? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Scenario	Security artifact
Ensure that only test users can access the test environment.	▼ Set the test environment security group to TestSG. Assign the test users the app security role. Set the test environment security group to TestSG and assign test users the app security role.
Ensure that only the manager can access the app in production.	▼ Set the production environment security group to TestSG. Assign the manager the app security role. Add the manager to the TestSG security group and grant the manager the app security role.
Ensure that test users can access the app in production.	▼ Set the production environment security group to TestSG. Assign the test users the app security role. Set the production environment security group to TestSG and assign test users the app security role.
Ensure that purchasing department users can access the test environment.	▼ Remove the security group TestSG associated with the test environment. Assign all users the app security role. Add all users in the department to the TestSG security group.

Answer:

Explanation:

Scenario	Security artifact
Ensure that only test users can access the test environment.	▼ Set the test environment security group to TestSG. Assign the test users the app security role Set the test environment security group to TestSG and assign test users the app security role
Ensure that only the manager can access the app in production	▼ Set the production environment security group to TestSG. Assign the manager the app security role. Add the manager to the TestSG security group and grant the manager the app security role
Ensure that test users can access the app in production.	▼ Set the production environment security group to TestSG. Assign the test users the app security role. Set the production environment security group to TestSG and assign test users the app security role.
Ensure that purchasing department users can access the test environment	▼ Remove the security group TestSG associated with the test environment Assign all users the app security role. Add all users in the department to the TestSG security group.

Box 1: Set the test environment security group to TestSG and assign test users the app security role. PowerApps apps

use role-based security for sharing. The fundamental concept in role-based security is that a security role contains privileges that define a set of actions that can be performed within the app. All app users must be assigned to one or more predefined or custom roles.

Box 2: Assign the manager the app security role.

Box 3: Set the production environment security group to TestSG

Box 4: Add all users in the department to the TestSG security group.

Reference:
https://docs.microsoft.com/en-us/powerapps/maker/model-driven-apps/share-model-driven-app

Question: 98

A travel company plans to track the address of places their clients visit in an entity named Destination. Client information is captured as contact records. Client records include links to the places that clients visit.

The company must be able to link multiple rating records to the new address record.
You find a custom Rating entity that is incomplete.

You need to expand the Rating entity to include contact, address, and rating information in one place.
Which three actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

A. Create a 1:N relationship between the Contact system entity and the Address system entity named Destination.
B. Create a mapping for the Contact – Rating relationship.
C. Create a 1:N relationship between the Address system entity and the Rating entity.
D. Create a 1:N relationship between the Contact system entity and the Rating entity.
E. Create a mapping for the Destination – Rating relationship.
F. Create a 1:N relationship between the Destination entity and the Rating entity.

Answer: ACE

Explanation:

Reference:
https://docs.microsoft.com/en-us/powerapps/maker/common-data-service/map-entity-fields

Question: 99

HOTSPOT

A company uses Dynamics 365 Sales and the Microsoft Online Services portal.

The multi-select OptionSet field data type is not supported in the portal.

You need to copy the selected field value to the text field.

How should you configure the Organization service request? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

```
Entity entity = (Entity)context.InputParameters ["Target"];
var attribu.teRequ.est = new Retrieve Attr ibu.teRequ.es t {
     EntityLogicalName = "entityname",
     LogicalName = "fieldname",

               RetrieveAsIfPublished =         T
          };                             true
                                          false

          var        attributeResponse        =        (RetrieveAttributeResponse}
 service.Execute(attributeRequest) ;
          var attributeMetadata =
 (EnumAttributeMetadata)attributeResponse.
                                                   AttributeMetadata
                                                   AttributeResponse
                                                   Opti onMetadataCollection
                                                   MultiSelectPicklistAttributeMetadata
```

Answer:

Explanation:

```
Entity entity = (Entity)context.InputParameters["Target"] var attributeRequest = new
RetrieveAttribu.teRequ.est {
     EntityLogicalName = "entityname",
     LogicalName = "fieldname",

               RetrieveAsIfPublished =     ▼
          };                             true
                                          false

          var        attributeResponse        =        (RetrieveAttributeResponse)
 service.Execute(attributeRequest) ;
          var attributeMetadata =
 (EnumAttributeMetadata)attributeResponse.
                                                   AttributeMetadata
                                                   AttributeResponse
                                                   0 pti o nM eta d ata Collect! o n
                                                   MultiSelectPicklistAttributeMetadata
```

Box 1: Yes

If you are creating an attribute editor you will need to retrieve entity data that has been saved but not published. For other scenarios you will want to only retrieve published metadata.

Set this value to true to include unpublished changes, as it would look if you called publish.

Set this value to false to include only the currently published changes, ignoring the changes that haven't yet been published.

Box 2: AttributeMetadata

AttributeMetadata class is returned in the RetrieveAttributeResponse.

Reference:

https://docs.microsoft.com/en-us/dotnet/api/microsoft.xrm.sdk.messages.retrieveattributerequest.retrieveasifpublished?view=dyn [amics-general-ce-9](https://docs.microsoft.com/en-us/dotnet/api/microsoft.xrm.sdk.metadata.attributemetadata?view=dynamics-general-ce-9)

https://docs.microsoft.com/en-us/dotnet/api/microsoft.xrm.sdk.metadata.attributemetadata?view=dynamics-general-ce-9

Question: 100

You have a Common Data Service entity and a model-driven app. The model-driven app integrates with an external system.

You plan to run business logic each time the model-driven app creates a record. Running business logic must not negatively affect model-driven app users.

You need to implement the business logic.

What should you use?

A. Synchronous plug-in registered in the PreOperation stage
B. Synchronous workflow
C. Asynchronous plug-in registered in the PostOperation stage

Answer: C

Explanation:

The asynchronous service executes long-running operations independent of the main Microsoft Dataverse core operation. This results in improved overall system performance and improved scalability.

Reference:

https://docs.microsoft.com/en-us/powerapps/developer/common-data-service/asynchronous-service

Question: 101

HOTSPOT

A company is preparing to go live with their Dynamics 365Sales solution, but first they need to migrate data from a legacy system. The company is migrating accounts in batches of 1,000.

When the data is saved to Dynamics 365 Sales, the IDs for the new accounts must be output to a log file.

You have the following code:

```
1.  ExecuteMulticleRequest request - -                    -□:()
2.  {
3.  Settings = new ExecuteMultipleSettings()
4.  I
5.     ContinueOnError = true,
6.     ReturnResponses = false
7.     },
8.  Requests = new OrganizationRequestCollection()

10.  GetAccountData(request.Requests);
11. ExecuteMultipleResponse responseWithResults = (ExecuteMultipleResponse)
crmSvc.Execute(request);
12.  foreach (var responseitem in responseWithResults.Responses)
```

```
{
...
}
```

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

Statement	Yes	No
The developer is able to get access to the newly-created accounts IDs		
If an error occurs, the developer can get access to the request that caused the fault		
If there are errors in the requests, the request will raise an exception at the first error and stop processing		
If there are ten errors in the 1,000 CreateRequest requests, ten responses will be returned from the platform		

Answer:

Explanation:

Statement	Yes	No
The developer is able to get access to the newly-created accounts IDs.		○
If an error occurs, the developer can get access to the request that caused the fault.		
If there are errors in the requests, the request will raise an exception at the first error and stop processing.		
If there are ten errors in the 1,000 CreateRequest requests, ten responses will be returned from the platform.		

Box 1: No

Box 2: Yes

ContinueOnError: When true, continue processing the next request in the collection even if a fault has been returned from processing the current request in the collection. When false, do not continue processing the next request.

ReturnResponses: When true, return responses from each message request processed. When false, do not return responses.

When false, the Responses collection will not be empty if errors are returned. If errors are returned, there will be one response item in the collection for each processed request that returned a fault and Fault will be set to the actual fault that occurred.

Box 3: No

Box 4: Yes

For example, in a request collection that contains six requests where the third and fifth request return faults, the following table indicates what the Responses collection would contain.

ContinueOnError=true, ReturnResponses=false: 2 response items: 2 have Fault set to a value.

Reference:

https://docs.microsoft.com/en-us/powerapps/developer/common-data-service/org- service/execute-multiple-requests

Question: 102

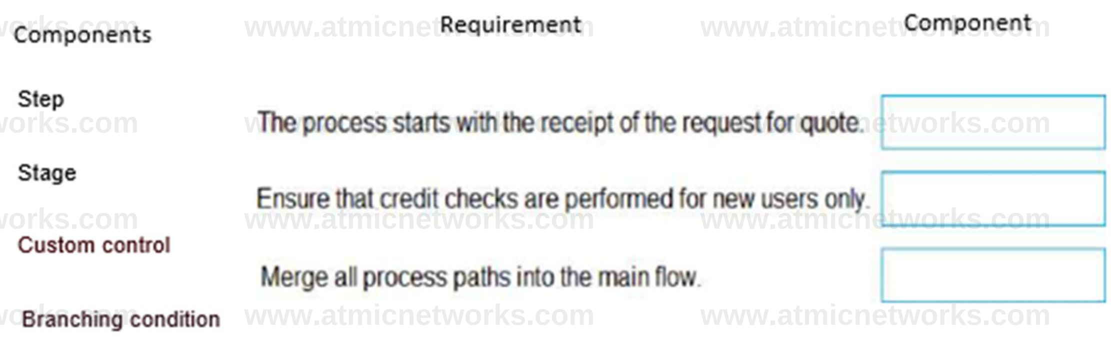
DRAG DROP

You are creating a business process flow for an organization's Request for Quote process.

You need to ensure that the business process flow meets the company's requirements.

Which components should you use? To answer, drag the appropriate components to the correct requirements. Each component may be used once, more than once, or not at all. You may need to drag the split bar between panes to scroll to view content. Select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.



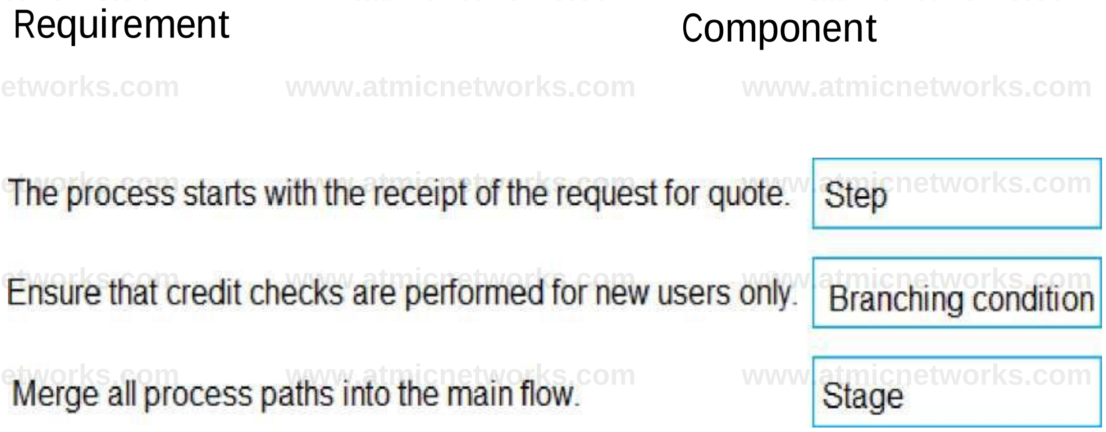
Components

- Step
- Stage
- Custom control
- Branching condition

Requirement	Component
The process starts with the receipt of the request for quote.	
Ensure that credit checks are performed for new users only.	
Merge all process paths into the main flow.	

Answer:

Explanation:



Requirement	Component
The process starts with the receipt of the request for quote.	Step
Ensure that credit checks are performed for new users only.	Branching condition
Merge all process paths into the main flow.	Stage

Box 1: Step

Each step represents a field where data can be entered Stages tell you where you are in the process, while steps are action items that lead to a desired outcome.

Box 2: Branching condition

You can enhance a business process flow with branching. If you have the create permissions on business process flows, you'll be able create business process flow with multiple branches by using the If-Else logic.

Box 3: Stage

Each stage contains a group of steps.

Incorrect Answers:

You can use custom controls to add rich visualizations (such as sliders, radial knobs, the LinkedIn control, and more) to business process flows steps and deliver engaging experiences to those who use your business process.

Reference:

https://docs.microsoft.com/en-us/power-automate/business-process-flows-overview

https://docs.microsoft.com/en-us/power-automate/enhance-business-process-flows-branching

Question: 103

HOTSPOT

A university manages grant applications using a model-driven app.

Users report that the message on the Grant Application screen is outdated. The screen shows the following:

Student Student A

Requested Amount S5 000 00

Grant Amount

The amount requested is above the maximum allowed

The grant will be a maximum of 1000

Approved No

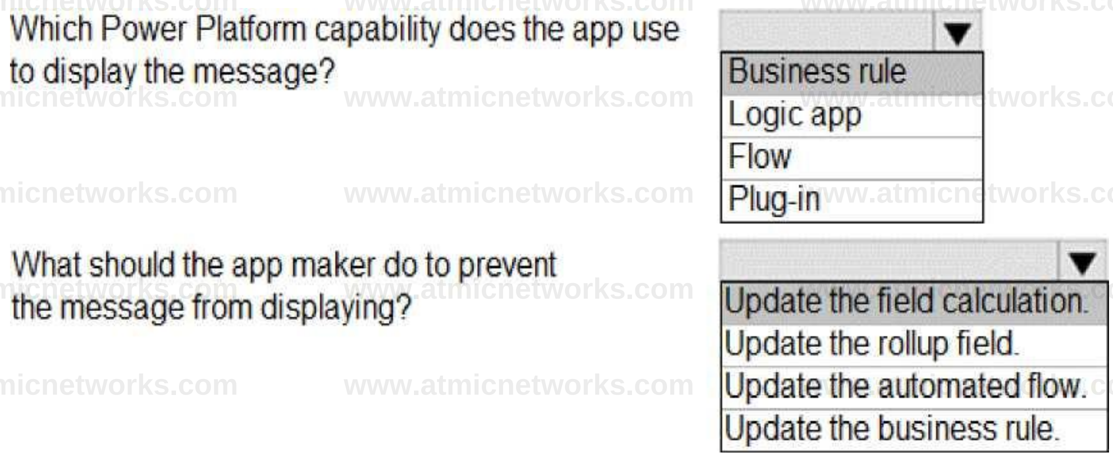
Use the drop-down menus to select the answer choice that answers each question based on the information presented in the graphic.

NOTE: Each correct selection is worth one point.

Which Power Platform capability does the app use to display the message?	Business rule Logic app Flow Plug-in
What should the app maker do to prevent the message from displaying?	Update the field calculation. Update the rollup field. Update the automated flow. Update the business rule.

Answer:

Explanation:



Which Power Platform capability does the app use to display the message?

- Business rule
- Logic app
- Flow
- Plug-in

What should the app maker do to prevent the message from displaying?

- Update the field calculation.
- Update the rollup field.
- Update the automated flow.
- Update the business rule.

Reference:
https://www.loganconsulting.com/blog/how-use-power-automate-trigger-workflows-microsoft-dynamics-crm/

Question: 104

A manufacturing company uses a Common Data Service (CDS) environment to manage their parts inventory across two warehouses modeled as business units and named WH1 and WH2.

Data from the two warehouses is processed separately for each part that has its inventory quantities updates.

The company must automate this process, pushing inventory updates from orders submitted to the warehouses.

You need to build the automation using Power Automate flows against the CDS database. You must achieve this goal by using the least amount of administrative effort.

Which flow or flows should you recommend?

A. Two automated flows with scope Business Unit, with triggers on Create/Update/Delete on orders.

B. Two automated flows with scope Business Unit, with triggers on Create/Update/Delete and each flow filtering updates from each business unit.

C. Two scheduled flows, each querying and updating the parts included in orders from each business unit.

D. One scheduled flow, querying the parts included in orders in both business units.

E. One automated flow, querying the orders in both business units.

F. Two scheduled flows, each querying the orders from each business unit.

G. Two automated flows with scope Organization, with triggers on Create/Update/Delete and filters on WH1 and WH2.

H. Two automated flow with scope Business Unit, with triggers on Create/Update/Delete on orders and filters on WH1 and WH2.

Answer: H

Explanation:

With the Common Data Service connector, you can create Power Automate flows that are initiated by create and update events within Dataverse. Additionally, you can perform create, update, retrieve, and delete actions on records within Dataverse.

You can use scopes to determine if your flow runs if you create a new record, if a new record is created by a user within your business unit, or if a new record is created by any user in your organization.

Reference:
https://docs.microsoft.com/en-us/power-automate/connection-cds

Question: 105

An organization implements Dynamics 365 Sales.
You need to trigger a business rule when the main form in saved.
What should you do?

A. Write a business rule to trigger on a change of ModifiedOnfield.
B. Set the scope of the business rule to one specificformwhere business rule triggers.
C. Set the scope of the businessrule to All Forms.
D. Set the scope of the business rule to Entity.

Answer: D

Explanation:

Set scope of business rule to "Entity" instead of "All Form". This will trigger it on server side. Reference:
https://docs.microsoft.com/en-us/previous-versions/dynamicscrm-2016/developers-guide/dn481574(v=crm.8)

Question: 106

A company implements Dynamics 365 Sales.
An email notification must be sent automatically to the sales manager when a business process completes.
You need to ensure that emails are sent.
What should you create on the process completed trigger?

A. a workflow
B. an action step
C. a data step
D. a Power Automate flow step

Answer: A

Explanation:

When you include a workflow that you want to trigger on Stage Exit of a stage in your business process flow, and that stage is the last stage in the flow, the designer gives the impression that the workflow will be triggered
when that stage is completed.

Reference:
https://docs.microsoft.com/en-us/dynamics365/customerengagement/on-premises/customize/businessprocess-flows-overview

Question: 107

HOTSPOT

A company has a model-driven app.

A custom button on a form calls a JavaScript function that validates form data fields and creates a web basket. The JavaScript function then displays a message to the user.

Users are located in the United States, which uses ISO Code 1033, and France, which uses ISO Code 1036.

Users in France report that the message displays in English.

You need to modify the RibbonDiffXml file to ensure that messages appear in the user’s language.

How should you complete the CommandDefinition node? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

```
<CommandDefinitions>
  <CommandDefiniion Id= "GenerateBasket.Command">
     <Actions>
       <JavaScriptFunction FunctionName=" generatebasket"
Library="$webresource:mb_/scripts/basket.js">
<                   ▼ Value="             w " />
```

CrmParameter	1033
IntParameter	1036
StringParameter	OrgLcid
	UserLcid

```
        </JavaScriptFunction>
       </Actions>
     </CommandDefinition >
  </CommandDefinitions>
```

Answer:

Explanation:

```
<CommandDefinitions>
  <CommandDefiniion Id= "GenerateBasket. Coinmand">
     <Actions>
       CJavaScriptFunction FunctionName=" generatebasket"
Library="$webresource:mb_/scripts/basket.js">
          <                ▼ Value="            ▼ " />
```

CrmParameter
IntParameter String
Parameter

1033 1036
OrgLcid
UserLcid

```
        </JavaScriptFunction>
       </Actions>
     </CommandDefinition>
  </CommandDefinitions>
```

Box 1: CrmParameter

In addition to data values, you can retrieve client context information by using <CrmParameter>. You can use the following options as the value for the CrmParameter element: OrgName, OrgLcid, and UserLcid.

Box 2: UserLcid

userLCID is the language code of the current user.

Note: A locale is a set of user preference information related to the user's language. The locale determines how dates, times, currencies, and numbers are formatted, how items are alphabetically sorted, and how strings are compared. The locale identifier (LCID) is a 32-bit value that uniquely defines a locale.

Reference:

https://docs.microsoft.com/en-us/dynamics365/customerengagement/on-premises/developer/customize-dev/pass-dynamics-365-data-page-parameter-ribbon-actions

Question: 108

HOTSPOT

A company has a model-driven app that captures applications from prospective students.

You are asked to create a new re-usable custom component using the Power Apps component framework (PCF).

The custom component must allow entry of a date of birth and validate that the applicant is not a minor.

You create the class AuditDatePicker in the TypeScript file Index.ts and the style sheet DatePicker.css.

You need to define the component to be available only for relevant fields and its properties when used in a form.

How should you complete the manifest? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

```
<?xml version= "1.0" encoding= "utf-8"?>
<manifest>
    <control namespace= "delegate" constructor=              ▼
                                                     Indexts
                                                     DatePicker.css
                                                     AuditDatePicker

  version= "1.0.0" display-name-key= "Date Picker" description-key= "Date of Birth Date
Picker that validates if a minor" control-type= "standard">
      <property name= "value" display-name-key= "Value" description-key= "Value" of-

       Enum                              bound
       DateandTime.DateandTime           input
       DateandTime.DateOnly
required= "true" />
      <resources>
           <code path= "Index.ts" order= "l"/>
               <css path= "css/DatePicker.css" order= "1" />
           </resources>
         </control>
      </manifest>
```

Answer:

Explanation:

```
<?xml version= "1.0" encoding= "utf-8"?>
<manifest>
    <control namespace= "delegate" constructor=              V
                                                     Indexts
                                                     DatePicker.css
                                                     AuditDatePicker

  version= "1.0.0" display-name-key= "Date Picker" description-key= "Date of Birth
Date Picker that validates if a minor" control-type= "standard">
      <property name= "value" display-name-key= "Value" description-key= "Value" of
type=                      ▼   usage=        ▼
      Enum                             bound
      DateandTime. DateandTi me        input
      DateandTime DateOnly
required= "true" />
      <resources>
           <code path= "Index.ts" order= "l"/>
               <css path= "css/DatePicker.css" order= "1" />
           </resources>
         </control>
      </manifest>
```

Box 1: AuditDatePicker
Constructor: Constructor of the code component.

Box 2:DateandTime.DateOnly
Box 3: bound

usage: Has two properties, bound and input. Bound properties are bound only to the value of the field. Input properties are either bound to a field or allow a static value.

Reference:

https://docs.microsoft.com/en-us/powerapps/developer/component-framework/manifest-schema-reference/manifest

https://docs.microsoft.com/en-us/powerapps/developer/component-framework/implementing-controls-using-typescript

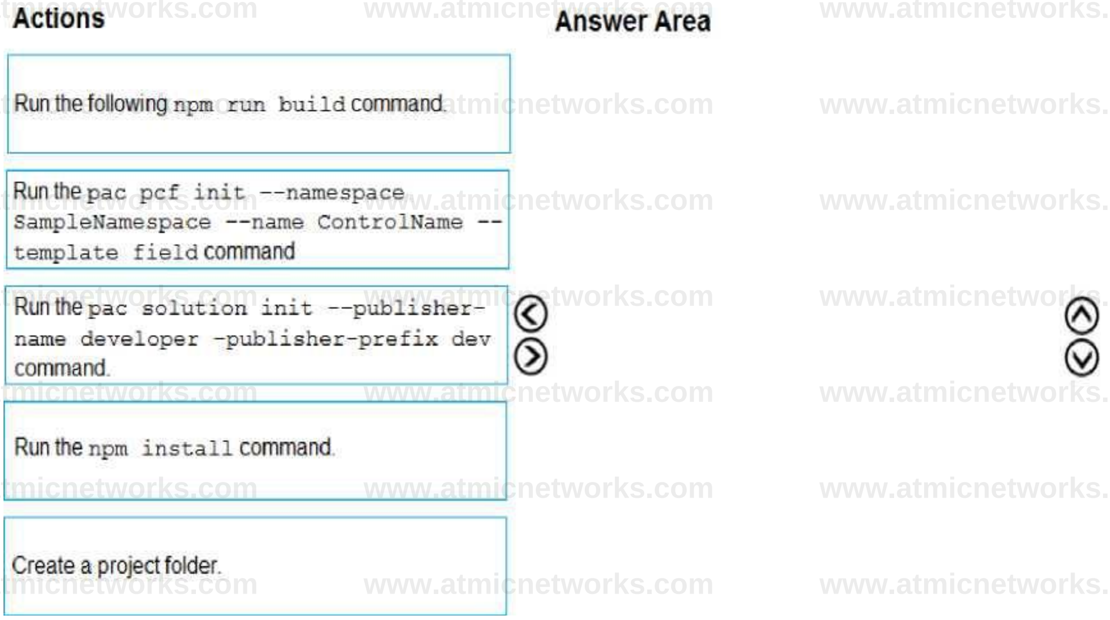
Question: 109

DRAG DROP

An organization has a Dynamics 365 Sales environment.

You need to create a Power Apps component.

Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.



Actions

Answer Area

- Run the following `npm run build` command.
- Run the `pac pcf init --namespace SampleNamespace --name ControlName --template field` command
- Run the `pac solution init --publisher-name developer -publisher-prefix dev` command.
- Run the `npm install` command.
- Create a project folder.

Answer:

Explanation:

Runthepac pcf in.it —namespace SampleNamespace —name ControlName — template field command

Run the npm install command.

Run the following npm run build command.

Step 1: Run pac pcf init –namespace ..

This is the first command which creates basic folder structure of PCF control project.

Run the following command to create the control. The format of the control is:

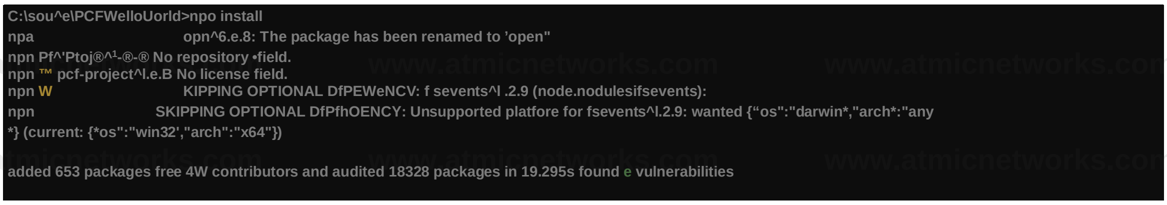
pac pcf init –namespace <specify your namespace here> –name <put component name here> –template <component type>

Step 2: Run the npm install command

Install Dependencies

Once ‘init’ sets up the basic folder, as a next step install all the PCF control dependencies using ‘npm install’ command.

Example:



```
C:\sou^e\PCFWelloUorld>npo install
npa                              opn^6.e.8: The package has been renamed to 'open"
npn Pf^'Ptoj®^1-®-® No repository •field.
npn ™ pcf-project^l.e.B No license field.
npn W                            KIPPING OPTIONAL DfPEWeNCV: f sevents^l .2.9 (node.nodulesifsevents):
npn                         SKIPPING OPTIONAL DfPfhOENCY: Unsupported platfore for fsevents^l.2.9: wanted {“os":"darwin*,"arch*:"any
*} (current: {*os":"win32',"arch":"x64"})

added 653 packages free 4W contributors and audited 18328 packages in 19.295s found e vulnerabilities
```

Now at this point, there is nothing we have actually created. However, the solution created contains sample PCF control code.

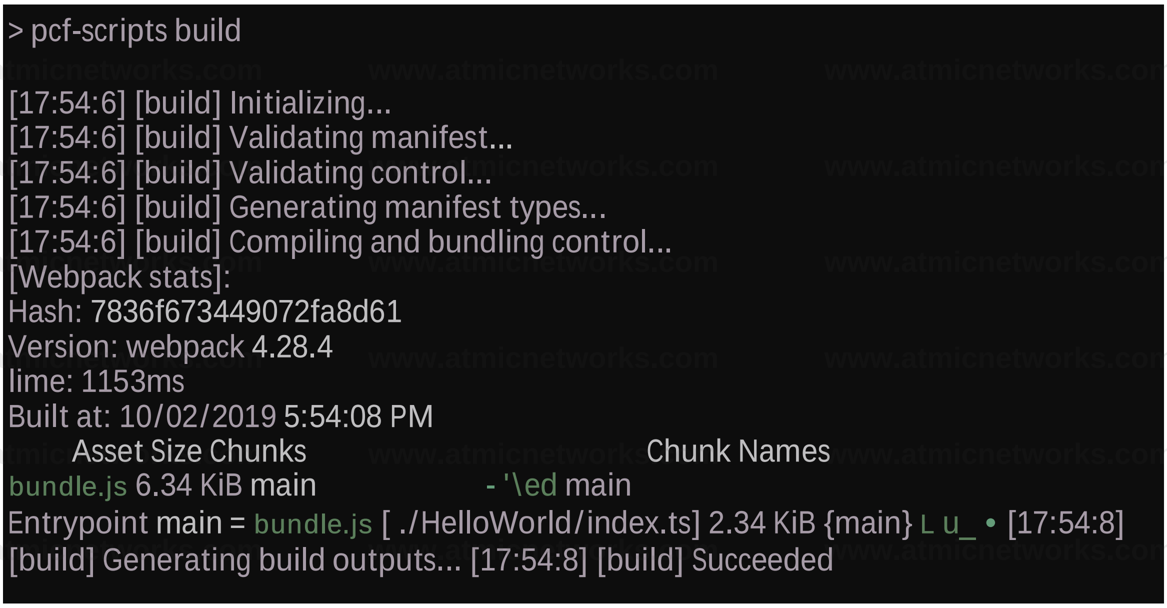
Step 3: Run the following np run build command

Build PCF Component.

Once you implement the PCF component, build the code for any syntax errors.

Syntax:

npm run build



```
> pcf-scripts build

[17:54:6] [build] Initializing...
[17:54:6] [build] Validating manifest...
[17:54:6] [build] Validating control...
[17:54:6] [build] Generating manifest types...
[17:54:6] [build] Compiling and bundling control...
[Webpack stats]:
Hash: 7836f673449072fa8d61
Version: webpack 4.28.4
lime: 1153ms
Built at: 10/02/2019 5:54:08 PM
      Asset Size Chunks                         Chunk Names
bundle.js 6.34 KiB main                    - '\ed main
Entrypoint main = bundle.js [ ./HelloWorld/index.ts] 2.34 KiB {main} L u_ • [17:54:8]
[build] Generating build outputs... [17:54:8] [build] Succeeded
```

Reference:

https://rajeevpentyala.com/2020/03/21/power-apps-component-framework-pcf-demystify/

https://carldesouza.com/creating-a-custom-component-using-the-powerapps-component- framework/

Question: 110

A company is creating a Power Apps portal to collaborate with vendors.

You need to implement custom functionality in the portal by using JavaScript code.

Which two portal entities can you use? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

A. Web pages
B. Web resources
C. Webforms
D. Entity lists

Answer: CD

Explanation:

C: The Web Form Step record contains a field named Custom JavaScript that can be used to store JavaScript code to allow you to extend or modify the form's visual display or function.

D: You can add custom Javascripts to Entity lists.

Reference:

https://docs.microsoft.com/en-us/powerapps/maker/portals/configure/add-custom-javascript

https://docs.microsoft.com/en-us/powerapps/maker/portals/configure/entity-lists#add-custom-javascript

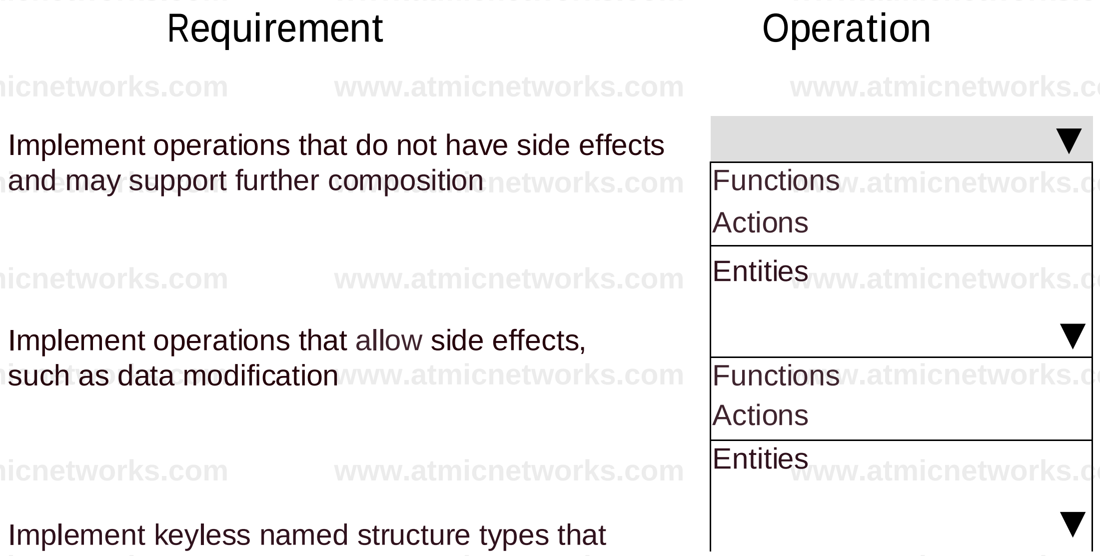
Question: 111

HOTSPOT

You need to develop a set of Web API's for a company.

What should you implement? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.



Requirement
Operation

Implement operations that do not have side effects and may support further composition
Functions
Actions
Entities

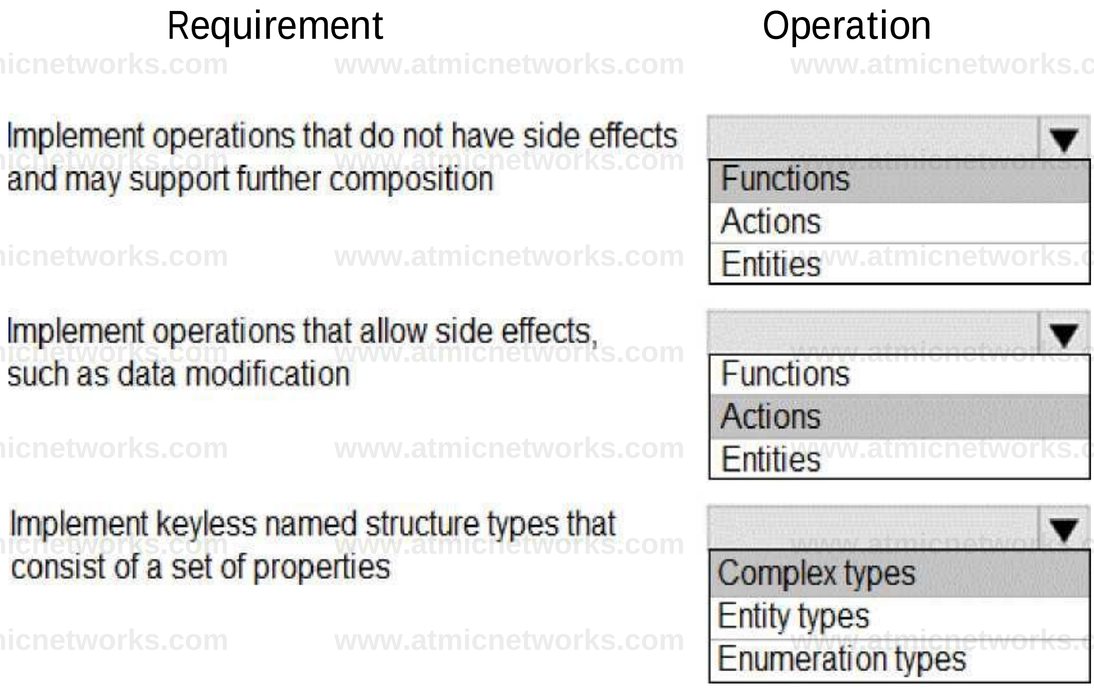
Implement operations that allow side effects, such as data modification
Functions
Actions
Entities

Implement keyless named structure types that consist of a set of properties

Complex types
Entity types
Enumeration types

Answer:

Explanation:



Requirement	Operation
Implement operations that do not have side effects and may support further composition	Functions Actions Entities
Implement operations that allow side effects, such as data modification	Functions Actions Entities
Implement keyless named structure types that consist of a set of properties	Complex types Entity types Enumeration types

Box 1: Functions

most functions and services that are stateless and do not have side effects.

Box 2: Actions

Actions can have side effects.

Box 3: Complex types

Reference:

https://docs.microsoft.com/en-us/powerapps/developer/common-data-service/webapi/use-web- api-actions

Question: 112

You are developing an app that uses Common Data Service.

You must integrate Common Data Service with a new web application. You must allow the new web application to display data from Common Data Service.

You build a single-page web application using the Web API.

You need to authenticate your app using OAuth.

What should you use?

A. Windows Communication Foundation (WCF)

B. Cross-Origin Resource Sharing (CORS)

C. Microsoft Authentication Library (MSAL)

D. Kerberos authentication

E. Active Directory Authentication Library (ADAL)

Answer: B

Explanation:

OAuth requires an identity provider for authentication. For Dataverse, the identity provider is Azure Active Directory (AAD). To authenticate with AAD using a Microsoft work or school account, use the Azure Active Directory Authentication Libraries (ADAL) or Microsoft Authentication Library (MSAL).
https://docs.microsoft.com/en-us/powerapps/developer/data-platform/authenticate-oauth

Question: 113

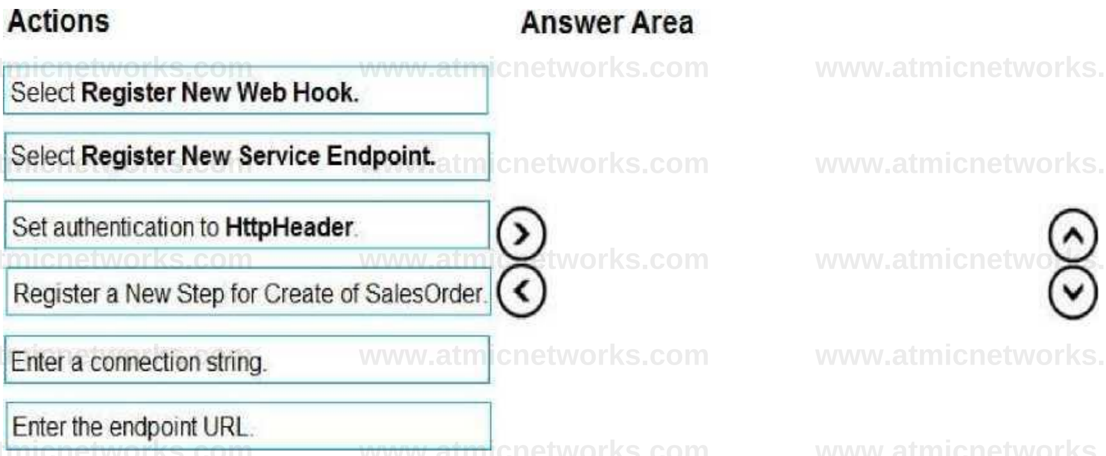
DRAG DROP

A company uses Dynamics 365 Sales.

Sales commission must be calculated when an order is placed. You create an Azure Function to perform the calculation. The Azure Function has an HTTP trigger.

You need to configure the Plug-in Registration tool to send data to the Azure Function when an order is placed. You open the Plug-in Registration tool and connect to Dynamics 365 Sales.

Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.



Actions

Select **Register New Web Hook.**

Select **Register New Service Endpoint.**

Set authentication to **HttpHeader**.

Register a New Step for Create of SalesOrder.

Enter a connection string.

Enter the endpoint URL.

Answer Area

Answer:

Explanation:

Select **Register New Web Hook.**

Enter the endpoint URL.

Register a New Step for Create of SalesOrder.

Step 1:SelectRegister New Web Hook.

Configure Dynamics 365 Sales to Call Your Webhook in Azure Functions

1. Open the Plug-in Registration Tool and connect to your organization.
2. Select Register->Register New Web Hook

[* Register

^. Register New Assembly Ctrl*A

[^ Register New Step Ctrl*T

3. Register New Image Ctrl-1

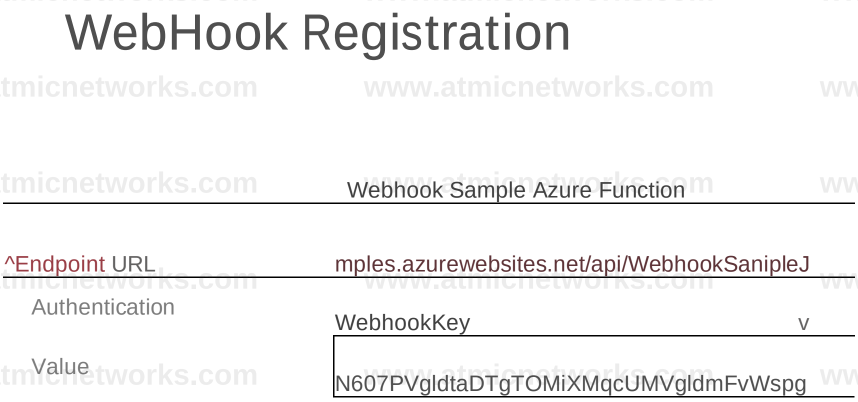
Q Register New Service Endpoint Ctrl-E

Q Register New Web Hook Ctrl-W

Co Register New Data Provider Ctrl-P

Step 2: Enter the endpoint URL

x



WebHook Registration

Webhook Sample Azure Function

^Endpoint URL mples.azurewebsites.net/api/WebhookSanipleJ

Authentication WebhookKey

Value N607PVgldtaDTgTOMiXMqcUMVgldmFvWspg

Step 3: Register a New Step for Create of SalesOrder.
Register a new webhook, and then tie that webhook to an event in Dynamics 365 Sales. Select your newly registered webhook, right-click it, and then choose "Register New Step."

Note that the webhook here is set to execute whenever a change to an account record is detected within Dynamics 365 Sales.

Reference:
https://docs.microsoft.com/en-us/powerapps/developer/common-data-service/tutorial-write-plug-in

Question: 114

A company needs to illustrate the relationships of the entities in Dynamics 365 Sales.
You need to select the appropriate tool to show this graphic.
Which tool should you select?
A. Metadata diagram
B. Sales Insights
C. Power Automate
D. Security model

Answer: A

Explanation:

Visual representation of metadata can be useful, especially when you are trying to describe the relationship between entities in the system. You can use the Metadata Diagram sample code provided for Dynamics 365 Customer Engagement (on-premises) to generate the entity relationship diagrams.

You can create a diagram that shows a relationship for just one entity, or a complex diagram that includes dozens of related entities, including custom and system entities.

Reference:
https://docs.microsoft.com/en-us/dynamics365/customerengagement/on-premises/developer/use-metadata-generate-entity-diagrams

Question: 115

A company uses five different shipping companies to deliver products to customers. Each shipping company has a separate service that quotes delivery fees for destination addresses.

You need to design a custom connector that retrieves the shipping fees from all the shipping companies by using their APIs.

Which three elements should you define for the custom connector? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

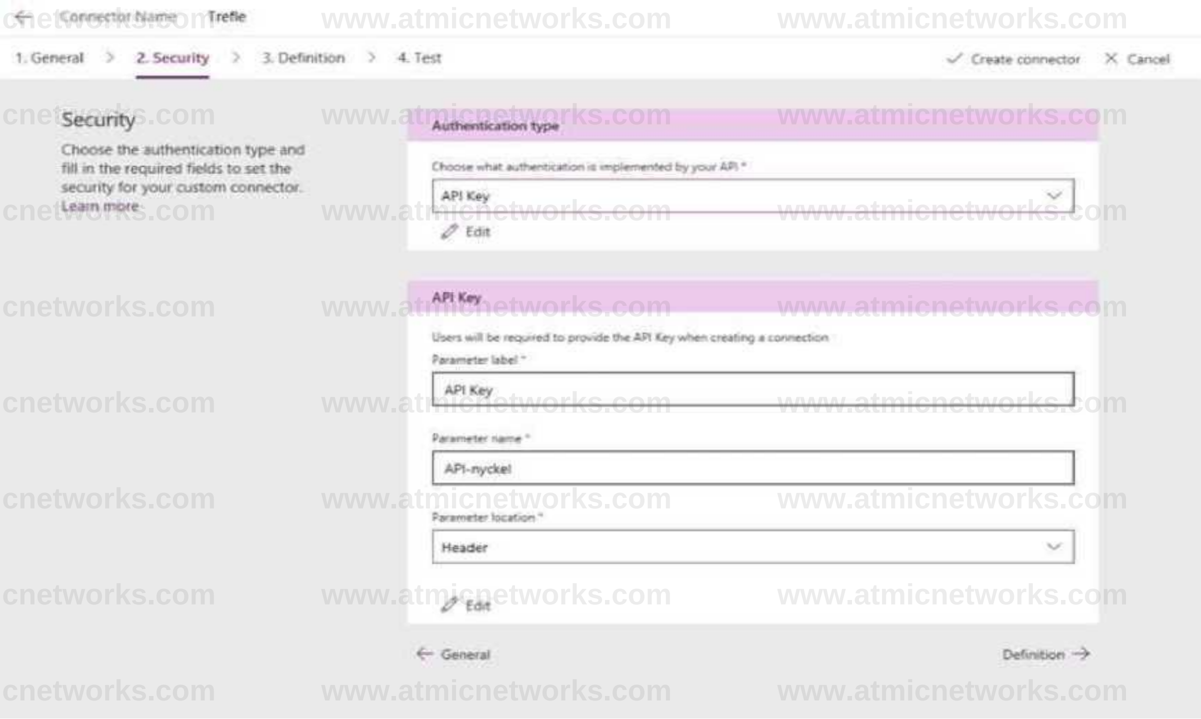
A. Authentication model
B. Address parameter
C. OpenAPI definition
D. Fee parameter
E. Fee reference

Answer: ABC

Explanation:

C: You can create a custom connector using a OpenAPI definition file or a URL to OpenAPI definition.

8: On the Security page you get to choose how to authenticate to the API.



Security

Choose the authentication type and fill in the required fields to set the security for your custom connector. Learn more

Authentication type

Choose what authentication is implemented by your API *: API Key

API Key

Users will be required to provide the API Key when creating a connection

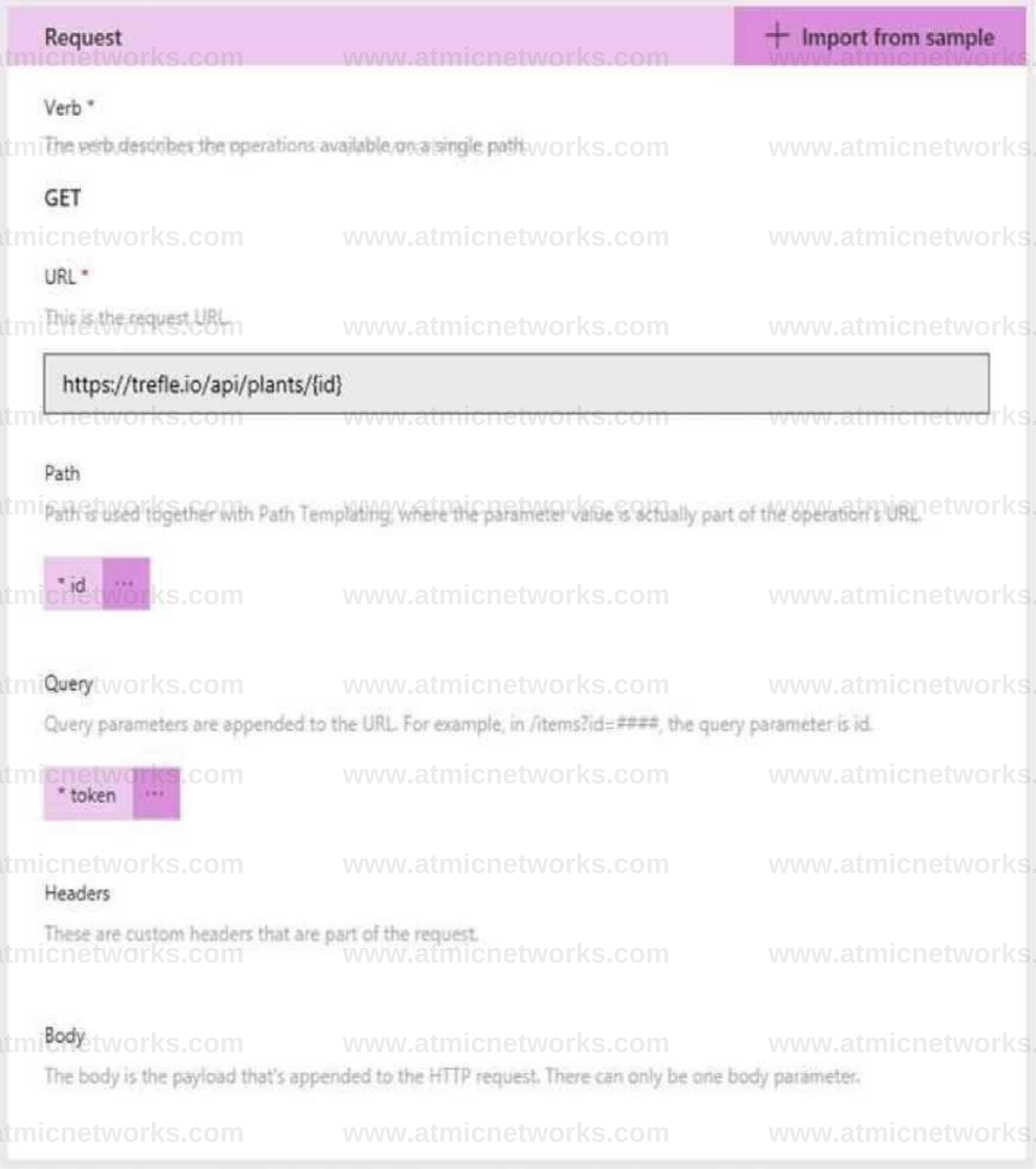
Parameter label *: API Key

Parameter name *: API-nyckel

Parameter location *: Header

9:

A: If you were to create a Custom Connector from scratch, then you whould have to study the API you have chosen and type in the URL manually here.



Request

Verb *

The verb describes the operations available on a single path

GET

URL *

This is the request URL.

https://trefle.io/api/plants/{id}

Path

Path is used together with Path Templating, where the parameter value is actually part of the operation's URL.

Query

Query parameters are appended to the URL. For example, in /items?id=####, the query parameter is id.

Headers

These are custom headers that are part of the request.

Body

The body is the payload that's appended to the HTTP request. There can only be one body parameter.

Reference:

https://carinaclaesson.com/2019/09/06/setting-up-a-custom-connector-from-an-openapi-file-and-utilizing-it-in-powerapps-and-flow/

Question: 116

You are creating a Power Apps app that retrieves customer information from Azure Active Directory when you use the app to look up a customer record.

You create an Azure Function by using JSON code to retrieve the customer information.

You need to make the application work.

Which two actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

A. Create a Power Automate flow to import data.

B. Create a custom connector that uses the Azure Function API.

C. Copy your JSON code to the app

of a set of properties

Complex types

Entity types

Enumeration types

Box 1: Functions

Box 2: Actions

Box 3: Complex types

Complex types are keyless named structured types consisting of a set of properties. Complex types are commonly used as property values in model entities, or as parameters or return values for operations.

Reference:

https://docs.microsoft.com/en-us/powerapps/developer/common-data-service/webapi/web-api- types-operations#complex-types

Create a custom connector that uses the JSON code.

D. Create an API definition for the Azure Function.

Answer: BE

Explanation:

E: Before exporting an API, you must describe the API using an OpenAPI definition.

8: This OpenAPI definition contains information about what operations are available in an API and how the request and response data for the API should be structured. PowerApps and Microsoft Flow can create custom connectors for any OpenAPI 2.0 definition.

Reference:

https://github.com/MicrosoftDocs/azure-docs/blob/master/articles/azure-functions/app-service- export-api-topowerapps-and-flow.md

Question: 117

HOTSPOT

A manufacturing company takes online orders.

The company requires automatic validation of order changes. Requirements are as follows:

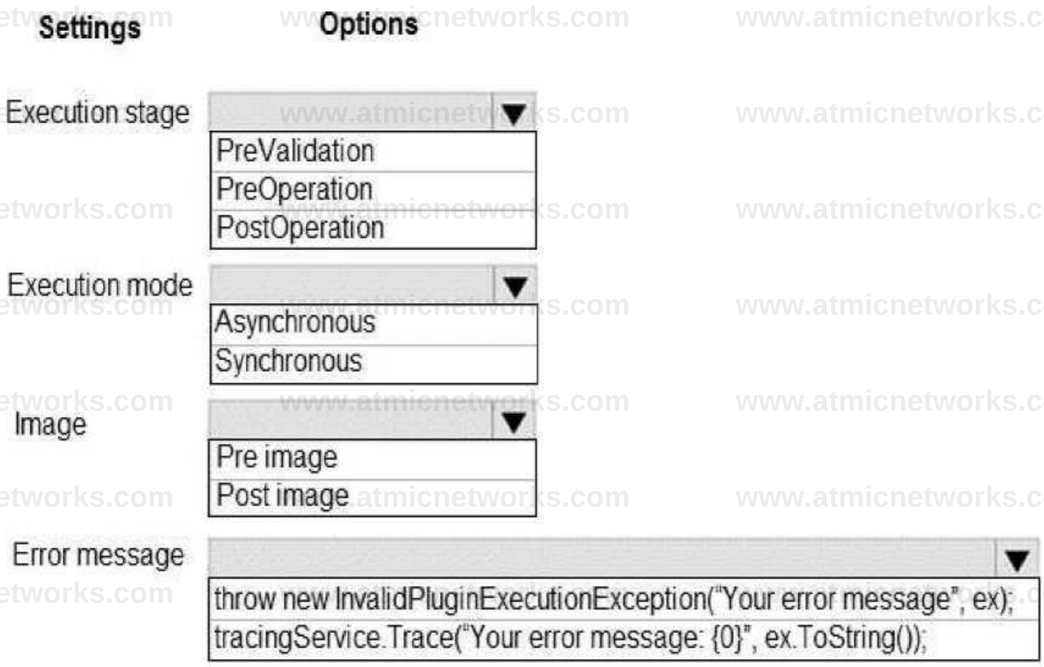
If validation is successful, the order is submitted.

If exceptions are encountered, a message must be shown to the customer.

You need to set up and deploy a plug-in that encapsulates the rules.

Which options should you use? To answer, select the appropriate options in the answer area.

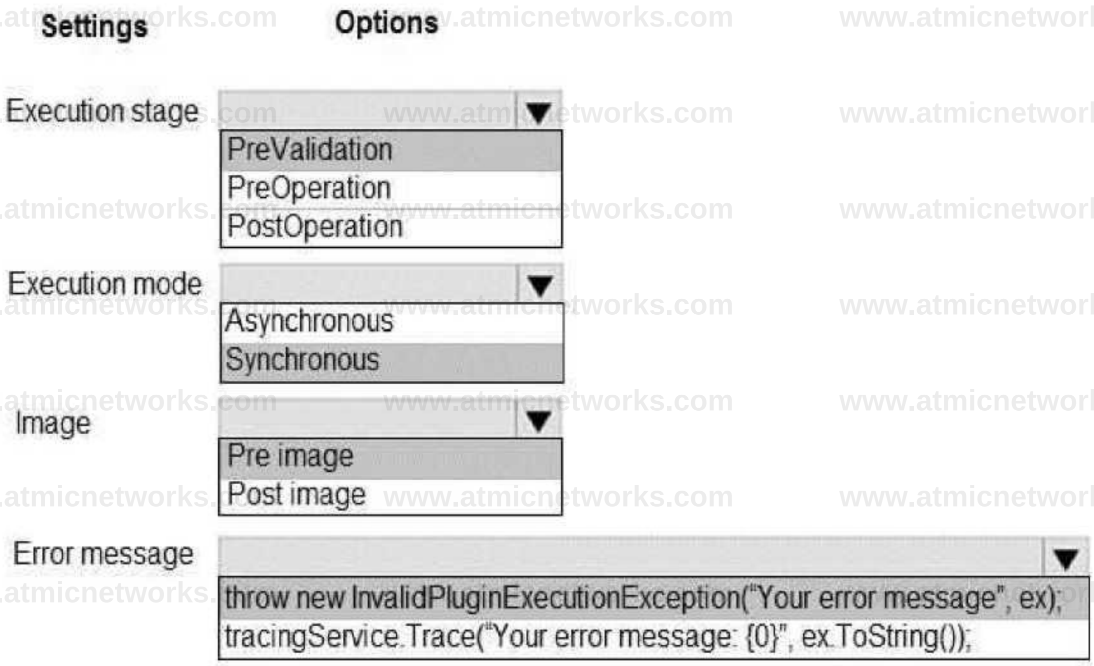
NOTE: Each correct selection is worth one point.



Settings	Options
Execution stage	PreValidation PreOperation PostOperation
Execution mode	Asynchronous Synchronous
Image	Pre image Post image
Error message	throw new InvalidPluginExecutionException("Your error message", ex); tracingService.Trace("Your error message: {0}", ex.ToString());

Answer:

Explanation:



Settings **Options**

Execution stage
- PreValidation
- PreOperation
- PostOperation

Execution mode
- Asynchronous
- Synchronous

Image
- Pre image
- Post image

Error message
- throw new InvalidPluginExecutionException("Your error message", ex);
- tracingService.Trace("Your error message: {0}", ex.ToString());

Box 1: PreValidation

PreValidation: For the initial operation, this stage will occur before the main system operation. This provides an opportunity to include logic to cancel the operation before the database transaction.

Box 2: Synchronous

Ideally, you should only cancel operations using synchronous plug-ins registered in the PreValidation stage.

Box 3: Pre Image

Box 4: throw ..

When you throw an InvalidPluginExecutionException exception within a synchronous plug-in an error dialog with your message will be displayed to the user.

Reference:

https://docs.microsoft.com/en-us/powerapps/developer/common-data-service/event-framework

https://docs.microsoft.com/en-us/powerapps/developer/common-data-service/handle-exceptions

Question: 118

You are creating an integration that uses an Azure function to create records in the Common Data Service when leads are submitted from your company website.

You create and configure a Common Data Service application user.

You do not have administrator access to the Common Data Service environment you are using for access to Azure Active Directory. Company policy dictates that service accounts must be used for integrations, and integrations must not be granted privileges beyond what is needed.

You need to recommend actions that an administrator should perform to configure access for the Azure Function.

Which three actions should you perform? Each correct selection presents part of the solution.

NOTE: Each correct selection is worth one point.

A. Create an application registration in Azure Active Directory.

B. Assign the system administrator security role to the application user.

C. Assign the Power Platform administrator role to the application user in Azure Active Directory.

D. Create a new security role with the minimum required permissions and assign to the application user.

E. Grant the application delegated permissions to the Dynamics CRM API in Azure Active Directory.

F. Deploy Azure B2B guest permissions to the application user.

Answer: ADE

Explanation:

Reference:

https://docs.microsoft.com/en-us/powerapps/developer/common-data-service/walkthrough- register-app-azureactive-directory

Question: 119

HOTSPOT

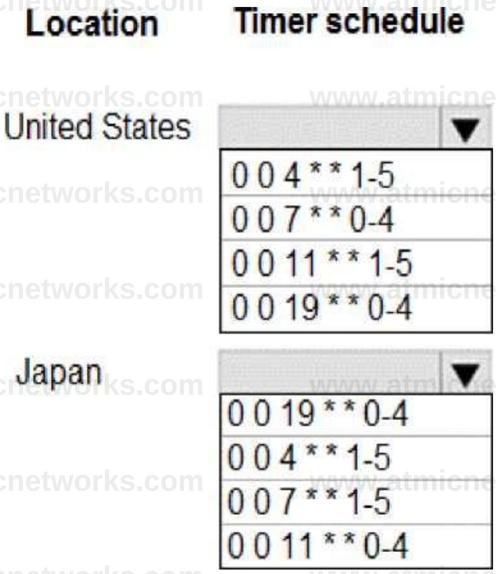
You work for a multinational company that has Azure and Common Data Service environment in the United States (UTC-7) and Japan (UTC+9).

You create Azure Functions for each location to update key data.

You need to configure the functions to run at 4:00 AM on weekdays at each location.

Which schedule formats should you use? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.



Location Timer schedule

United States

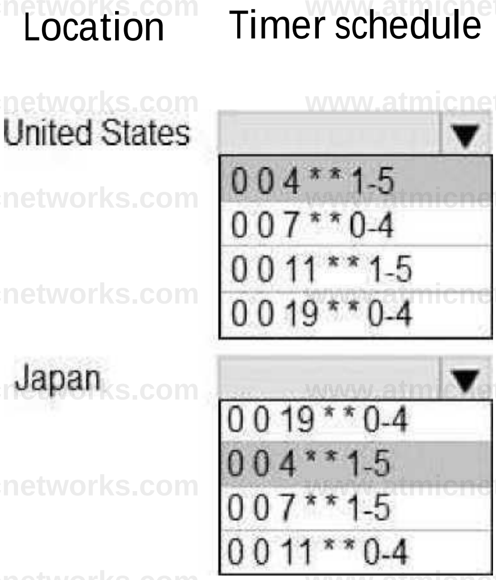
0 0 4 * * 1-5
0 0 7 * * 0-4
0 0 11 * * 1-5
0 0 19 * * 0-4

Japan

0 0 19 * * 0-4
0 0 4 * * 1-5
0 0 7 * * 1-5
0 0 11 * * 0-4

Answer:

Explanation:



Location Timer schedule

United States

0 0 4 * * 1-5
0 0 7 * * 0-4
0 0 11 * * 1-5
0 0 19 * * 0-4

Japan

0 0 19 * * 0-4
0 0 4 * * 1-5
0 0 7 * * 1-5
0 0 11 * * 0-4

Box 1: 0 0 4 * * 1-5

Azure Functions uses the NCronTab library to interpret NCRONTAB expressions.

An NCRONTAB expression is similar to a CRON expression except that it includes an additional sixth field at the beginning to use for time precision in seconds:

{second} {minute} {hour} {day} {month} {day-of-week}

NCRONTAB time zones

The numbers in a CRON expression refer to a time and date, not a time span. For example, a 5 in the hour field refers to 5:00 AM, not every 5 hours.

The default time zone used with the CRON expressions is Coordinated Universal Time (UTC).

To have your CRON expression based on another time zone, create an app setting for your function app named WEBSITE_TIME_ZONE.

1-5 is weekdays

Box 2: 0 0 4 * * 1-5

Reference:
https://docs.microsoft.com/en-us/azure/azure-functions/functions-bindings-timer?

Question: 120

HOTSPOT

A company must copy customer account data changes from a Common Data Service (CDS) instance into an external system.

Azure Storage Queues are used to pass the changes from CDS to the external system.

You have the following code. (Line numbers are included for reference only.)

```
01 string token = null;
02 token = ProcessAccountChanges(_service, token, changeQueue, deleteQueue);
03 ...
04 token = ProcessAccountChanges(_service, token, changeQueue, deleteQueue);
OS .,
06 private static string ProcessAccountChanges(::? anizationService orgservice, string token,
Cloud Queue changeQueue, '-cudQueue deleteQueue)
07 1
08 var request = new RetrieveEntityChangeRertest();
09 request.EntityName = "account";
10   request.Columns = new ColumnSet("name", "accountnumber", "creditlimit", "ownerid");
11   request.DataVersion = token;
12   RetrieveEntityChangeRespor.se response = (RetrieveEntityChangeRespor.se)
orgservice.Execute(request) ;
13   token = response.Entitychanges.DataToken;
14   foreach (var change in response.Entitychanges.Changes)
15   {
16 if (change.Type = ChangeType.NewOrUpdated)
17   (
18 var changedltem = (NewOrUpdatedltem)change;
19 Ei.tity newOrChangedEntity = (E.-.i.iy) changedltem.NewOrUpdatedEntity;
20 CloudQueueNessage changemessage = new Clou jQueueXessa go
(newOrChangedEntity.Id.ToString());
21 changeQueue.AddMessage(changemessage);
22   }
23 else if (change.Type = ChangeType.RemoveOrDeleted)
24   (
25   var deleteditem = (RemoveOrDeletedltem) change;
26   Eritity~:r;:i : deletedEntityReference = deleteditem.Removedltem;
27   Cl; :aQueuc"osaag- deletemessage = new ClcudQueueMesaage
(deletedEntityReference.Id.ToString());
28   deleteQueue.AddMesaage(deletemessage);
29       )
30 )
31 return token;
32 }
```

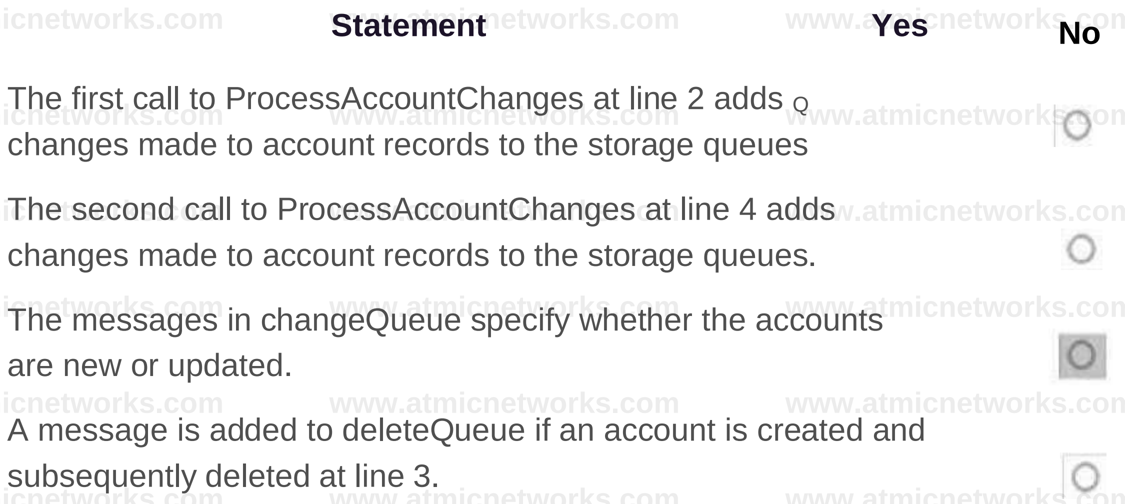
For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Statement	Yes	No
The first call to ProcessAccountChanges at line 2 adds changes made to account records to the storage queues.	n	n
The second call to ProcessAccountChanges at line 4 adds changes made to account records to the storage queues		
The messages in changeQueue specify whether the accounts are new or updated		
A message is added to deleteQueue if an account is created and subsequently deleted at line 3.		

Answer:

Explanation:



Statement	Yes	No
The first call to ProcessAccountChanges at line 2 adds Q changes made to account records to the storage queues		○
The second call to ProcessAccountChanges at line 4 adds changes made to account records to the storage queues.		○
The messages in changeQueue specify whether the accounts are new or updated.		●
A message is added to deleteQueue if an account is created and subsequently deleted at line 3.		○

Box 1: Yes

Box 2: Yes

Box 3: No
Either new/updated or removed/deleted.

Box 4: Yes

Question: 121

HOTSPOT

A company updates their client contact information periodically. The contact entity has alternate keys defined.

You have the following code. (Line numbers are included for reference only.)

```
Entity contact = new Entity()
{
LogicalName = "contact",
KeyAttributes =
   {
   {"lastname", "Smith"},
   {"clientnumber'', "abcl23"}
   }
b
contact["lastname"} = "Doe";
 UpsertRequest updcontact = new UpsertRequest {};
 {
 Target = contact;
 }
 UpsertResp:T.se response = ( UpsertRespcns^ )service.Execute(updcontact)
```

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Statement	Yes	No
If the last name is an alternate key and there are no contacts with the last name Smith, the stored value of the last name is Smith		
If the client number is an alternate key and the client number exists, the stored value of the last name is Smith		
If the last name is an alternate key and there are people who have the last name Smith, the stored value of the last name is Smith		
If the client number is an alternate key and the client number does not exist, the stored value of the last name is Smith.		

Answer:

Explanation:

Statement	Yes No
If the last name is an alternate key and there are no contacts with the last name Smith, the stored value of the last name is Smith	o

If the client number is an alternate key and the client number exists, the stored value of the last name is Smith

If the last name is an alternate key and there are people who have the last name Smith, the stored value of the last name is Smith

If the client number is an alternate key and the client number does not exist, the stored value of the last name is Smith

Reference:
https://docs.microsoft.com/en-us/powerapps/developer/common-data-service/use-alternate-key- create-record

Question: 122

HOTSPOT

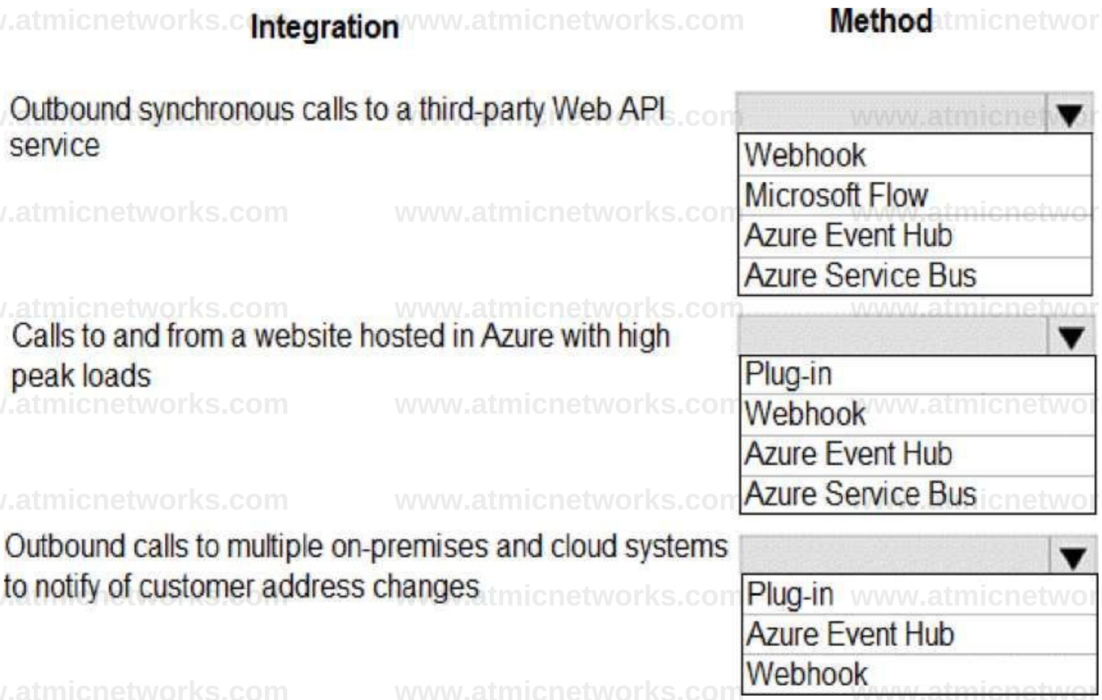
A company is building a new model-driven app.

The app must integrate with a number of on-premises and cloud solutions. No VPNs are in place.

You need to determine the method for each integration.

Which methods should you use? To answer, select the appropriate options in the answer area.

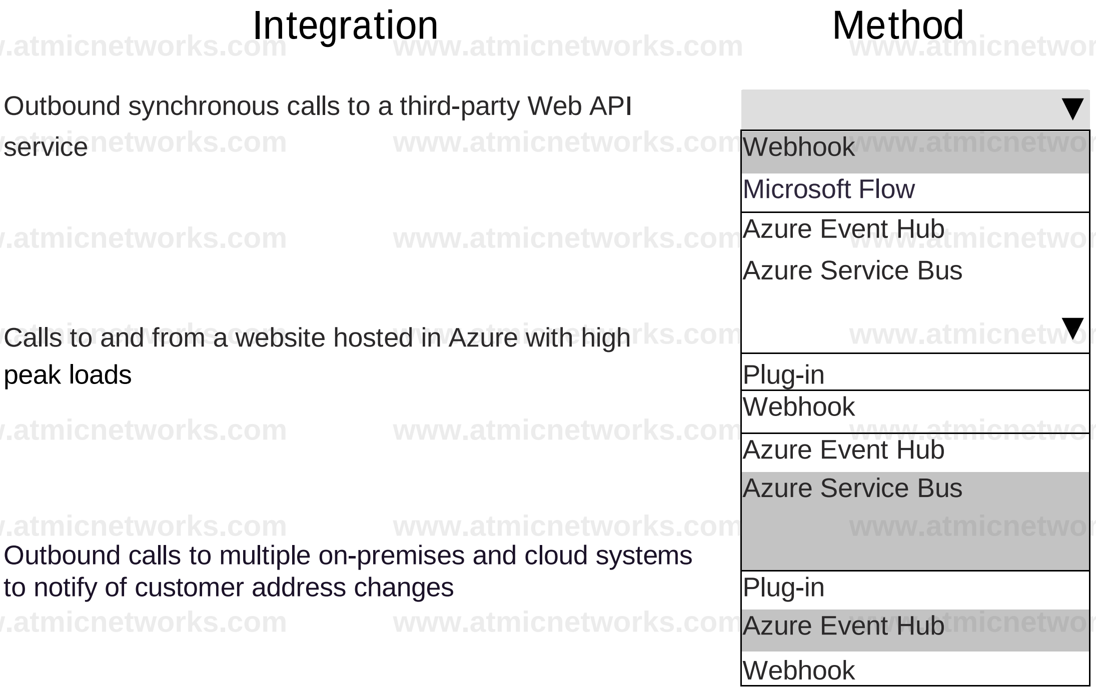
NOTE: Each correct selection is worth one point.



Integration	Method
Outbound synchronous calls to a third-party Web API service	Webhook Microsoft Flow Azure Event Hub Azure Service Bus
Calls to and from a website hosted in Azure with high peak loads	Plug-in Webhook Azure Event Hub Azure Service Bus
Outbound calls to multiple on-premises and cloud systems to notify of customer address changes	Plug-in Azure Event Hub Webhook

Answer:

Explanation:



Integration	Method
Outbound synchronous calls to a third-party Web API service	Webhook Microsoft Flow Azure Event Hub Azure Service Bus
Calls to and from a website hosted in Azure with high peak loads	Plug-in Webhook Azure Event Hub Azure Service Bus
Outbound calls to multiple on-premises and cloud systems to notify of customer address changes	Plug-in Azure Event Hub Webhook

Box 1: Webhook

With Dataverse, you can send data about events that occur on the service to a web app by using webhooks. A webhook is a lightweight HTTP pattern for connecting web APIs and services with a publish-and-subscribe model. Webhook senders notify receivers about events by making requests to receiver endpoints with some information about the events.

Webhooks enable developers and ISVs to integrate Dataverse data with their own custom code

hosted on external services.

Box 2: Azure Service Bus

Service Bus provides a secure and reliable communication channel between Dataverse runtime data and external, cloud-based line-of-business apps. This capability is especially useful in keeping disparate Dataverse systems or other Dataverse servers synchronized with business data changes.

Box 3: Azure Event hub

Azure Event Hubs is a big data streaming platform and event ingestion service. It can receive and process millions of events per second. Data sent to an event hub can be transformed and stored by using any real-time analytics provider or batching/storage adapters.

Note: The most popular approaches in Dataverse involve webhooks, Azure messaging (Service Bus, Event Hubs), Azure Logic Apps, or Power Automate.

Reference:

https://docs.microsoft.com/en-us/powerapps/maker/common-data-service/why-cds-any-type-app

Question: 123

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than once correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You are designing a one-way integration from the Common Data Service to another system.

You must use an Azure Function to update the other system. The integration must send only newly created records to the other system. The solution must support scenarios where a component of the integration is unavailable for more than a few seconds to avoid data loss.

You need to design the integration solution.

Solution: Register a webhook in the Common Data Service that connects to the Azure Function.

Register a step on the webhook which runs synchronously on the record's Create message and in the post-operation stage.

Does the solution meet the goal?

A. Yes

B. No

Answer: B

Explanation:

Instead use asynchronous communication.

Question: 124

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than once correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You are designing a one-way integration from the Common Data Service to another system.

You must use an Azure Function to update the other system. The integration must send only newly created records to the other system. The solution must support scenarios where a component of the integration is unavailable for more than a few seconds to avoid data loss.

You need to design the integration solution.

Solution: Register a service endpoint in the Common Data Service that connects to an Azure Service Bus queue.

Register a step at the endpoint which runs asynchronously on the record's Create message and in the portoperation stage.

Configure the Azure Function to process records as they are added to the queue.

Does the solution meet the goal?

A. Yes

B. No

Answer: A

Explanation:

Microsoft Dataverse supports integration with Azure.
For the Dataverse and Azure connection to work, there must be at least one solution in an Azure Service Bus solution account, where the solution contains one or more service endpoints.
For a queue endpoint contract, a listener doesn't have to be actively listening.

Reference:
https://docs.microsoft.com/en-us/powerapps/developer/common-data-service/azure-integration

Question: 125

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than once correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You are designing a one-way integration from the Common Data Service to another system.
You must use an Azure Function to update the other system. The integration must send only newly created records to the other system. The solution must support scenarios where a component of the integration is unavailable for more than a few seconds to avoid data loss.

You need to design the integration solution.

Solution: Configure the Azure Function with a timer trigger that runs every five minutes. The function will query the Common Data Service and process records created in the last five minutes.
Does the solution meet the goal?

A. Yes

B. No

Answer: B

Explanation:
Instead use Azure Service Bus queue solution with asynchronous communication.

Reference:
https://docs.microsoft.com/en-us/powerapps/developer/common-data-service/azure-integration

Question: 126

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution. Determine whether the solution meets the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

A university has implemented Dynamics 365 Customer Engagement. Several departments use opportunity records to bid for funding for projects within their own departments.

Each department's opportunities are not visible to other departments. However, there are times when two departments need to work together on an opportunity.

You need to configure the security to meet the business requirements.

Solution: Use access team templates and give access to members in the two departments.

Does the solution meet the goal?

A. Yes

B. No

Answer: A

Explanation:

Access Team template

The privileges assigned to the access team through Access Team Templates. Access Team template allows you to create a template for the entities on which “Access Teams” option is enabled. You can grant or restrict access to the entity records through “Access Rights”. Essentially, this is like a recordbased security model on an entity record for specific users.

Once the access team template is created and added to the entity form, you can start adding users. For example, on an opportunity record add a new user in the Access Team Template sub-grid.

Reference:

[https://community.dynamics.com/crm/b/crmdevmigrationconfigandcustomization/posts/access- teams-and-access-team-templates](https://community.dynamics.com/crm/b/crmdevmigrationconfigandcustomization/posts/access-teams-and-access-team-templates)

Question: 127

A university has implemented Dynamic 365 Sales. Several department use opportunity records to bid

for funding for project within their departments.

Each department’s opportunities are not visible to other departments. However, there are times two departments needs to work together on an opportunity.

You need to configure the security to meet the business requirements.

Solution: Use position hierarchy security and define the two departments as positions.

Does the solution meet the goal?

A. Yes

B. No

Answer: A

Explanation:

Two security models can be used for hierarchies, the Manager hierarchy and the Position hierarchy. The Position hierarchy allows data access across business units. If you are a financial organization, you may prefer the Manager hierarchy model, to prevent managers’ accessing data outside of their business units. However, if you are a part of a customer service organization and want the managers to access service cases handled in different business units, the Position hierarchy may work better for you.

Note: The hierarchy security model is an extension to the existing security models that use business units, security roles, sharing, and teams. It can be used in conjunction with all other existing security models. The hierarchy security offers a more granular access to records for an organization and helps to bring the maintenance costs down.

Reference:
https://docs.microsoft.com/en-us/power-platform/admin/hierarchy-security

Question: 128

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution. Determine whether the solution meets the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

A university has implemented Dynamics 365 Customer Engagement. Several departments use opportunity records to bid for funding for projects within their own departments.

Each department's opportunities are not visible to other departments. However, there are times when two departments need to work together on an opportunity.

You need to configure the security to meet the business requirements.

Solution: Create a security role that has organization-level access to opportunities. Give this security role to all members of the two departments who need access.

Does the solution meet the goal?

A. Yes
B. No

Answer: B

Explanation:

Instead use access team templates and give access to members in the two departments.

Reference:
https://community.dynamics.com/crm/b/crmdevmigrationconfigandcustomization/posts/access- teams-and-access-team-templates

Question: 129

A company implementsDynamics 365 Customer Service. The company deploys synchronous plug-ins for the PreOperation and PostOperation stages on create and for the PostOperation stage on update for processing different case type.

Users experience errors when updating cases. The plug-in trace log files show that the PosOperation plug-in update of case times out after two minutes.

You perform basic testing and discover that this plug-in is triggered on every update of a case. You examine the code and discover that the plug-in retrieves all columns for the updated case record performing its work.

You need to reduce the number of errors. You need to achieve this goal with the test amount of changes.

Solution: In the Plug-in Registration tool, update the plug-in step and increase the Execution Order. Does the solution meet the goal?

A. Yes

B. No

Answer: B

Explanation:

Question: 130

A company implementsDynamics 365 Customer Service. The company deploys synchronous plug-ins for the PreOperation and PostOperation stages on create and for the PostOperation stage on update for processing different case type.

Users experience errors when updating cases. The plug-in trace log files show that the PostOperation plug-in update of case times out after two minutes.

You perform basic testing and discover that this plug-in is triggered on every update of a case. You examine the code and discover that the plug-in retrieves all columns for the updated case record performing its work.

You need to reduce the number of errors. You need to achieve this goal with the test amount of changes.

Solution:

* In the Plug-in Registration tool, add a post Image to the plug-in step and include the Fields that the plug-in needs.

* Remove the retrieves statement from the plug-in code and reference the post image. Does the solution meet the goal?

A. Yes

C. No

Answer: A

Explanation:

Question: 131

A company implementsDynamics 365 Customer Service. The company deploys synchronous plug-ins for the PreOperation and PostOperation stages on create and for the PostOperation stage on update for processing different case type.

Users experience errors when updating cases. The plug-in trace log files show that the PostOperation plug-in update of case times out after two minutes.

You perform basic testing and discover that this plug-in is triggered on every update of a case. You examine the code and discover that the plug-in retrieves all columns for the updated case record performing its work.

You need to reduce the number of errors. You need to achieve this goal with the test amount of changes.

Solution: In the Plug-in Registration tool, set filtering attributes on the plug-in to only Case Type filed. Does the solution meet the goal?

A. Yes

B. No

Answer: B

Explanation:

Question: 132

A client requires that the system send an email from a button on their customer contact form.

You need to call the action from JavaScript.

Which two functions achieve this result? Each correct presents a complete solution.

NOTE: Each correct selection is worth one point.

A. Xrm.WebApi.online.createRecord()

B. Xrm.WebApi.online.updateRecord()

C. Xrm.WebApi.online.execute()

D. Xrm.WebApi.online.executeMultiple()

Answer: A, D

Explanation:

Xrm.WebApi.online.executeMultiple executes a collection of action, function, or CRUD operations.

Xrm.WebApi.online.execute executes a single action, function, or CRUD operation.

Reference:

https://docs.microsoft.com/en-us/powerapps/developer/model-driven-apps/clientapi/reference/xrm-webapi/online/executemultiple

https://docs.microsoft.com/en-us/powerapps/developer/model-driven-apps/clientapi/reference/xrm-webapi/online/execute

Question: 133

An organization has a Dynamics 365 Customer Engagement.

You plan to use a JavaScript web resources file in the Accounts form. The file has a dependency on two image web resource files and on the custom field new_placeofbirth in the Account entity.

You need to add the dependencies for the JavaScript file.

Which three action should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

A. From Web Resources, select the JavaScript file for the Account form and then select the JavaScript file.

B. Open the web resources file, add the two image web resources to the dependency's lists, and then add the custom field new_placeofbirth to the dependency's list.

C. In the Account form, select Form Properties, select Non-Event Dependencies, and then add the custom field new_placeofbirth.

D. In the Account form, select Form Properties and add the primary JavaScript file and the other two image web resources in Form Libraries.

E. From Settings, select Customization and then select Customize the System.

F. Select Account, select Forms, and then select the Account form.

Answer: CEF

Explanation:

https://docs.microsoft.com/en-us/dynamics365/customerengagement/on-premises/developer/web-resource-dependencies

Question: 134

You have the following code:

```
Xrm.WebApi.createRecord("account", data).then(
       function success(result) {
             console.log("Success");

       function (error) {
             console.log(error.message);

);
```

You have a contact record that uses the GUID 2CFB1599-DEAD-425F-AB4A-76E6CAB51B09.

You need to assign the contact record as the primary contact for an account when you create the account.

Which two code segments can you use? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

A. van data =

```
        {
            "name": "Contoso account",
            "primarycontactidgodata.context": "/contacts(2CFB1599-DEAD-425F-AB4A-76E6CAB51B09)" h
```

B van data =

```
        {
            "name": "Contoso account",
            "primarycontactid":
            {
                 "logicalname": "contact", "id": "2CFB1599-DEAD-425F-AB4A-76E6CA851B09"
```

C. van data =

```
            "name": "Contoso account",
            "primarycontactidgodata.bind": "/contacts(2CFB1599-DEAD-425F-A84A-76E6CAB51899)" h
```

D van data =

```
            "name": "Contoso account",
            "primarycontactid": "/contacts(2CFB1599-DEAD-425F-AB4A-76E6CAB51B09)" };
```

A. Option A

B. Option B

C. Option C

D. Option D

Answer: BC

Explanation:

Question: 135

A multinational company requires that all phone numbers be standardized as country code + area code + phone number.

The application design team decides that a custom PowerApps component framework (PCF) control should be used to prompt users for an area code and correctly format the phone number.

You need to get the list of valid area codes when a contact record is opened and before the user enters a new phone number.

In which function should you call webAPI.retrieveMultipleRecords?

A. notifyOutputChanged
B. init
C. getOutputs
D. updateView

Answer: D

Explanation:

The updateView method will be called when any value in the property bag has changed. This includes field values, data-sets, global values such as container height and width, ofline status, component metadata values such as label, visible, etc.
Set the value of the field component to the raw value from the configured field.

Note: webAPI.retrieveMultipleRecords retrieves a collection of entity records.

Reference:
https://docs.microsoft.com/en-us/powerapps/developer/component-framework/reference/control/updateview

Question: 136

HOTSPOT

You have the following JavaScript function: (Line numbers are included for reference only.)

```
function displayIconTooltip(rovCata, userLCID)
{
    van  imgName =
    van  tooltip = “Relationship Health";
    van  str = JSON.parse(rowOata);
    var  prevrev = str.new_previousyearannualrevenue_Value;
    var  rev = str.revenue_Value;
    var  health = parseFloat(rev) - parseFloat(prevrev);
    if (health > 0)
        imgName = "newgood";
    else if (health == 0)
        imgName = "new_warm";
    else
        imgName = “new_bad";
    var resultarray = [imgName, tooltip];
    return resultarray;
```

The Annual Revenue view column is configured to call the function as shown in the Column Properties exhibit. (Click the Change Column Properties tab.)

Change Column Properties *

The properties of the selected column are listed below You can change the width in pixels of the column

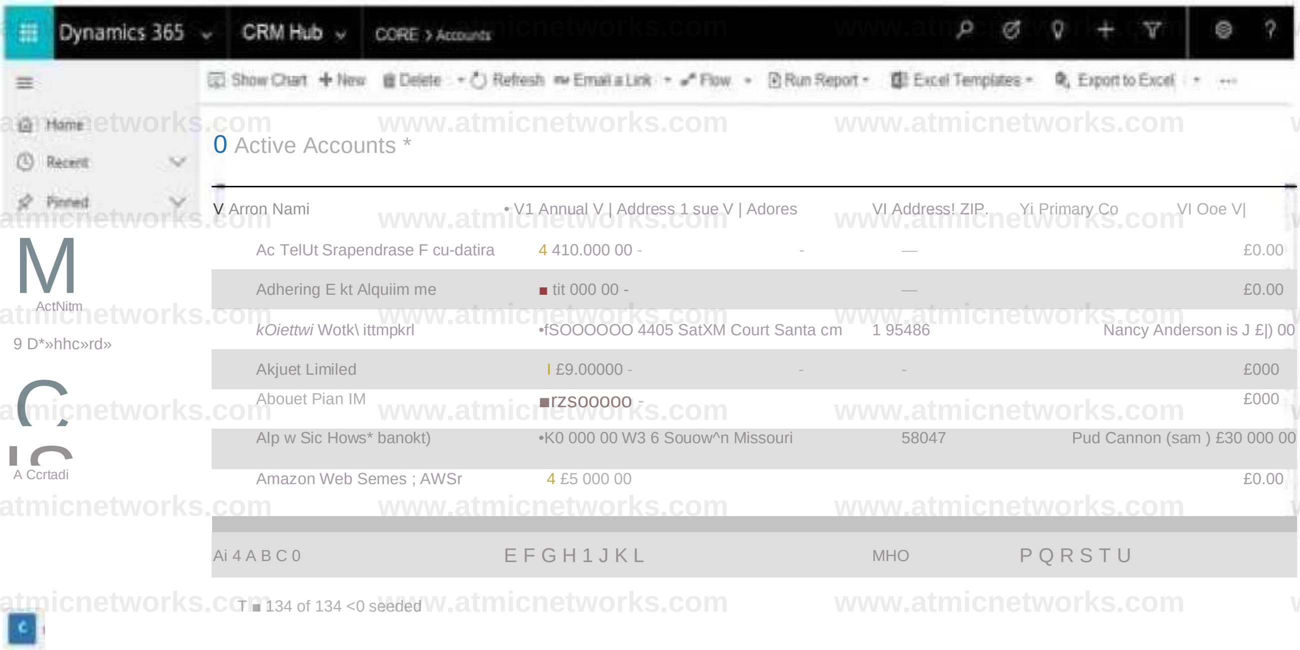
Entity Name:	Account
Column Title:	Annual Revenue
Data Type:	Currency
Name	revenue
Web Resource	^ newJscnpt/revdisplayIconjs $
Function Name:	displayIconTooltip

Select a width for this column:

○ 25px ○ 50px ○ 75px ○ 100px ○ 125px ○ 150px ○ 200px ○ 300px

OK

Users report that the icons that appear in the Active Account view are incorrect, as shown in the Active Accounts View exhibit. (Click the Active Accounts View tab.)



0 Active Accounts *

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Akjuet Limiled	I £9.00000 -	-		£000
Abouet Pian IM	rzsooooo -			£000
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Amazon Web Semes ; AWSr	4 £5 000 00			£0.00

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You need to determine why the incorrect icons are being displayed.

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

Statements	Yes No
If the Previous Year Annual Revenue column is in the Active Accounts view but has a null value, the selected imgName is set to **new_good** for Accounts that have an Annual Revenue greater than **0.**	o o
If the Previous Year Annual Revenue column is included in the Active Accounts view,	O O

and exception is raised and an error is displayed.

The userLCID can be used to gain access to users' ○ ○ Language settings in personal options and change the tooltip to their chosen language.

The imgName refers to an image that is a URL to an ○ ○ external image file.

Answer:

Explanation:

www.atmicnetworks.com www.atmicnetworks.com www.atmicnetworks.com www.atmic
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Statements	Yes	No
If the Previous Year Annual Revenue column is in the o Active Accounts view but has a null value, the selected imgName is set to **new_good** for Accounts that have an Annual Revenue greater than **0.**		○
If the Previous Year Annual Revenue column is included in O the Active Accounts view, and exception is raised and an error is displayed.		○
The userLCID can be used to gain access to users' Language settings in personal options and change the tooltip to their chosen language.		○
The imgName refers to an image that is a URL to an external image file.		0

Box 1: No
parseFloat will return 'NaN' if it's not a number (null and undefined are NaNs).

Box 2: No

Box 3: Yes
Session.userLCID is the Locale ID for the ASP application.

Box 4: Yes

Reference:
https://support.microsoft.com/en-us/help/229690/how-to-set-the-asp-locale-id-per-the-browser-s- language-settings

Question: 137

HOTSPOT

You need to complete a PowerApps component framework (PCF) control.

How should you define the order in the manifest? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

```
    < resources>
         <code path="scripts/HelloWorldControlWave.js" order="l"/>
         <code path="scripts/HelloWorldControlRandom.js" order="2"/>
         <css path="style/HelloWorldControl.css" order=" ˅ "/:
                                                  1
                                                  2
```

3

```
<html path=”HelloWorldControlWaveRandom.htm” order=”   ”/>
</resources>
```

Answer:

Explanation:

```
    <resources>
        <code path="scripts/HelloWorldControlWave.js" order="l"/>
        <code path=”scripts/HelloWorldControlRandom.js" order="2"/>
        <css path="style/HelloWorldControl.css" order=" v "/:
```

1

2

3

```
<html path=”HelloWorldControlWaveRandom.htm” order=”   ”/>
</resources>
```

The order property specifies the order of a flexible item relative to the rest of the flexible items inside the same container.

Reference:

https://www.w3schools.com/jsref/prop_style_order.asp

Question: 138

DRAG DROP

A company uses Common Data Service (CDS) and manages their engineers using a model-driven app.

You create a new reusable custom component named Component1 by using the Power Apps component framework (PCF).

You need to package Component1 for deployment into the model-driven app.

Which three commands should you run in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Actions **Answer Area**

npm run build

pac solution init-publisher-name *<publisher>* - - publisher prefix *<prefix>*

msbuild /tbuild /restore

pac pcf init -namespace *<namespace>* -name *<control name>* - -template field

pac solution add-reference -path *<control path>*

npm install

Answer:

Explanation:

pac solution init-publisher-name *<publisher>* - - publisher prefix *<prefix>*

pac solution add-reference -path *<control path>*

msbuild/tbuild /restore

Step 1: pac solution init --publisher-name <publisher> --publisher-prefix <prefix>

Create a new solutions project using the following command. The solution project is used for bundling the code component into a solution zip file that is used for importing into Dataverse.

pac solution init --publisher-name developer --publisher-prefix dev

Step 2: pac solution add-reference --path <control-path>

Once the new solution project is created, refer the Solutions folder to the location where the created sample component is located. You can add the reference using the command shown below. This reference informs the solution project about which code components should be added during the build. You can add references to multiple components in a single solution project.

```
pac solution add-reference --path c:\downloads\mysamplecomponent
```

Step 3: msbuild /t:build /restore

To generate a zip file from the solution project, go into your solution project directory and build the project using the following command. This command uses MSBuild to build the solution project by pulling down the NuGet dependencies as part of the restore. Use the /restore only for the first time when the solution project is built. For every build after that, you can run the command msbuild.

```
msbuild /t:build /restore
```

Reference:

https://docs.microsoft.com/en-us/powerapps/developer/component-framework/import-custom- controls

Question: 139

DRAG DROP

A developer must register a step using the Plug-in registration tool.

You need to associate the correct Event Pipeline Stage of Execution with its purpose.

Which stage should you associate with each description? To answer, drag the appropriate stages to the correct descriptions. Each stage may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Stages

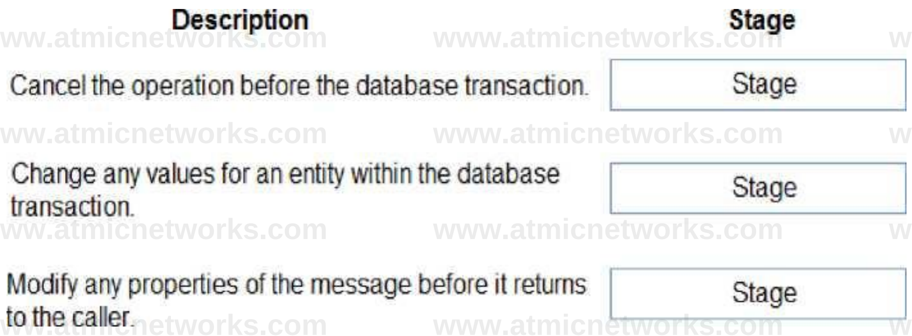
PreValidation

PreOperation

MainOperation

PostOperatian

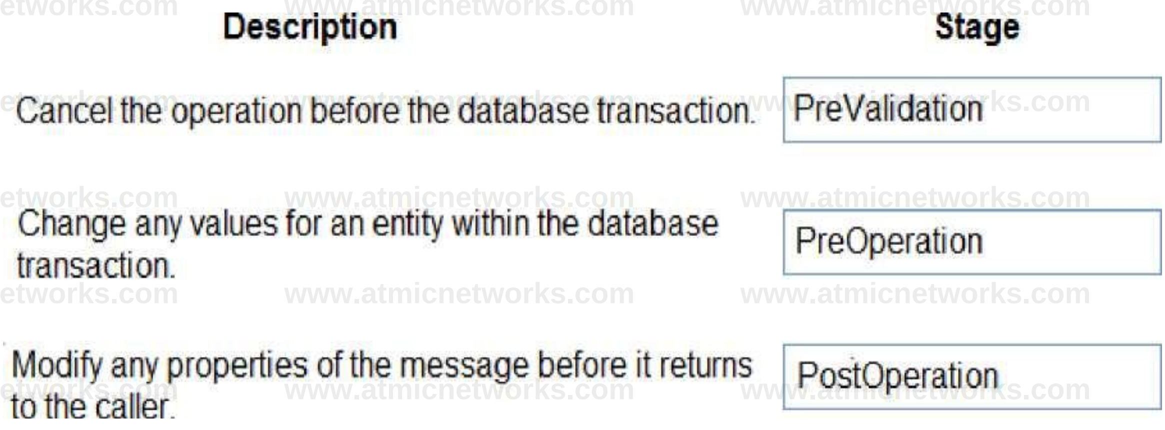
Answer Area



Description	Stage
Cancel the operation before the database transaction.	Stage
Change any values for an entity within the database transaction.	Stage
Modify any properties of the message before it returns to the caller.	Stage

Answer:

Explanation:



Description	Stage
Cancel the operation before the database transaction.	PreValidation
Change any values for an entity within the database transaction.	PreOperation
Modify any properties of the message before it returns to the caller.	PostOperation

The event pipeline allows you to configure when in the event the plug-in code will execute. The event pipeline is divided into the following events and stages:

Box 1: PreValidation
Pre-event/Pre-Validation
This stage executes before anything else, even before basic validation if the triggering action is even allowed based on security. Therefore, it would be possible to trigger the plug-in code even without actually having permission to do so and great consideration must be used when writing a prevalidation plug-in. Also, execution in this stage might not be part of the database transaction.

Examples:- security checks being performed to verify the calling or logged on user has the correct permissions to perform the intended operation.

Box 2: PreOperation
Pre-event/Pre-Operation
This stage executes after validation, but before the changes has been committed to database. This is one of the most commonly used stages.

Example uses:
If and “update” plug-in should update the same record, it is best practice to use the pre-operation stage and modify the properties. That way the plug-in update is done within same DB transaction without needing additional web service update call.

Box 3: PostOperation
Plug-ins which are to execute after the main operation. Plug-ins registered in this stage are executed within the database transaction.

This stage executed after changes have been committed to database. This is one of the most used stages.

Example uses:

Most of the “Create” plugins are post-event. This allows access to the created GUID and creation of relationships to newly created record.

Incorrect Answers:

MainOperation:- main operation of the system, such as create, update, delete, and so on. No custom plug-ins can be registered in this stage.

Reference:
https://community.dynamics.com/crm/f/microsoft-dynamics-crm-forum/216569/ms-crm-plugin- execution-pipeline

Question: 140

An organization plans to set up a secure connector for Power Apps. The App will capture tweets from Twitters about the organization’s upcoming product for sales follow-up.

You need to configure security for the app.

Which authentication method should you use?

A. OAuth

B. API key

C. Windows authentication

D. Kerberos authentication

E. Basic authentication

Answer: A

Explanation:

Configure OAuth2 provider settings for portals.

The OAuth 2.0 based external identity providers involve registering an "application" with a third- party service to obtain a "client ID" and "client secret" pair.

The supported providers are:

Microsoft Account
Twitter
Facebook
Google
LinkedIn
Yahoo

Reference:
https://docs.microsoft.com/en-us/powerapps/maker/portals/configure/configure-oauth2-settings

Question: 141

HOTSPOT

You are developing a Web API for a company.

You need to implement the appropriate operations to meet the company’s requirements.

What should you implement? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Requirement	**Operation**
Implement operations that do not have side effects and may support further composition	▼ Functions Actions Entities
Implement operations that allow side effects, such as data modification	▼ Functions Actions Entities
Implement keyless named structured types that consist of a set of properties	▼ Complex types Entity types Enumeration types

Answer:

Explanation:

Requirement	**Operation**
Implement operations that do not have side effects and may support further composition	▼ [✓ Functions] Actions Entities
Implement operations that allow side effects, such as data modification	Functions [✓ Actions] Entities

Implement keyless named structured types that consist ▼

Question: 142

DRAG DROP

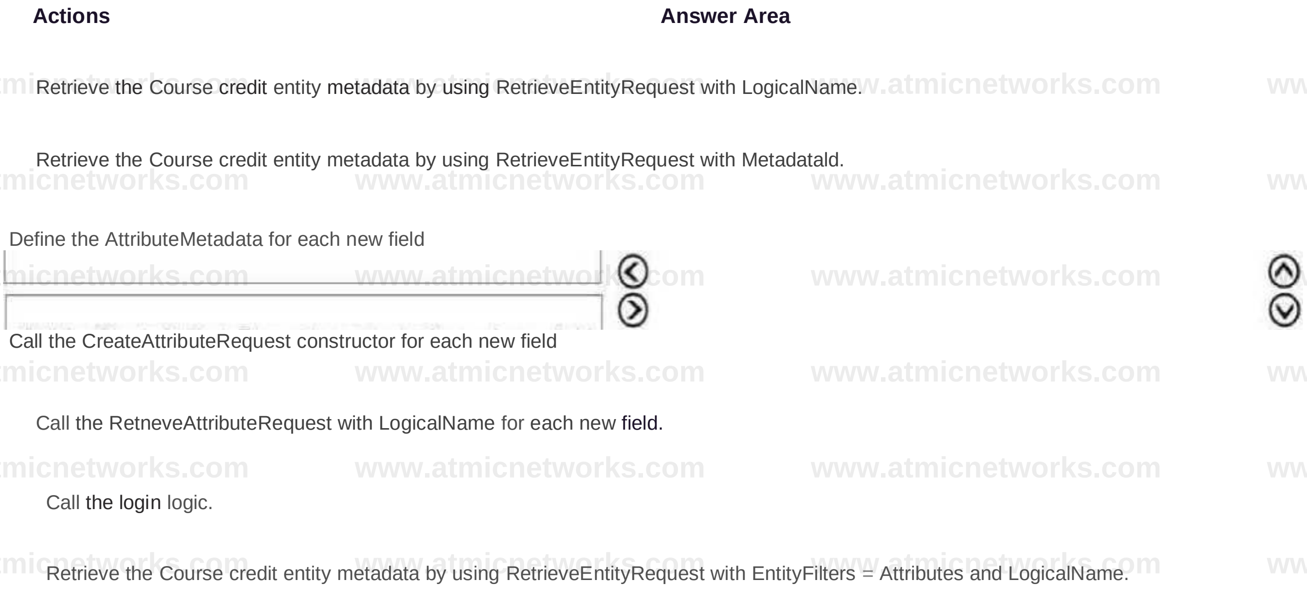
Five high schools test a custom app from AppSource. They provide feedback that the Course credit entity should include additional fields that cover information shared by the schools.

You do not have access to each high school organization.

Each high school administrator must be able to apply the updates to the Course credit entity.

You need to deliver a custom program that creates the additional fields.

Which four actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.



Actions

Answer Area

Retrieve the Course credit entity metadata by using RetrieveEntityRequest with LogicalName.

Retrieve the Course credit entity metadata by using RetrieveEntityRequest with MetadataId.

Define the AttributeMetadata for each new field

Call the CreateAttributeRequest constructor for each new field

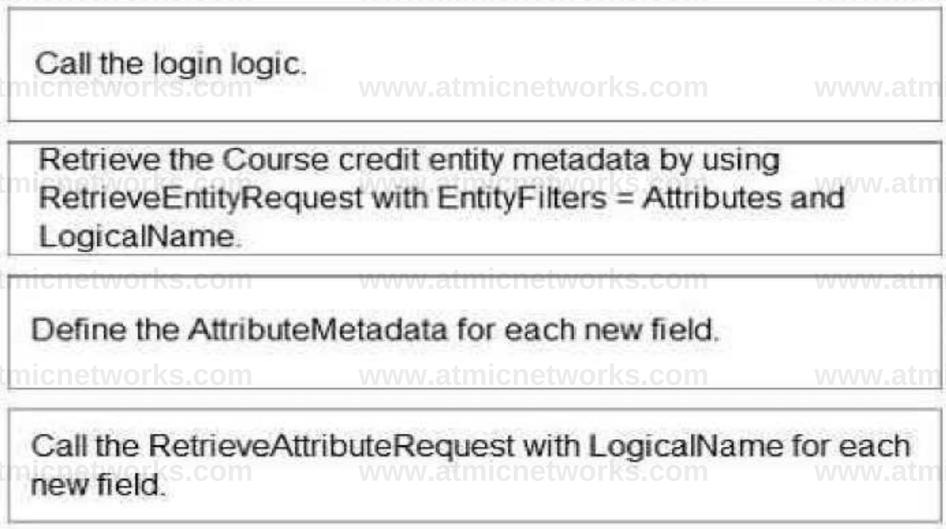
Call the RetneveAttributeRequest with LogicalName for each new field.

Call the login logic.

Retrieve the Course credit entity metadata by using RetrieveEntityRequest with EntityFilters = Attributes and LogicalName.

Answer:

Explanation:



Call the login logic.

Retrieve the Course credit entity metadata by using RetrieveEntityRequest with EntityFilters = Attributes and LogicalName.

Define the AttributeMetadata for each new field.

Call the RetrieveAttributeRequest with LogicalName for each new field.

Step 1: Call the login logic.

Step 2: Retrieve the Course credit entity metadata by using RetrieveEntityRequest with EntityFilters = Attributes and LogicalName

The RetrieveEntityRequest.EntityFilters property gets or sets a filter to control how much data for the entity is retrieved.

Step 3: Define the AttributeMetaData for each new field.

Step 4: Call the RetrieveAttributeRequest with LogicalName for each new field.

The RetrieveAttributeRequest contains the data that is needed to retrieve attribute metadata.

Reference:

https://docs.microsoft.com/en-us/dotnet/api/microsoft.xrm.sdk.messages.retrieveentityrequest.entityfilters?view=dynamics-general-ce-9

Question: 143

A company has two development instances, two test instances, two staging instances, and one production instance.

The test team reports connection issues with the test and staging instances.

You need to identify which if the instances the testing team currently has access.

Which two URLs can you use? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

A. https://myorg.api.crm.dynamics.com/api/data/v.9.1/

B. https://dev.crm.dynamics.com/api/discovery/v9.1/Instances

C. https://dev.crm.dynamics.com/api/discovery/v9.1/Instances(UniqueName='myorg')

D. https://disco.crm.dynamics.com/api/discovery/v9.1/

E. https://globaldisco.crm.dynamics.com/api/discovery/v9.1/Instances

Answer: CE

Explanation:

C: Organization information is stored in the Instance entity of the Discovery service. To see the kind of information contained in that entity, send an HTTP GET request to the service for one of your instances.

GET https://dev.{servername}/api/discovery/v9.0/Instances(UniqueName='myorg')

In the above example, the discovery service is used to obtain the organization information of the instance with a unique name of "myorg".

Reference:
https://docs.microsoft.com/en-in/dynamics365/customerengagement/on-premises/developer/webapi/discover-url-organization-web-api

https://docs.microsoft.com/en-us/powerapps/developer/common-data-service/webapi/samples/global-discovery-service-csharp

Question: 146

DRAG DROP

You need to select the appropriate methods using the Azure Event Grid.

Which method should you use for each requirement? To answer, drag the appropriate methods to the correct requirements. Each method may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Methods

Event handler

Event sources

Event subscnption

Events

Answer Area

Requirement	Method
Notify the infrastructure team when a new virtual machine is created	
Route orders over 55,000 to the credit department	

Answer:

Explanation:

Requirement	Method
Notify the infrastructure team when a new virtual machine is created	Event handler
Route orders over S5.000 to the credit department	Event subscnption

Box 1: Event handler

Event handlers - The app or service reacting to the event.

Box 2: Event subscriptions

Event subscriptions - The endpoint or built-in mechanism to route events, sometimes to more than one handler. Subscriptions are also used by handlers to intelligently filter incoming events.

Note:

There are five concepts in Azure Event Grid that let you get going:

Events - What happened.

Event sources - Where the event took place.

Topics - The endpoint where publishers send events.

Event subscriptions - The endpoint or built-in mechanism to route events, sometimes to more than one handler. Subscriptions are also used by handlers to intelligently filter incoming events.

Event handlers - The app or service reacting to the event.

Reference:

https://docs.microsoft.com/en-us/azure/event-grid/overview

Question: 147

A company plans to replicate a Dynamics 365 Sales database into an Azure SQL Database instance for reporting purposes. The data Export Service solution has been installed.

You need to configure the Data service.

Which three actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

A. Enable auditing for all entities that must be replicated to Azure SQL Database.
B. Create an export profile that specifies all the entities that must be replicated.
C. Set up server-based integration.
D. Enable change tracking for all entities that must be replicated to Azure SQL Database.
E. Create an Azure SQL Database service in the same tenant as the Dynamics 365 Sales environment.

Answer: BDE

Explanation:

Reference:

https://docs.microsoft.com/en-us/power-platform/admin/replicate-data-microsoft-azure-sql- database

Question: 148

HOTSPOT

A travel agency has a Dynamics 365 Customer Engagement.

Customers are allowed to add up to three countries/regions to their travel preferences from the website. Their preferences must be stored in the Contact entity.

You need to register the plug-in to meet the requirements.

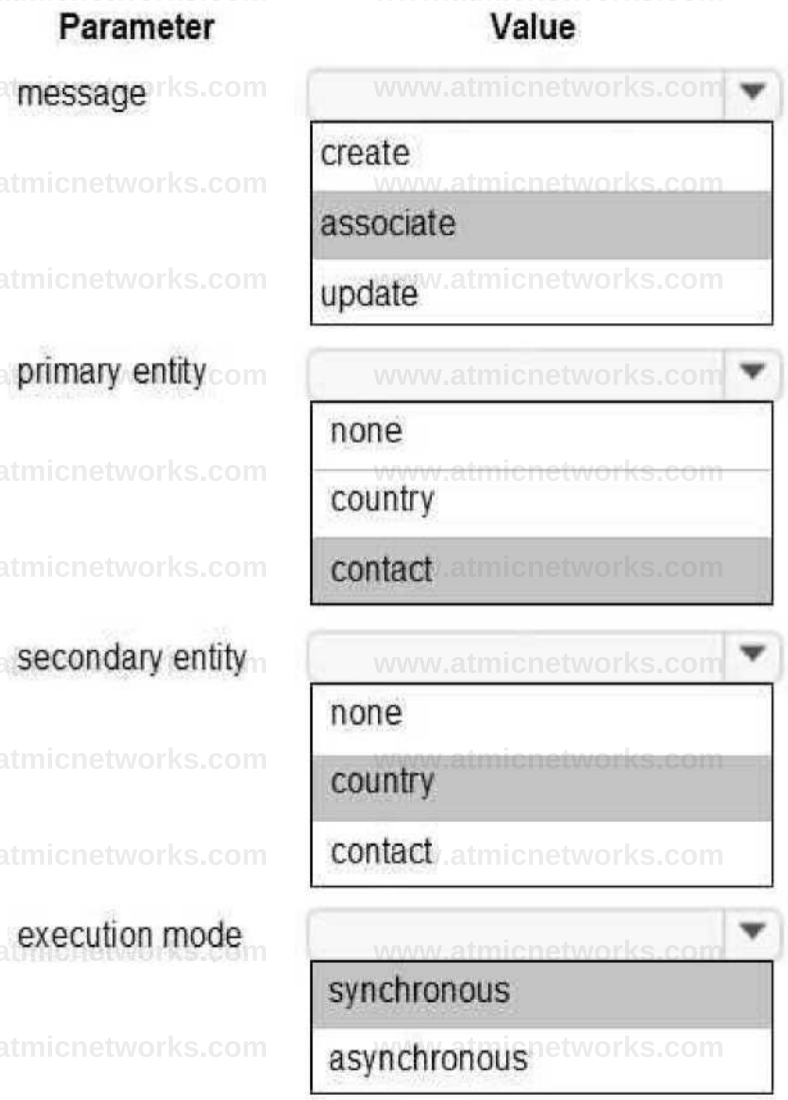
Which value should you apply for each parameter? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Parameter	Value
message	▼ create associate update
primary entity	▼ none country contact
secondary entity	▼ none country contact
execution mode	▼ synchronous asynchronous

Answer:

Explanation:



Parameter	Value
message	create [✓ associate] update
primary entity	none country [✓ contact]
secondary entity	none [✓ country] contact
execution mode	[✓ synchronous] asynchronous

Box 1: associate

Box 2: contact

Customers are allowed to add up to three countries/regions to their travel preferences from the website. Their preferences must be stored in the Contact entity.

Box 3: country

Box 4: synchronous

Reference:

https://docs.microsoft.com/en-us/powerapps/developer/common-data-service/tutorial-write-plug- in

Question: 149

A company uses the Data Export Service (DCS) to refresh their Azure SQL Data Warehouse instance.

The data warehouse is used for historical trend analysis and forecasting.

The refresh process from the Common Data Service (COS! environment lo the data warehouse has errors.

Users report that data is missing.

A CDS lest environment that contains DES is available to troubleshoot the import outside of the production environment. You create a new database for testing.

You need to configure the lest environment to point to the new database.

What should you create first lo access the database?

A. A new secret In Azure Key Vault
B. A new user in the SQL database
C. A new export profile in CDS test
D. A new application registration

Answer: A

Explanation:

Because this service requires access to an external Microsoft Azure SQL Database from Dynamics 365 (online), a number of prerequisites must be satisfied before you can successfully access this service including: Global / Tenant Admin access, or an Azure Key Vault must be provisioned and the setup user must have permissions on Secrets.

Reference:
https://blog.crgroup.com/dynamics-365-latest-feature-the-data-export-service/

Question: 150

HOTSPOT

You are developing an app for a sales team to record contact details in their Common Data Service (CDS) database.

The app must handle loss of network and save the data to CDS when reconnected.

The main screen of the app has a form to collect contact data and a button. The OnSelect property for the button has the following expression:

```
If (
Connection.Connected,
Path(
Contacts,
Defaultsftontacts),
{
‘First Name¹: DataCardValue_FirstNanw.Text, ‘Last Name'; DataCardValue_LastName.Text
)
);
Navigate(ConfirmationScreen,Screen!ransition.Fade)

ClearCollect(
LocalRecord,
{
‘First Name': DataCardValue_FirstName.Text, 'Last Name': DataCardValue_LastName.Text
}
);
SaveData(LocalRecord, "LocalRecord");
Navigate(PendingScreen,ScreenTransition.Fade)
j
```

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Statements	Yes	No
The expression saves the data to CDS when reconnecting after losing network connection.	○	○
The collection contains all contacts not saved to CDS.	○	○
The expression updates existing contacts in CDS.	○	○
The expression handles loss of connection to CDS.	○	○

Answer:

Explanation:

Statements	Yes	No
The expression saves the data to CDS when reconnecting after losing network connection.	○	○
The collection contains all contacts not saved to CDS.	○	○
The expression updates existing contacts in CDS.	○	○

The expression handles loss of connection to CDS.	○	○

Box 1: Yes

LoadData and SaveData combine to form a simple mechanism to store small amounts of data on a local device. By using these functions, you can add simple ofline capabilities to your app.

Box 2: No

Box 3: No

Box 4: Yes

Reference:
https://docs.microsoft.com/en-us/powerapps/maker/canvas-apps/ofline-apps

Question: 151

A client uses a model-driven app that is deployed by using a managed solution in the production environment. The app contains only entities and UI components and has no custom code or extensions to the platform.

The client needs an exact copy of the app with a different name in the production environment.

You need to recreate this app in production without disrupting the end users.

What should you do?

A. Select the original model-driven app, select Edit, and then select Save As.

B. Create a new model-driven app. Select the Use existing solution to create the App check box, and then select the solution that contains the original app.

C. Select the managed solution and select Clone.

D. Create a new model-driven app, manually add each component, and then recreate its original functions.

E. Add the original app to a solution, export it as unmanaged, import it into a test environment and rename it, and then deploy it back into production.

Answer: B

Explanation:

The option Use existing solution allow users to select a specific solution for this app. Users can create a whole new design from scratch by not checking check box of use existing solution.

Reference:
https://www.inogic.com/blog/2019/02/create-model-driven-app-cds-environment/

Question: 152

DRAG DROP

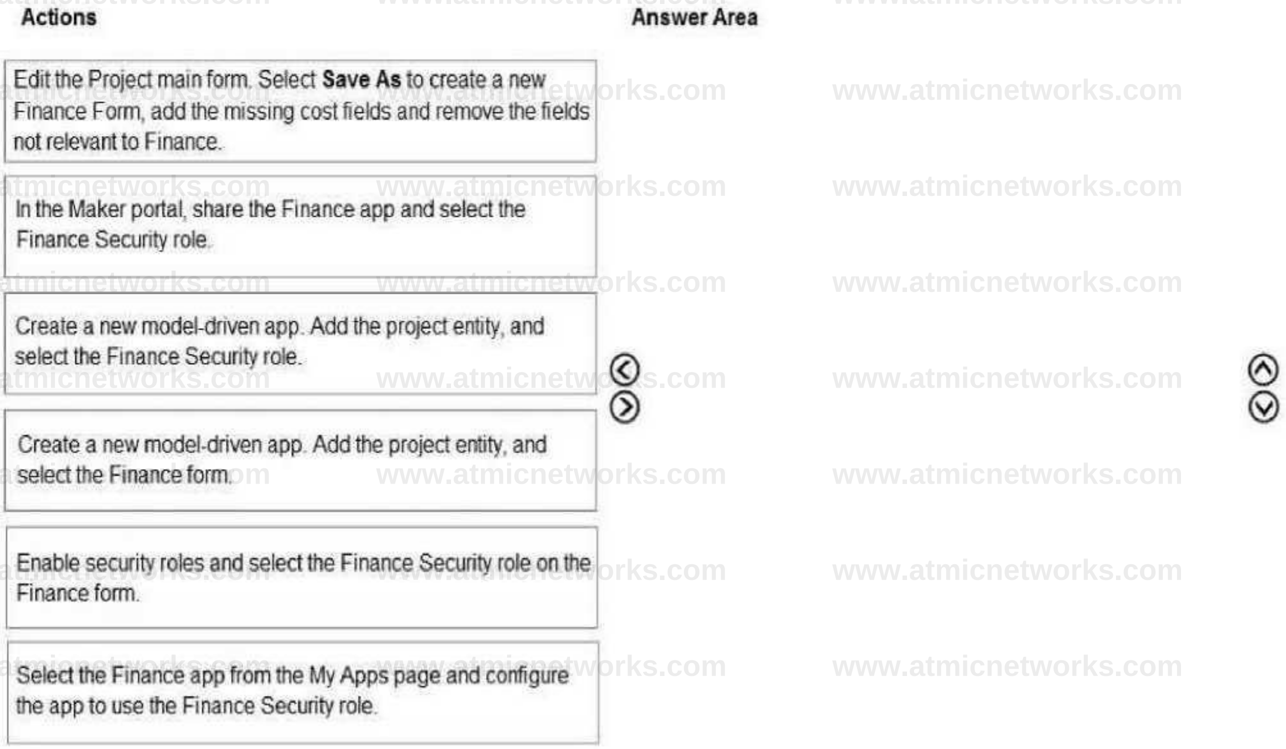
A company has a Common Data Service (CDS) environment. The company creates model-driven apps for different sets of users to allow them to manage and monitor projects.

Finance team users report that the current app does not include all the entities they require and that the existing project form is missing cost information. Cost information must be visible only to finance team users.

You create a security role for finance team users.

You need to create a new app for finance team users.

Which four actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.



- Edit the Project main form. Select **Save As** to create a new Finance Form, add the missing cost fields and remove the fields not relevant to Finance.
- In the Maker portal, share the Finance app and select the Finance Security role.
- Create a new model-driven app. Add the project entity, and select the Finance Security role.
- Create a new model-driven app. Add the project entity, and select the Finance form.
- Enable security roles and select the Finance Security role on the Finance form.
- Select the Finance app from the My Apps page and configure the app to use the Finance Security role.

Answer:

Explanation:

Edit the Project main form Select Save As to create a new Finance Form, add the missing cost fields and remove the fields not relevant to Finance.

Create a new model-driven app Add the project entity, and select the Finance form.

Enable security roles and select the Finance Security role on the Finance form

In the Maker portal, share the Finance app and select the Finance Secunty role.

Step 1: Edit the Project main form. Select Save as..

Step 2: Create a new model-driven app. Add the project entity, and select the Finance form.

Step 3: Enable security roles and select the Finance Security role on the Finance
Assign security roles to the main form. Use this to make a main form available to specific groups.

Step 4: In the Maker portal, share the Finance app and select the Finance Security role.
Sharing a model-driven app involves two primary steps. First, associate a one or more security role(s) with the app then assign the security role(s) to users.

Visit https://make.powerapps.com
Select a model-driven app and click Share.
Select the app then choose a security role from the list.

Reference:
https://docs.microsoft.com/dynamics365/customer-engagement/admin/assign-security-roles-for

Question: 153

DRAG DROP

A travel company has a Common Data Service (CDS) environment.

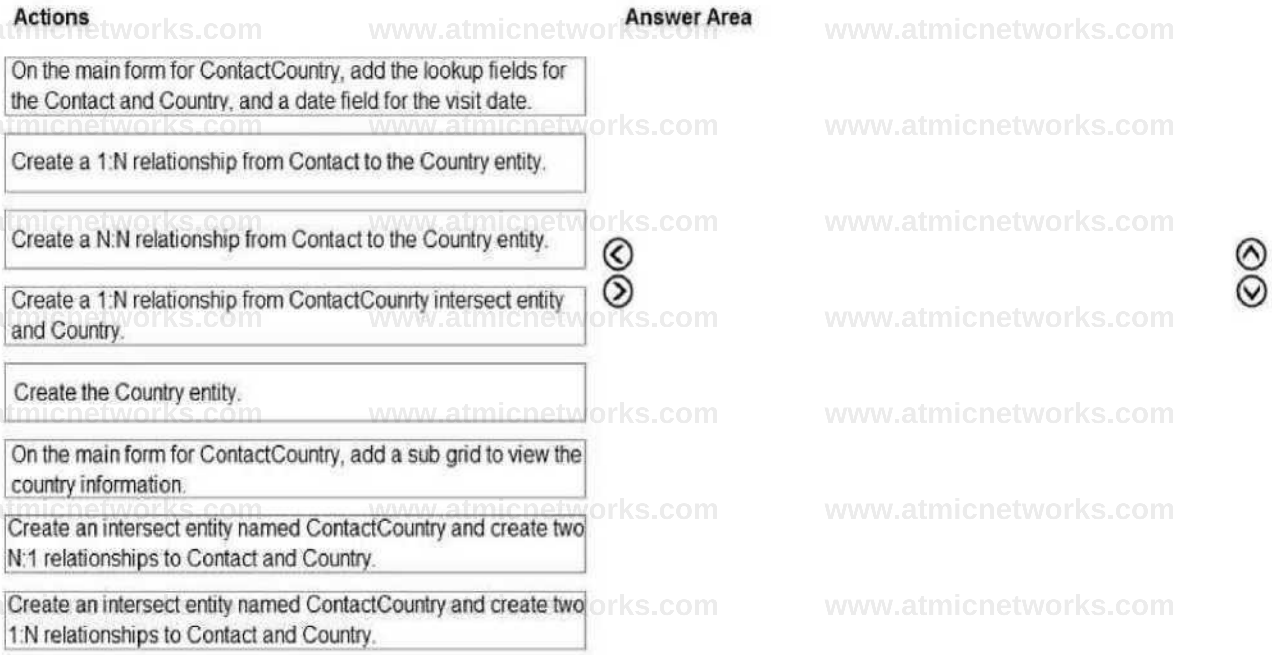
The company requires the following:

Custom entities that track which countries/regions their clients have traveled.
The dates their clients traveled to these countries/regions.

You need to create the entities and relationships to meet the requirements.

Which three actions should perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

NOTE: More than one order of answer choices is correct. You will receive credit for any of the correct order you select.



Actions

- On the main form for ContactCountry, add the lookup fields for the Contact and Country, and a date field for the visit date.
- Create a 1:N relationship from Contact to the Country entity.
- Create a N:N relationship from Contact to the Country entity.
- Create a 1:N relationship from ContactCounrty intersect entity and Country.
- Create the Country entity.
- On the main form for ContactCountry, add a sub grid to view the country information.
- Create an intersect entity named ContactCountry and create two N:1 relationships to Contact and Country.
- Create an intersect entity named ContactCountry and create two 1:N relationships to Contact and Country.

Answer Area

Answer:

Explanation:

- Create the Country entity.
- Create a 1:N relationship from Contact to the Country entity.
- On the main form for ContactCountry, add a sub grid to view the country information.

You can configure a sub-grid on a form to display a list of records or a chart.

Reference:

https://docs.microsoft.com/en-us/dynamics365/customerengagement/on-premises/customize/sub-grid-properties-legacy

Question: 154

DRAG DROP

A company is creating a new system based on Common Data Service.

You need to select the features that meet the company's requirements.

Which options should you use? To answer, drag the appropriate options to the correct requirements. Each option may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Options

connection

one-to-many relationship

many-to-many relationship

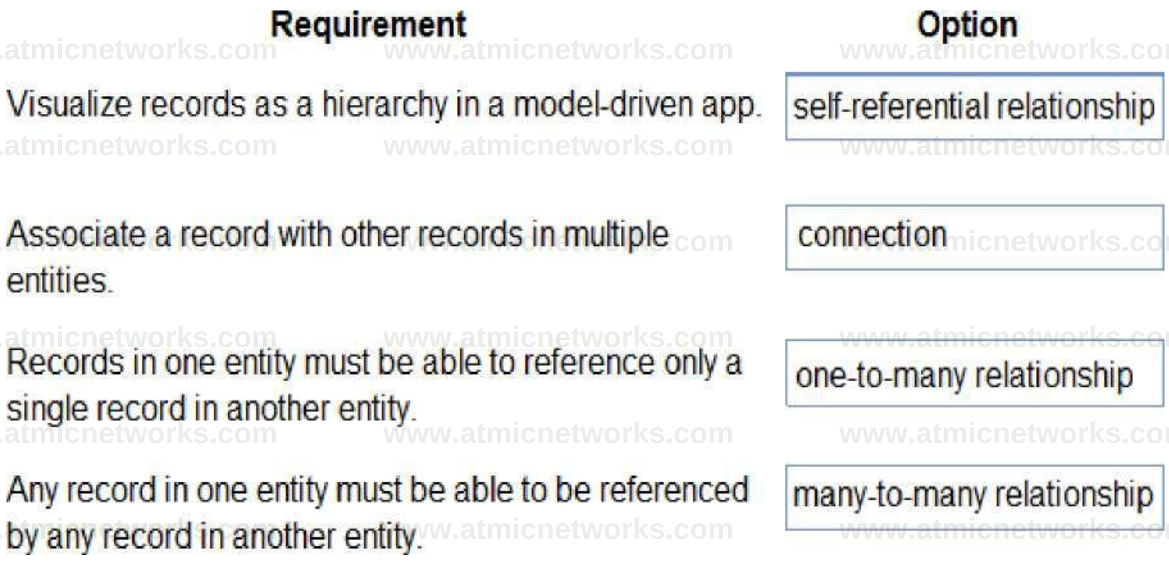
self-referential relationship

Answer Area

Requirement	Option
Visualize records as a hierarchy in a model-driven app.	Option
Associate a record with other records in multiple entities.	Option
Records in one entity must be able to reference only a single record in another entity.	Option
Any record in one entity must be able to be referenced by any record in another entity.	Option

Answer:

Explanation:



Requirement	Option
Visualize records as a hierarchy in a model-driven app.	self-referential relationship
Associate a record with other records in multiple entities.	connection
Records in one entity must be able to reference only a single record in another entity.	one-to-many relationship
Any record in one entity must be able to be referenced by any record in another entity.	many-to-many relationship

Box 1: self-referential relationship

Box 2: connection

There are other less formal kinds of relationships between records that are called connections. For example, it may be useful to know if two contacts are married, or perhaps they are friends outside of work, or perhaps a contact used to work for another account. Most businesses won't generate

reports using this kind of information or require that it is entered, so it's probably not worthwhile to create entity relationships.

Box 3: one-to-many relationship

Box 4: many-to-many relationship

Reference:
https://docs.microsoft.com/en-us/powerapps/maker/common-data-service/create-edit-entity- relationships

Question: 155

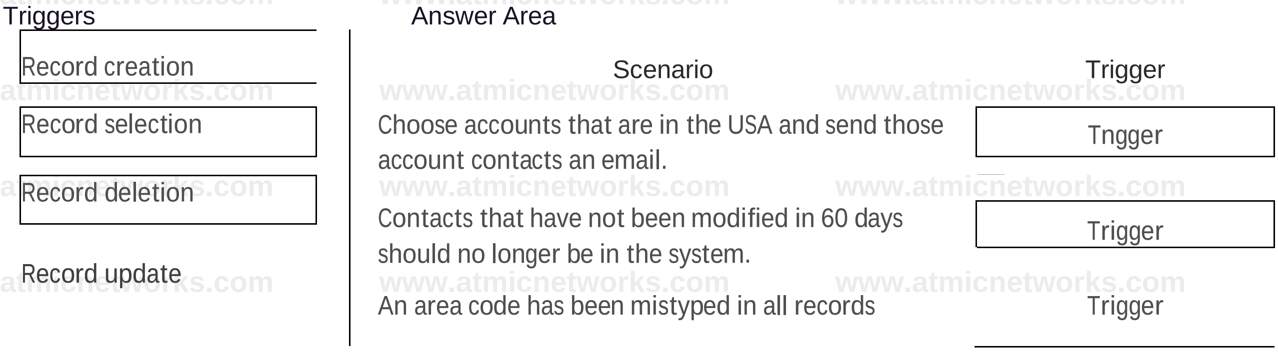
DRAG DROP

You are creating a flow using the Common Data Service (CDS) connector.

You need to select the appropriate triggers.

Which triggers should you use? To answer, drag the appropriate triggers to the correct scenarios. Each trigger may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.



Triggers

- Record creation
- Record selection
- Record deletion
- Record update

Answer Area

Scenario	Trigger
Choose accounts that are in the USA and send those account contacts an email.	Tngger
Contacts that have not been modified in 60 days should no longer be in the system.	Trigger
An area code has been mistyped in all records	Trigger

Answer:

Explanation:

Scenario	Trigger
Choose accounts that are in the USA and send those account contacts an email.	Record selection
Contacts that have not been modified in 60 days should no longer be in the system.	Record deletion
An area code has been mistyped in all records.	Record update

Question: 156

An organization implements Dynamics 36S Supply Chain Management.

You need to create a Microsoft Flow that runs daily.

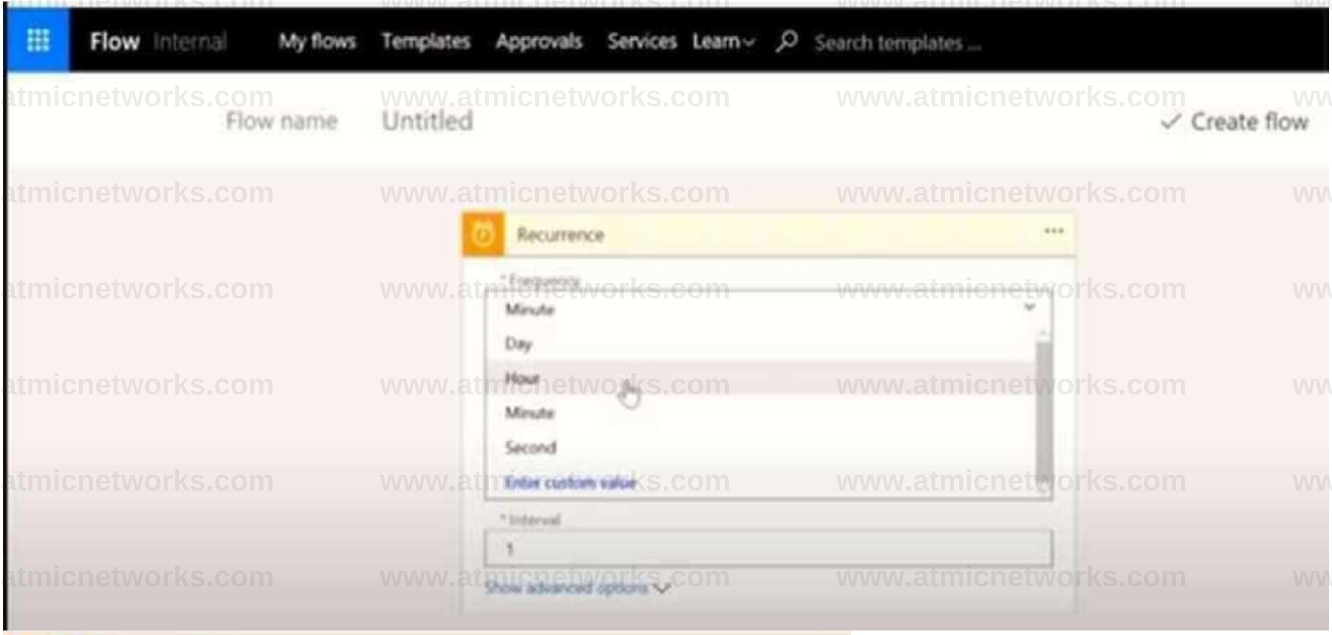
What are two possible ways to achieve this goal? Each correct answer presents a complete solution.

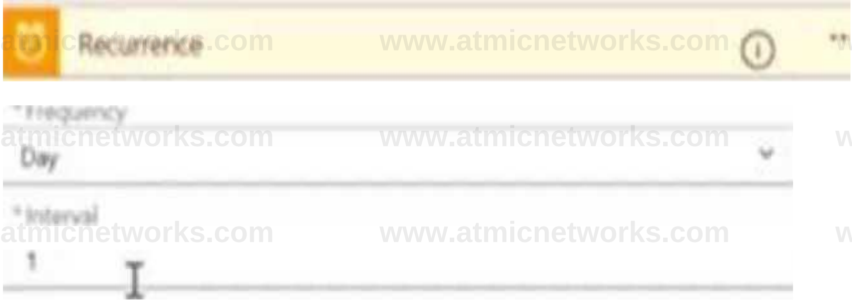
NOTE: Each correct selection is worth one point.

A. Create the flowand set the now frequency to daily and the interval to 1.
B. Create the flowand set the (low frequency to hourly and the value to 24.
C. Create the flowand set the flow frequency to hourly and the value to 1.
D. Create the flowand set the flow frequency to daily and the interval to 24.

Answer: AD

Explanation:





* Frequency
Day

* Interval
1

Question: 157

DRAG DROP

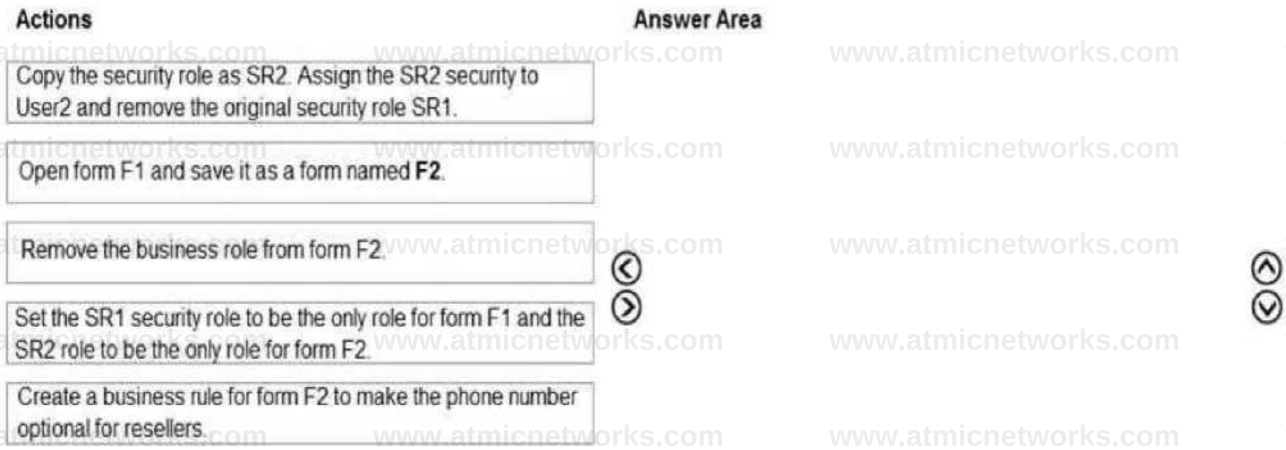
User1 and User2 use a form named F1 to enter account data. Both users have the same security role, SR1, in the same business unit.

User1 has a business rule to make the main phone mandatory if the relationship type is Reseller. User2 must occasionally create records of the Reseller type without having the reseller’s phone number and is blocked by User1’s business rule.

You need to ensure that User2 can enter reseller data into the system.

Which three actions should perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

NOTE: More than one order of answer choices is correct. You will receive credit for any of the correct order you select.



Actions

Answer Area

- Copy the security role as SR2. Assign the SR2 security to User2 and remove the original security role SR1.
- Open form F1 and save it as a form named **F2**.
- Remove the business role from form F2.
- Set the SR1 security role to be the only role for form F1 and the SR2 role to be the only role for form F2.
- Create a business rule for form F2 to make the phone number optional for resellers.

Answer:

Explanation:

Open form Fl and save it as a form named F2

Remove the business role from form F2

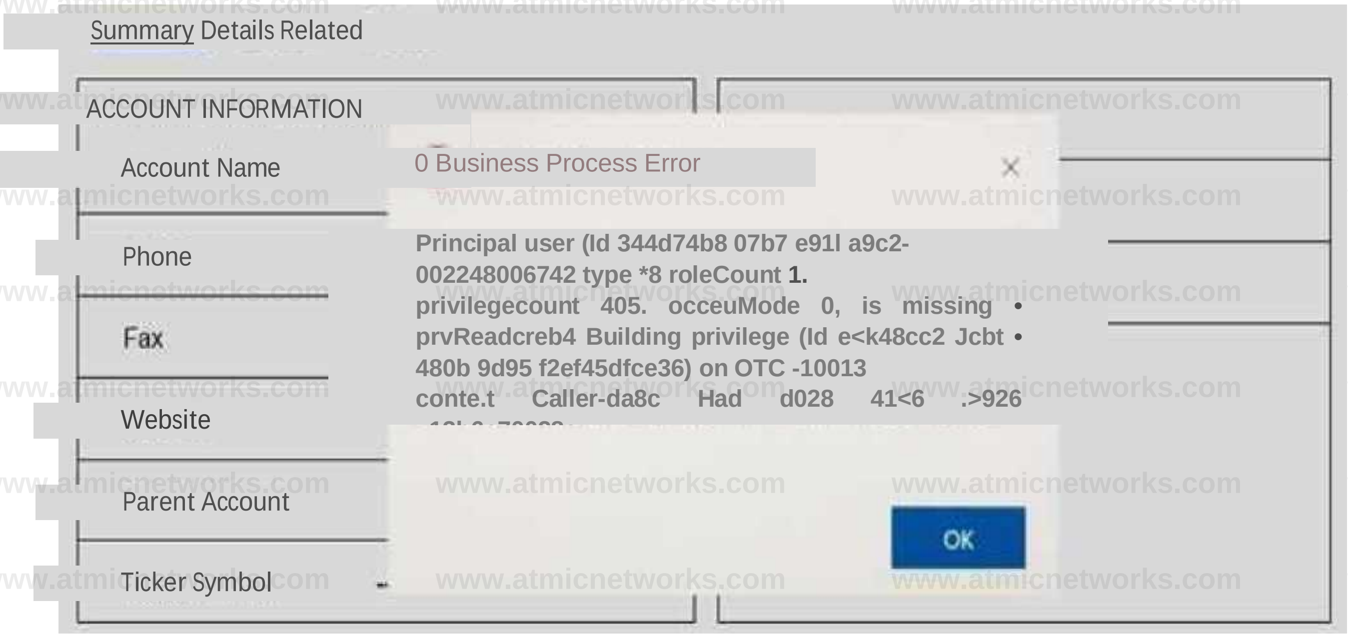
Create a business rule for form F2 to make the phone number optional for resellers

Question: 158

HOTSPOT

You have a model-driven app that uses the Common Data Service (CDS). You create three custom entities that are in many-to-one parental relationships with the Account entity.

You run a real-time workflow that assigns an account you own to another user. You receive the error message as shown in the Error Message exhibit. (Click the Error Message tab.)



0 Business Process Error

Principal user (Id 344d74b8 07b7 e91l a9c2-002248006742 type *8 roleCount 1. privilegecount 405. occeuMode 0, is missing • prvReadcreb4 Building privilege (Id e<k48cc2 Jcbt • 480b 9d95 f2ef45dfce36) on OTC -10013 conte.t Caller-da8c Had d028 41<6 .>926

You check the security roles for the user as shown in the Manage User Roles exhibit. (Click the Manage User Roles tab.).

Manage User Roles

*

What roles would you like to apply to the 1 User you have selected?

Role Name	Business Unit
VI Common Data Service User	org3f9b041e
U Delegate	org3f9b041e
I Environment Maker	org3f9b041e
l_l Knowledge Manager	org3f9b041e
l_l System Administrator	org3f9b041e
Q System Customizer	org3f9b041e

Jk.

OK Cancel

You also check the privileges for that role as shown in the Common Data Service User Security Role exhibit. (Click the Security Role tab.)

Details Core Records Service Business Management Customization Missing Entities Business Process Flows Custom Entities

Entity

Account

Create Read Wnte Delete Append Append To Assign Share

Details Core Records Service Business Management Customization Missing Entities Business Process Flows Custom Entities

Entity	Create	Read	Wnte	Delete	Append	Append To	Assign	Share
Asset	●			0	0	0		0
Building	0	0	0	0	0	0	0	0
Job	●	●	●	●	●	●	◆	◆

You need to prevent the error from recurring.

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Statements	Yes	No
Changing the **Append To** privilege on the Account entity to **Organization** prevents the errorfrom recurring.	0	0
Adding the Environment Maker role to the user prevents the error from recurring.	0	0

Adding the System Customizer role to the user prevents the error from recurring.	○	○
Setting all the privileges for the Building entity to **User** prevents the error from recurring.	○	○

Answer:

Explanation:

Statements	Yes	No
Changing the **Append To** privilege on the Account entity to **Organization** prevents the error from recurring.	○	○
Adding the Environment Maker role to the user prevents the error from recurring.	○	○
Adding the System Customizer role to the user prevents the error from recurring.	○	○
Setting all the privileges for the Building entity to **User** prevents the error from recurring.	○	○

Box 1: No
There is a read error.

Box 2: No
Note: The Environment Maker role can create resources within an environment including apps, connections, custom connectors, gateways, and flows using Power Automate.

Box 3: Yes
The System Customizer role is similar to the System Administrator role which enables non-system administrators to customize Dynamics 365. A Customizer is a user who customizes entities, attributes and relationships.

Box 4: Yes

Question: 159

HOTSPOT

A fine arts school uses a custom canvas application based on the Common Data Service (CDS) platform.

Artists experience errors on their Artist canvas app and delays when switching pages.

You need to identify the root causes of these issues.

Which troubleshooting methods should you use? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Issue	Troubleshooting method
Artist canvas app has errors.	▼ PowerApp Checker Solution Checker Site Map validation
Application runs slowly.	▼ PowerApps Admin Center Service Performance in PowerApps Analytics Dynamics 365 Service Health PowerApps client session details

Answer:

Explanation:

Issue	Troubleshooting method
Artist canvas app has errors.	▼ PowerApp Checker Solution Checker Site Map validation
Application runs slowly.	▼ PowerApps Admin Center Service Performance in PowerApps Analytics Dynamics 365 Service Health PowerApps client session details

Box 1: Site Map validation

When you validate the app, the app designer canvas shows you details about the assets that are missing.

In the app designer, select Validate.
A notification bar appears and shows you whether the app has any errors or warnings. The notification bar shows warnings in cases where, for example, an entity has no forms or views, or the app doesn’t contain any components. An error might appear if a site map isn't configured for the app.

1 error message(s) 2 warning(s) found.

ERROR MESSAGE

App does not contain Site Map

WARNING MESSAGE

No component is referenced

App does not reference at least one entity

Incorrect Answers:
With Solution checker, you can inspect your code against a set of best practice development rules specific to customizing and extending the CDS for Apps platform. Get access to rich detailed reports listing issues identified, severity, locations, and sometimes the line code, with linkage to detailed prescriptive guidance on how to fix the problem.

PowerApp Checker checks your solution for any usage of code that was deprecated or any performance or security issues in the code. It checks the plugin code as well as web resources.

Box 2: Service Performance in Power Apps Analytic
Regarding Microsoft Power Apps Canvas Driven Apps: for reviewing performance bottlenecks and API calls, admins can leverage the Service Performance report for connection health. Admins can gain

insights into the least and best performing services, the mean response time and success rate for connectors and the 50th, 75th and 95th percentile markers for response time. Each of these can be filtered down by service or connector, device, player version and regionally.

Reference:
https://docs.microsoft.com/en-us/dynamics365/customerengagement/on-premises/customize/validate-app

https://community.dynamics.com/crm/b/crminthefield/posts/monitoring-the-power-platform- canvas-driven-apps---power-apps-analytics

Question: 160

A financial institution that has a Dynamics 365 Customer Engagement environment requires that the account balance field from the account entity be visible to specific users only.

You need to set up the field security for the account balance field.

Which three actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

A. Create a field security profile.
B. Set the field to Read-Only and then publish the entity.
C. Create a security role and add the specific users to the role.
D. Enable field security and then publish the entity.
E. Set the field permission Allow Read to Yes and add the users to the members section.

Answer: ADE

Explanation:

To implement field-level security, a system administrator performs the following tasks.
Enable field security on one or more fields for a given entity.
Associate one more existing security profiles, or create one or more new security profiles to grant the appropriate access to specific users or teams.

A security profile determines the following:
Permissions to the secure fields
Users and Teams

A security profile can be configured to grant user or team members the following permissions at the field level:
Read. Read-only access to the field's data.
Create. Users or teams in this profile can add data to this field when creating a record.
Update. Users or teams in this profile can update the field's data after it has been created.

Reference:
https://docs.microsoft.com/en-us/power-platform/admin/field-level-security

Question: 161

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

A Common Data Service (CDS) environment has two custom entities named Building code and Work item. Building code has a code date custom field and Work item has an elapsed time custom field. Construction workers use a consolidated custom form with data from both entities to fill.in their daily work items.

A JavaScript library is used with these custom entities and fields to apply complex logic.

You need to ensure that the JavaScript library continues to function as originally designed if other developers expand the environment.

Solution: In form properties of the consolidated form, add the JavaScript library in the events tab and add the two custom fields to the dependent fields section of the non-event dependencies tab.

Does the solution meet the goal?

A. Yes

B. No

Answer: B

Explanation:

Instead, in the JavaScript library, add Building code with Code date and Work item with Elapsed time in the dependencies tab.

Reference:

https://docs.microsoft.com/en-us/dynamics365/customerengagement/on- premises/developer/web-resource-dependencies

Question: 162

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

A Common Data Service (CDS) environment has two custom entities named Building code and Work

item. Building code has a code date custom field and Work item has an elapsed time custom field. Construction workers use a consolidated custom form with data from both entities to fill.in their daily work items.

A JavaScript library is used with these custom entities and fields to apply complex logic.

You need to ensure that the JavaScript library continues to function as originally designed if other developers expand the environment.

Solution: In the JavaScript library, add Building code with Code date and Work item with Elapsed time in the dependencies tab.

Does the solution meet the goal?

A. Yes

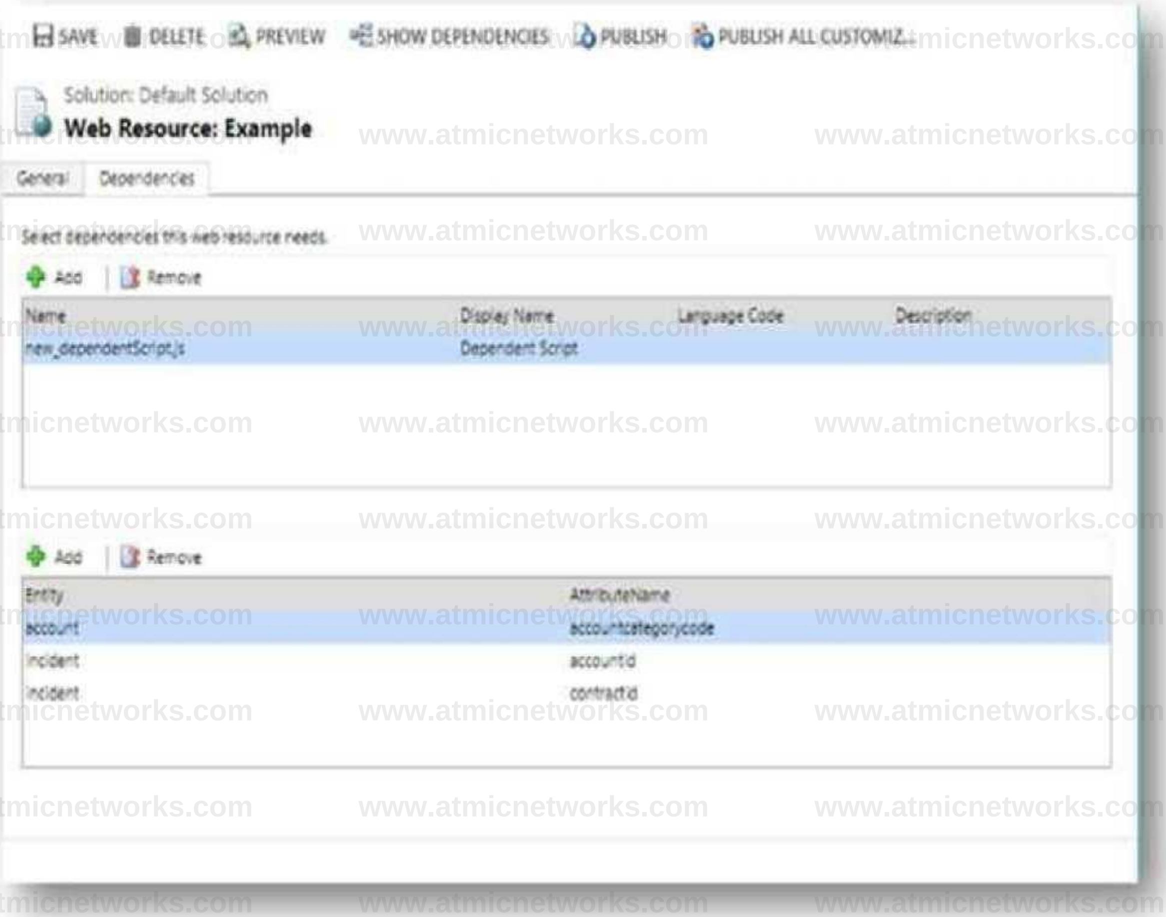
B. No

Answer: A

Explanation:

Within a solution you can define dependencies within solution components. Up until Dynamics 365 for Customer Engagement apps version 9.0 the main purpose of these dependencies was to prevent the deletion of a solution component when another solution component depended on it.

The following image shows the dependencies tab within the web resource form. Dependencies between web resources are set in the top list.



Solution: Default Solution

Web Resource: Example

Select dependencies this web resource needs.

Name	Display Name	Language Code	Description
new_dependentScript.js	Dependent Script		

Entity	AttributeName
account	accountcategorycode
incident	accountid
incident	contractid

Reference:
[https://docs.microsoft.com/en-us/dynamics365/customerengagement/on- premises/developer/web-resource-dependencies](https://docs.microsoft.com/en-us/dynamics365/customerengagement/on-premises/developer/web-resource-dependencies)

Question: 163

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

A Common Data Service (CDS) environment has two custom entities named Building code and Work item. Building code has a code date custom field and Work item has an elapsed time custom field. Construction workers use a consolidated custom form with data from both entities to fill.in their daily work items.

A JavaScript library is used with these custom entities and fields to apply complex logic.

You need to ensure that the JavaScript library continues to function as originally designed if other developers expand the environment.

Solution:
In the Building code form, add the JavaScript library in the events tab and the Code date field to the non-event dependencies.
In the Work item form, add the JavaScript library in the Events tab and the Elapsed time field to the non-event dependencies.

Does the solution meet the goal?

A. Yes
B. No

Answer: B

Explanation:

Instead, in the JavaScript library, add Building code with Code date and Work item with Elapsed time in the dependencies tab.

Reference:
[https://docs.microsoft.com/en-us/dynamics365/customerengagement/on- premises/developer/web-resource-dependencies](https://docs.microsoft.com/en-us/dynamics365/customerengagement/on-premises/developer/web-resource-dependencies)

Question: 164

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

An organization has an Azure SQL Database instance that must be synchronized daily with data from Dynamics 365 Sales. A large amount of data might need to be synchronized on some days.

You need to reduce the time required to synchronize data.

Solution:
Enable change tracking for entities that will be synchronized.
Implement a console application that queries for changes.

Does the solution meet the goal?

A. Yes
B. No

Answer: B

Explanation:

Instead use the Data Export Service to sync data between the database and Dynamics 365 Sales.

Reference:
https://docs.microsoft.com/en-us/power-platform/admin/enable-change-tracking-control-data- synchronization

Question: 165

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

An organization has an Azure SQL Database instance that must be synchronized daily with data from Dynamics 365 Sales. A large amount of data might need to be synchronized on some days.

You need to reduce the time required to synchronize data.

Solution:
Enable change tracking for entities that will be synchronized.
Use the Data Export Service to sync data between the database and Dynamics 365 Sales.

Does the solution meet the goal?

A. Yes

B. No

Answer: A

Explanation:

Large organizations that synchronize their data with external data sources can now enable entities for change tracking. You can export or retrieve a selected set of data, and then keep the external data warehouse in sync.

The Data Export Service is an add-on service made available on Microsoft AppSource that adds the ability to replicate data from Common Data Service database to an Azure SQL Database store in a customer-owned Azure subscription.

The Data Export Service intelligently synchronizes the entire data initially and thereafter synchronizes on a continuous basis as changes occur (delta changes) in the system.

You can use the Data Export Service with model-driven apps in Dynamics 365, such as Dynamics 365

Sales and Dynamics 365 Customer Service.

Reference:
https://docs.microsoft.com/en-us/power-platform/admin/enable-change-tracking-control-data- synchronization

https://docs.microsoft.com/en-us/power-platform/admin/replicate-data-microsoft-azure-sql- database

Question: 166

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

An organization has an Azure SQL Database instance that must be synchronized daily with data from Dynamics 365 Sales. A large amount of data might need to be synchronized on some days.

You need to reduce the time required to synchronize data.

Solution:
Write a SSIS package to connect to the source and target.
Develop the SSIS package to find the records by the Modified on field.
Create or update the records in the database instance based on results.

Does the solution meet the goal?

A. Yes

B. No

Answer: B

Explanation:

Instead enable change tracking for entities that will be synchronized, and use the Data Export Service to sync data between the database and Dynamics 365 Sales.

Reference:

https://docs.microsoft.com/en-us/power-platform/admin/enable-change-tracking-control-data- synchronization

https://docs.microsoft.com/en-us/power-platform/admin/replicate-data-microsoft-azure-sql- database

Question: 167

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution. Determine whether the solution meets the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

A university has implemented Dynamics 365 Customer Engagement. Several departments use opportunity records to bid for funding for projects within their own departments.

Each department's opportunities are not visible to other departments. However, there are times when two departments need to work together on an opportunity.

You need to configure the security to meet the business requirements.

Solution: Share the individual opportunity that member of one department are working on with all members of the second department, and give those members the appropriate permissions.

Does the solution meet the goal?

A. Yes

B. No

Answer: B

Explanation:

Question: 168

HOTSPOT

You create a suite of Power Platform-based order management canvas apps for a bakery that has five retail stores. Each store uses a tablet device to manage inventory and process orders.

You need to make the following changes to the original order tracking app:

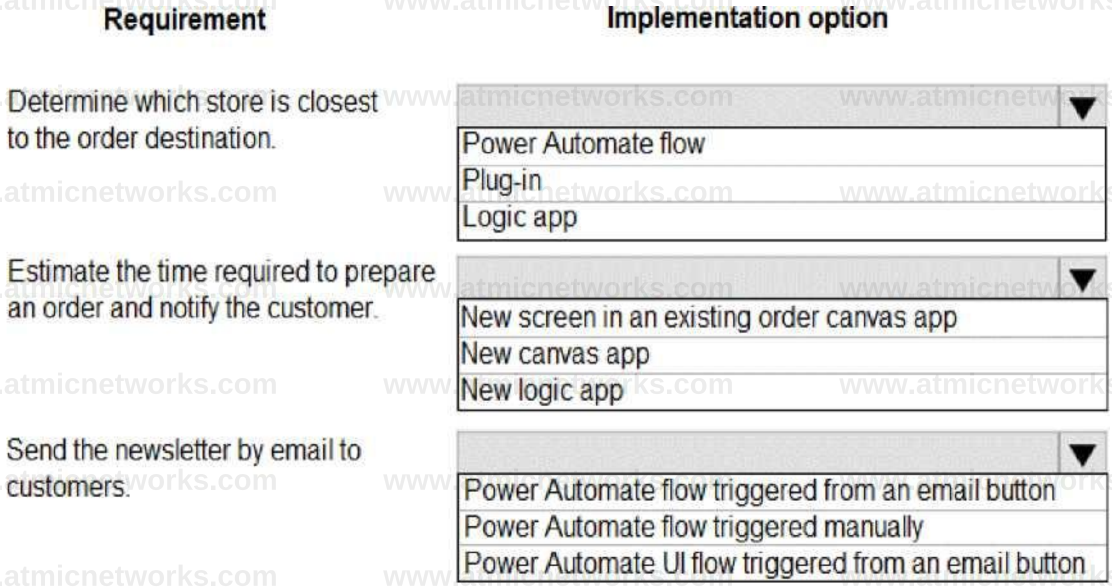
When an online order for delivery is received, send the order to the bakery that is located closest to the order destination.

When an online order for pickup is received, require store staff to enter an estimated time in an app. Staff must prepare the order and then use the app to notify the customer when the order is ready. Allow the store manager to personalize the company's corporate weekly newsletter and add storespecific specials.

You must minimize the amount of custom code and configuration required to implement the solution.

What should you use? To answer, select the appropriate options in the answer area.

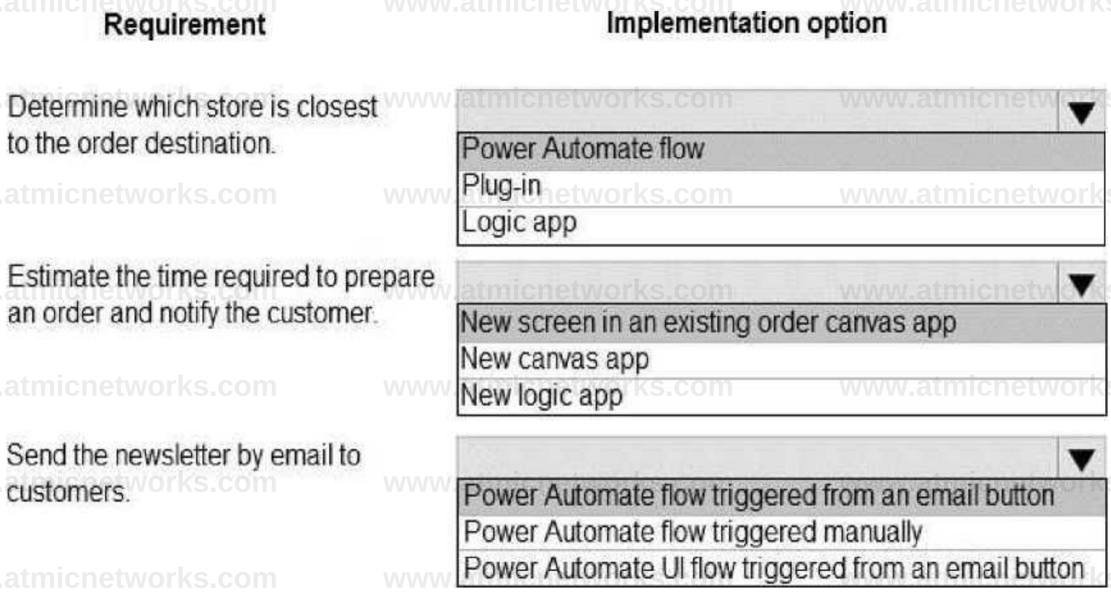
NOTE: Each correct selection is worth one point.



Requirement	Implementation option
Determine which store is closest to the order destination.	Power Automate flow Plug-in Logic app
Estimate the time required to prepare an order and notify the customer.	New screen in an existing order canvas app New canvas app New logic app
Send the newsletter by email to customers.	Power Automate flow triggered from an email button Power Automate flow triggered manually Power Automate UI flow triggered from an email button

Answer:

Explanation:



Requirement	Implementation option
Determine which store is closest to the order destination.	Power Automate flow Plug-in Logic app
Estimate the time required to prepare an order and notify the customer.	New screen in an existing order canvas app New canvas app New logic app
Send the newsletter by email to customers.	Power Automate flow triggered from an email button Power Automate flow triggered manually Power Automate UI flow triggered from an email button

Box 1: Custom self-service portal for both employers and job candidates

If you select an environment that contains customer engagement, you can create the following portals:

Customer self-service portal: A customer self-service portal enables customers to access self-service knowledge, support resources, view the progress of their cases, and provide feedback.

Partner portal: A partner portal allows every organization with resellers, distributors, suppliers, or partners to have real-time access to every stage of shared activities.

Employee self-service portal: An employee self-service portal creates an efficient and well-informed workforce by streamlining common tasks and empowering every employee with a definitive source of knowledge.

Box 2: Model-driven app with push notifications

Compared to canvas apps, model-driven apps in PowerApps are based on underlying data — specifically, the data stored in Common Data Service (CDS).

Box 3: Webform with target set to the job custom entity

Box 4: Configure a value for the Execute Workflow on Redeeming Contact option only.

Execute Workflow on Redeeming Contact: A workflow process to be executed when the invite is redeemed. The workflow will be passed the redeeming contact as the primary entity.

Box 5: Configure the value for the Assigned to Account option only.

Assign to Account: An account record to be associated as the redeeming contact's parent customer when the invite is redeemed.

Reference:

https://docs.microsoft.com/en-us/powerapps/maker/portals/portal-templates https://global.hitachi-solutions.com/blog/canvas-vs-model-driven-apps

https://docs.microsoft.com/en-us/powerapps/maker/portals/configure/invite-contacts#invitation- attributes

Question: 169

A company has an application that provides API access. You plan to connect to the API from a canvas app by using a custom connector.

You need to request information from the API developers so that you can create the custom connector.

Which two types of files can you use? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

A. YAML

B. WSDL

C. OpenAPI definition

D. Postman collection

Answer: CD

Explanation:

OpenAPI definitions or Postman collections can be used to describe a custom connector.

Reference:

https://docs.microsoft.com/en-us/connectors/custom-connectors/faq

Question: 170

You plan to create a canvas app to manage large sets of records. Users will filter and sort the data.

You must implement delegation in the canvas app to mitigate potential performance issues.

You need to recommend data sources for the app.

Which two data sources should you recommend? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

A. SQL Server

B. Common Data Service

C. Azure Data Factory

D. Azure Table Storage

Answer: AB

Explanation:

Delegation is supported for certain tabular data sources only. If a data source supports delegation, its connector documentation outlines that support. For example, these tabular data sources are the most popular, and they support delegation:

Power Apps delegable functions and operations for Microsoft Dataverse

Power Apps delegable functions and operations for SharePoint

Power Apps delegable functions and operations for SQL Server

Power Apps delegable functions and operations for Salesforce reason 1--> Azure data factory is not mentioned in MS documentation

reason 2 --> Azure is not an actual data (questions asks for data sources) source but ETL a service for scale-out serverless data integration and data transformation.

https://docs.microsoft.com/en-gb/powerapps/maker/canvas-apps/delegation-overview

Question: 171

A travel company has a Common Data Service (CDS) environment.

The company requires the following:

Custom entities that track which regions clients have traveled.

The dates their clients traveled to these regions.

You need to create the entities and relationships to meet the requirements.

Which three actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

A. Create a N:N relationship from Contact to the Region entity.

B. Create a 1:N relationship from the ContactRegion intersect entity and Region.

C. Create an intersect entity named ContactRegion and create 1:N relationships to Contact and Region.

D. On the main form for ContactRegion, add lookup fields for Contact and Region, and a date field for the visit date.

E. Create a 1:N relationship from Contact to the Region entity.

F. Create the Region entity.

G. On the main form for ContactRegion, add a sub-grid to view country information.

H. Create an intersect entity named ContactRegion and create N:1 relationships to Contact and Region.

Answer: CDF

Explanation:

Need a Region entity, a intersect entity ContactRegion between Contact and Region, and a way to input region visits.

Question: 172

A company uses Common Data Service rollup fields to calculate insurance exposure and risk profiles for customers.

Users report that the system does not update values for the rollup fields when new insurance policies are written.

You need to recalculate the value of the rollup fields immediately after a policy is created.

What should you do?

A. Create a plug-in that uses the update method for the rollup field. Configure a step on the Create event for the policy entity for this plug-in.

B. Update the Mass Calculate Rollup Field job to trigger when a new policy record is created.

C. Change the frequency of the Calculate Rollup Field recurring job from every hour to every five minutes.

D. Create new fields on the customer entity for insurance exposure and risk. Write a plug-in that is triggered whenever a new policy record is created.

Answer: C

Explanation:

As a system administrator, you can modify the rollup job recurrence pattern, postpone, pause, or resume the rollup job.

To pause, postpone, resume, or modify the recurrence pattern, you must view the system jobs. More information View Rollup jobs

On the nav bar, choose Actions and select the action you want.

For the Calculate Rollup Field job, the available selections are: Modify Recurrence, Resume, Postpone, and Pause.

For the Mass Calculate Rollup Field job, the available selections are: Resume, Postpone, and Pause.

Note: Calculate Rollup Field is a recurring job that does incremental calculations of all rollup columns in the existing rows for a specified table. There is only one Calculate Rollup Field job per table. The incremental calculations mean that the Calculate Rollup Field job processes the rows that were created, updated, or deleted after the last Mass Calculate Rollup Field job finished execution. The default maximum recurrence setting is one hour. The job is automatically created when the first rollup column on a table is created and deleted when the last rollup column is deleted.

Incorrect Answers:
B. Mass Calculate Rollup Field is a recurring job, created per a rollup column. It runs once, after you created or updated a rollup column. The job recalculates the specified rollup column value in all existing rows that contain this column. By default, the job will run 12 hours after you created or

updated a column. After the job completes, it is automatically scheduled to run in the distant future, approximately, in 10 years. If the column is modified, the job resets to run again in 12 hours after the update. The 12-hour delay is needed to assure that the Mass Calculate Rollup Field runs during the non-operational hours of the environment.

Reference:
https://docs.microsoft.com/en-us/powerapps/maker/data-platform/define-rollup-fields

Question: 173

DRAG DROP

An international organization has a series of client-server applications that manage red light cameras and traffic violations across a wide geographic region. The daily volume of traffic violations is very high and growing.

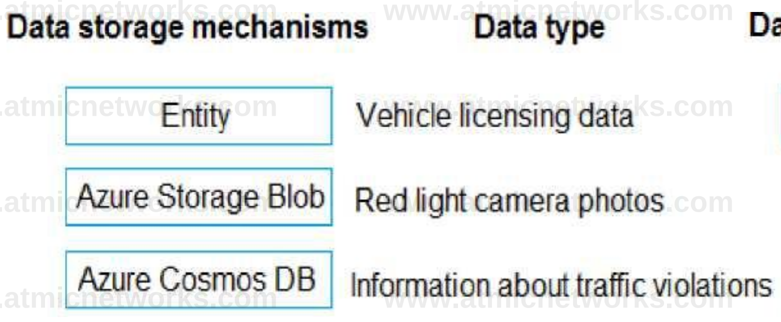
You plan to use Microsoft Power Platform apps to manage the following types of data:

Existing vehicle licensing data must be imported into Common Data Service and easily queried.
Red light camera images must be stored in a repository for later analysis.
Information about traffic violations must be stored and related to vehicle details.

You need to select data storage mechanisms for the new apps.

Which data storage mechanisms should you use? To answer, drag the appropriate data storage mechanisms to the correct data types. Each storage mechanism may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

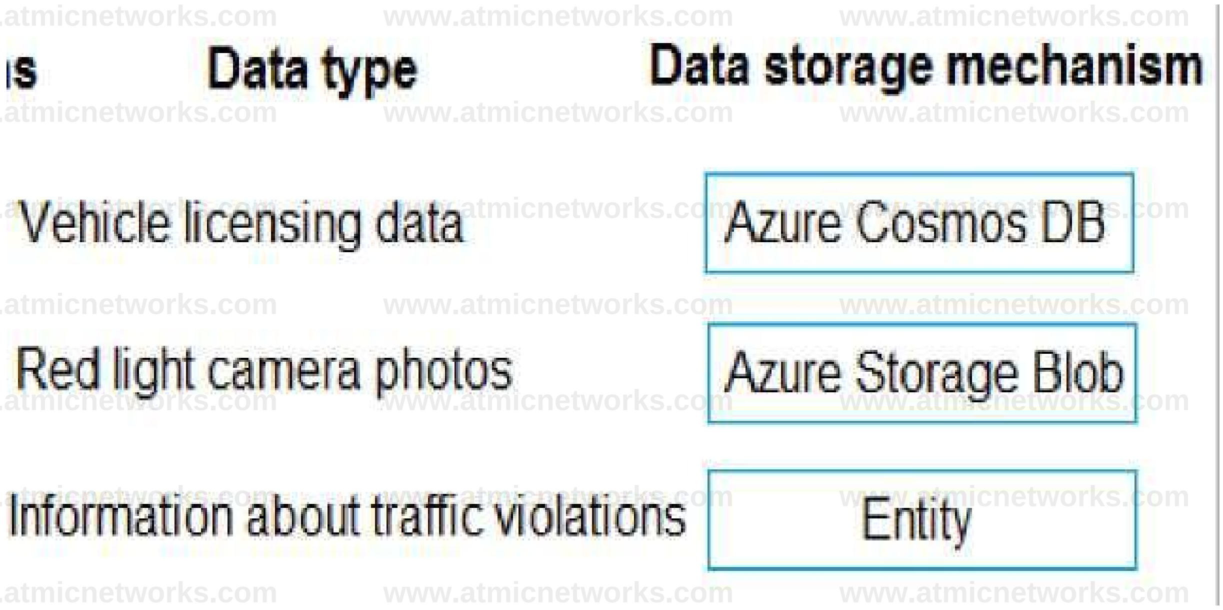
NOTE: Each correct selection is worth one point.



Data storage mechanisms	Data type	Data storage mechanism
Entity	Vehicle licensing data	
Azure Storage Blob	Red light camera photos	
Azure Cosmos DB	Information about traffic violations	

Answer:

Explanation:

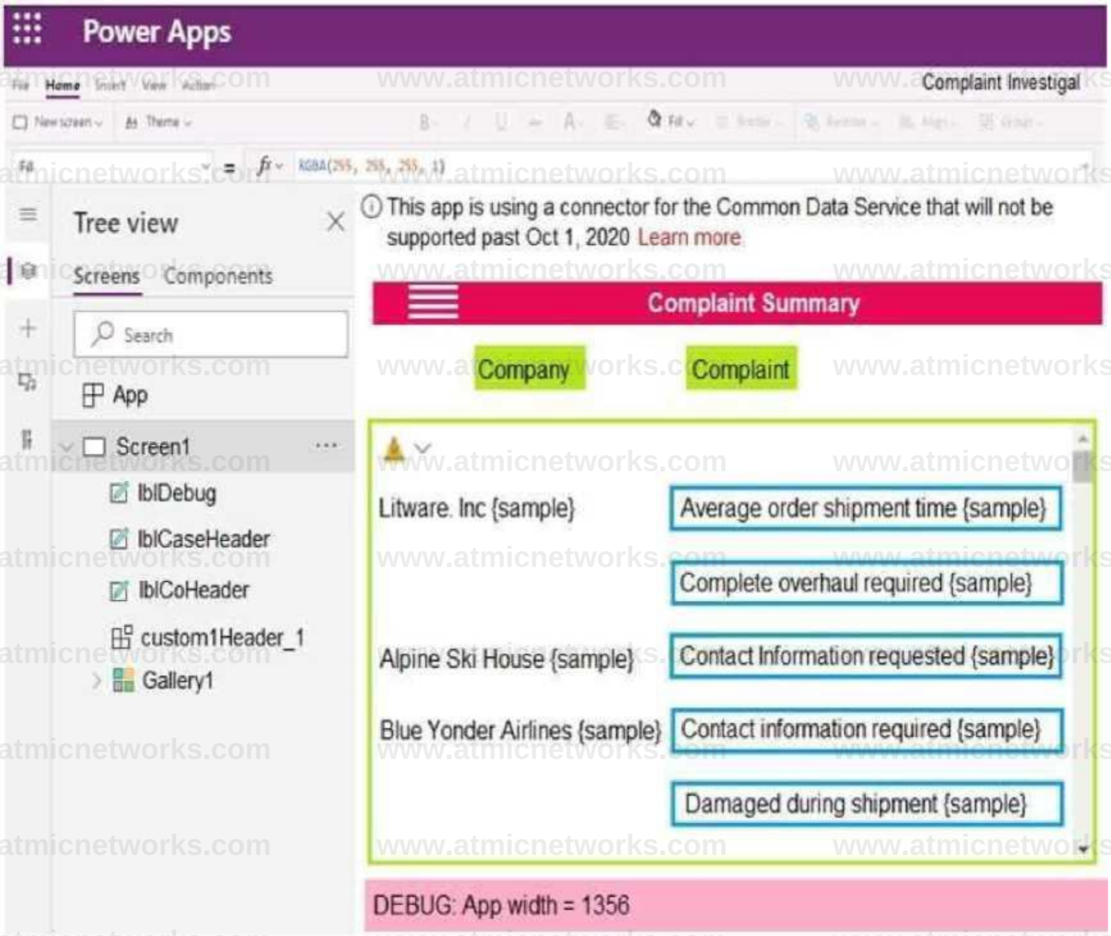


Data type	Data storage mechanism
Vehicle licensing data	Azure Cosmos DB
Red light camera photos	Azure Storage Blob
Information about traffic violations	Entity

Question: 174

HOTSPOT

You open a canvas app in edit mode. A warning message displays as shown in the graphic.



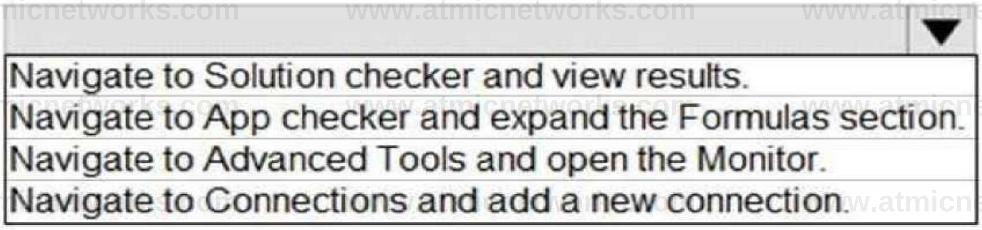
ⓘ This app is using a connector for the Common Data Service that will not be supported past Oct 1, 2020 Learn more

DEBUG: App width = 1356

Use the drop-down menus to select the answer choice that answers each question based on the information presented in the graphic.

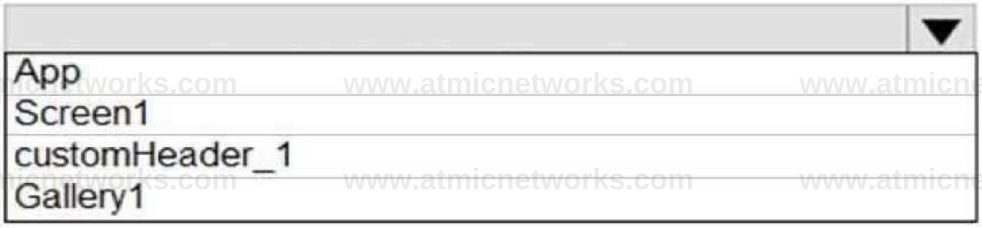
NOTE: Each correct selection is worth one point.

You need to troubleshoot the warning. What should you do?



Navigate to Solution checker and view results.
Navigate to App checker and expand the Formulas section.
Navigate to Advanced Tools and open the Monitor.
Navigate to Connections and add a new connection.

Which component should you troubleshoot?

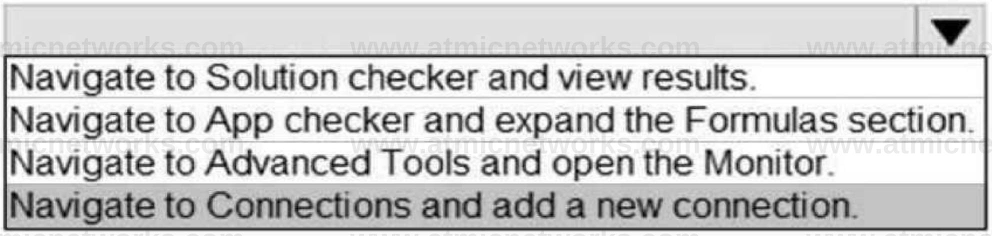


App
Screen1
customHeader_1
Gallery1

Answer:

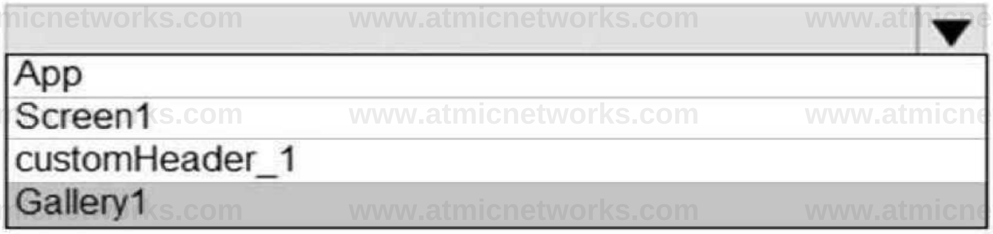
Explanation:

You need to troubleshoot the warning. What should you do?



Navigate to Solution checker and view results.
Navigate to App checker and expand the Formulas section.
Navigate to Advanced Tools and open the Monitor.
Navigate to Connections and add a new connection.

Which component should you troubleshoot?



App
Screen1
customHeader_1
Gallery1

Box 1: Navigate to Connections and add a new connection

Error message: This app is using a connector for the Common Data Service will not be supported past Oct 1, 2020.

To convert your app that uses the Common Data Service 365 connector, you'll need to remove and add the connections to your data sources.

Box 2: Gallery1

Reference:

https://docs.microsoft.com/en-us/powerapps/maker/canvas-apps/use-native-cds-connector

Question: 175

A company implements Dynamics 365 Supply Chain Management.

The company wants a button to display in the command bar when viewing accounts.

You need to add the button using the Ribbon Workbench.

In which three areas can you add a button for the Account entity? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

A. In the home area for Accounts.

B. In the main body of a form.

C. On the main application window.

D. On the associated view of the account.

E. On the Account form.

Answer: ADE

Explanation:

The Ribbon Workbench requires a solution to load that contains the entities that you wish to work on.

Reference:

https://community.dynamics.com/crm/f/microsoft-dynamics-crm-forum/371643/add-a-button-on-account-listview-in-dynamics-crm

Question: 176

You create a Power Virtual Agents chatbot in an environment named Environment1. A colleague creates a Power Automate flow in the default solution in the default environment.

The chatbot in Environment1 does not recognize the flow in the default environment.

You need to ensure the chatbot can access the flow.

Which two actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

A. Add the Power Automate flow to a solution in Environment1.

B. Send a copy of the Power Automate flow from the default environment.

C. Add the Power Automate flow to a solution in the default environment.

D. Export the solution from the default environment and import the solution into Environment1.

E. Share the Power Automate flow from the default environment.

Answer: AE

Explanation:

F. The flow needs to be shared as it was created by another person.

A: To be available to your bots, flows must be stored in a solution in Power Automate. If you do not want to use
the Default Solution for this purpose, you can move your flows to another solution.

Incorrect Answers:

C: The flow is already in the default solution in the default environment.

D: You move the flow, not export and import the solution.

Reference:
https://docs.microsoft.com/en-us/power-virtual-agents/environments-first-run-experience

Question: 177

A customer wants to design a complex business process flow that includes six custom entities and four stages for each entity. One of the stages will have 15 steps.
You need to explain the flaw in this design to the customer.
What is the flaw in this design?

A. The maximum number of custom entities has been exceeded.
B. The maximum number of steps for a stage has been exceeded.
C. The maximum number of stages for an entity has been exceeded.
D. The minimum number of stages for an entity has not been met.
E. The minimum number of steps for a stage has not been met.

Answer: A

Explanation:

Maximum number of processes, stages, and steps:

To ensure acceptable performance and the usability of the user interface, there are some limitations you need
to be aware of when you plan to use business process flows:
Multi-entity processes can contain no more than five entities.
There can be no more than 10 activated business process flow processes per entity.
Each process can contain no more than 30 stages.

Reference:
https://docs.microsoft.com/en-us/power-automate/business-process-flows-overview

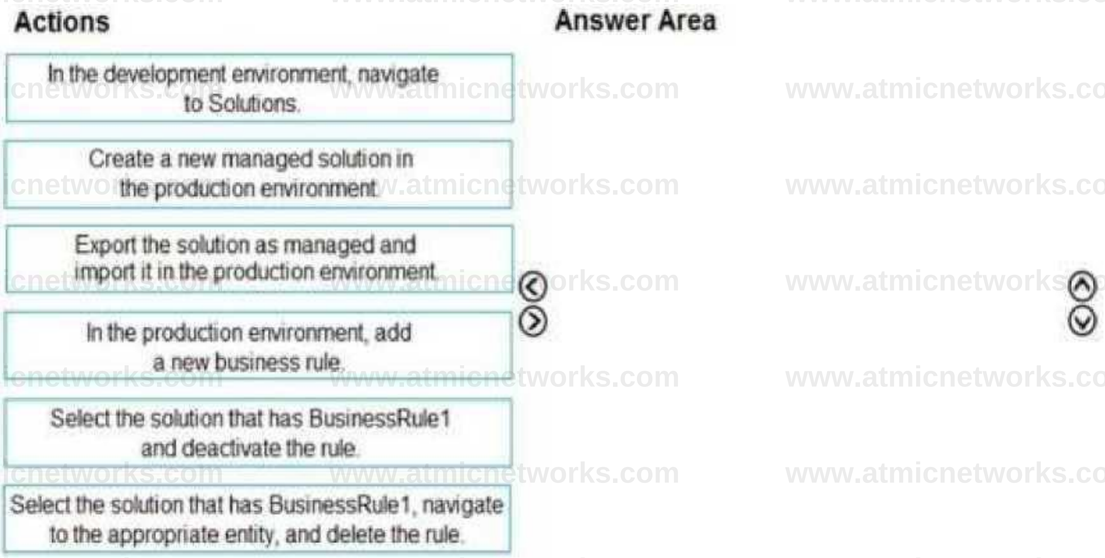
Question: 178

DRAG DROP

An organization has a Dynamics 365 Sales environment. In the development environment, you create a business rule named BusinessRule1 on the Account entity. You deploy BusinessRule1 to production as part of a managed solution.

You need to remove BusinessRule1 from the production environment.

Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.



Actions

- In the development environment, navigate to Solutions.
- Create a new managed solution in the production environment.
- Export the solution as managed and import it in the production environment.
- In the production environment, add a new business rule.
- Select the solution that has BusinessRule1 and deactivate the rule.
- Select the solution that has BusinessRule1, navigate to the appropriate entity, and delete the rule.

Answer Area

Answer:

Explanation:

In the development environment, navigate to Solutions

Export the solution as managed and import it in the production environment

Select the solution that has BusinessRulel, navigate to the appropriate entity, and delete the rule.

Step 1: In the development environment, navigate to Solutions.

The only supported way of transferring customizations from one CRM organization to another has been through Solutions.

With Solution Management came the concept of Managed and Unmanaged Solutions.

Step 2: Export the solution as managed and import it in the production environment.

Managed is a way to protect your IP (Intellectual Property) with an easy concept of install and uninstall.

Step 3: Select the solution that has BusinessRule1, navigate to the appropriate entity, and delete the rule.

Reference:

https://www.inogic.com/blog/2016/01/solution-management-with-dynamics-crm-2016/

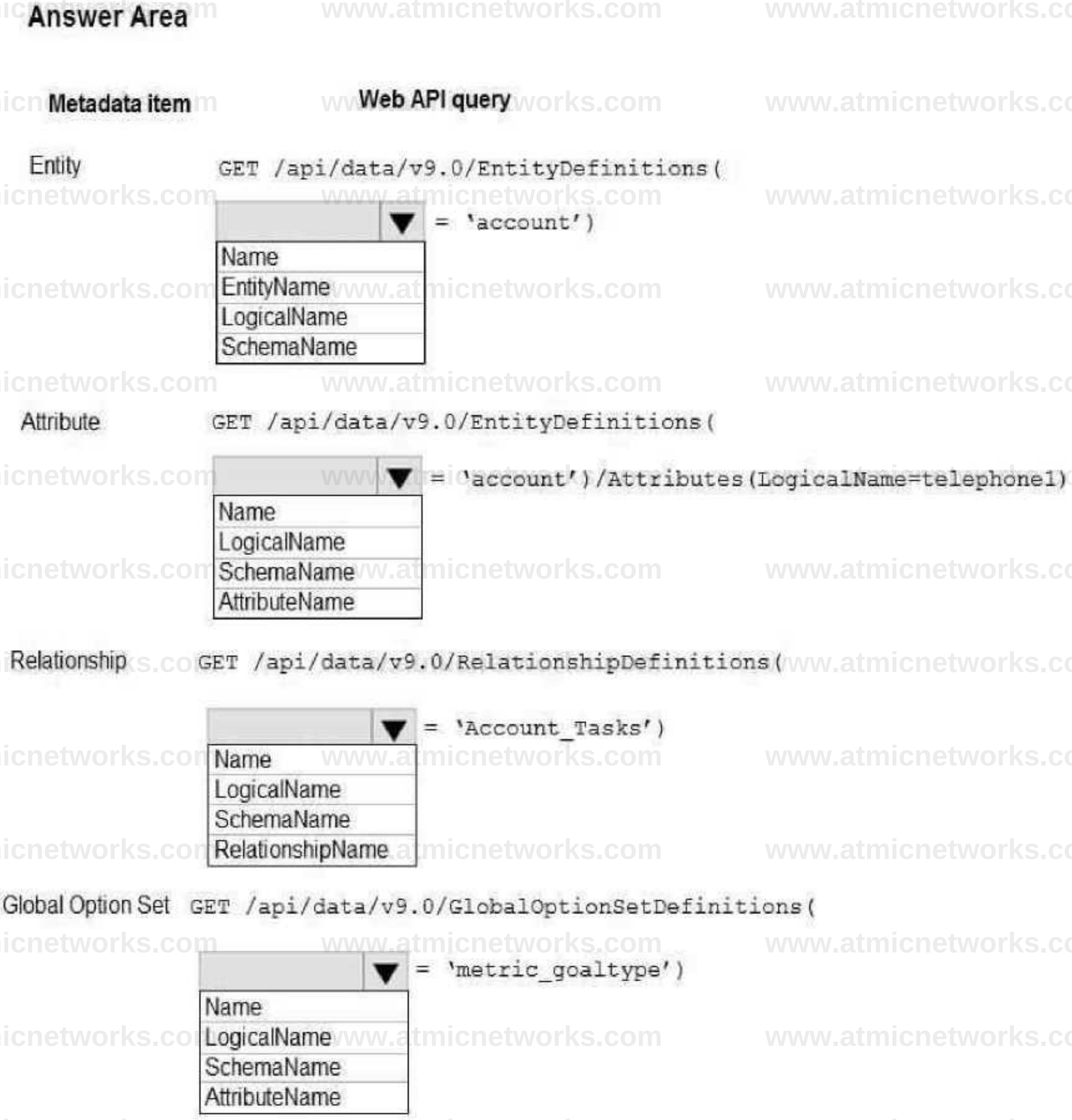
Question: 179

HOTSPOT

You need to use the Dynamics 365 Sales Web API to retrieve metadata information.

How should you complete the Web API queries? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.



Answer Area

Metadata item | **Web API query**

Entity

```
GET /api/data/v9.0/EntityDefinitions(
[▼] = 'account')
```

- Name
- EntityName
- LogicalName
- SchemaName

Attribute

```
GET /api/data/v9.0/EntityDefinitions(
[▼] = 'account')/Attributes(LogicalName=telephone1)
```

- Name
- LogicalName
- SchemaName
- AttributeName

Relationship

```
GET /api/data/v9.0/RelationshipDefinitions(
[▼] = 'Account_Tasks')
```

- Name
- LogicalName
- SchemaName
- RelationshipName

Global Option Set

```
GET /api/data/v9.0/GlobalOptionSetDefinitions(
[▼] = 'metric_goaltype')
```

- Name
- LogicalName
- SchemaName
- AttributeName

Answer:

Explanation:

Answer Area

Metadata item	Web API query
Entity	`GET /api/data/v9.0/EntityDefinitions(` ▼ `= 'account')`
Attribute	`GET /api/data/v9.0/EntityDefinitions(` ▼ `= 'account')/Attributes(LogicalName=telephone1)`
Relationship	`GET /api/data/v9.0/RelationshipDefinitions(` ▼ `= 'Account_Tasks')`
Global Option Set	`GET /api/data/v9.0/GlobalOptionSetDefinitions(` ▼ `= 'metric_goaltype')`

Entity options:
- Name
- EntityName
- LogicalName ✓
- SchemaName

Attribute options:
- Name
- LogicalName ✓
- SchemaName
- AttributeName

Relationship options:
- Name
- LogicalName
- SchemaName ✓
- RelationshipName

Global Option Set options:
- Name ✓
- LogicalName
- SchemaName
- AttributeName

Entity: LogicalName

Querying the EntityMetadata entity type:

GET [Organization URI]/api/data/v9.0/EntityDefinitions(LogicalName='account')

Attribute: LogicalName

Retrieving attributes:

GET [Organization URI]/api/data/v9.0/EntityDefinitions(LogicalName='account')/Attributes(

Relationship: SchemaName

Querying relationship metadata:

Entity relationships can also be queried using the RelationshipDefinitions entity set. You can use a query like the following to get the SchemaName property for every relationship.

GET [Organization URI]/api/data/v9.0/RelationshipDefinitions?$select=SchemaName

Global Option Set: Name

Querying Global OptionSets:

GET /api/data/v9.0/GlobalOptionSetDefinitions(Name='metric_goaltype')

Note: Retrieving items by name is generally easier because you probably already have some reference to the metadata item name in your code. The following table lists the alternate key properties for retrieving metadata items by name.

Metadata item	Alternate Key	Example
Entity	LogicalName	GET /api/data/v9.0/EntityDefinitions(LogicalName='account')
Attribute	(^^IC4l\»lhie	GET /Ml /«•«/ v9 .e?£«tlt/Det 15 ItlDflS^ Lc^Uiim^e-' account*) /Attributes (Log ILBIMM-' tatlladdressl')
feUuonjhip	SchemiNafne	at* *r: ^*- ^.«/VUtl:X'«Mj>C«firTitl3n* I.<:'"»~**-»- lrTCurrt_T«*»% I
G*CU1 Option Set	N*rn<	GET / apl'**!•.•>?.a/iitabalOcrlanSetDefInttions(NMie-' ■ctriC-.joaitypft

Reference:
https://docs.microsoft.com/en-us/powerapps/developer/data-platform/webapi/query-metadata- web-api

Question: 180

You are creating a custom connector in Power Apps to connect to a third-party application.

The definition in the connector must be set so that it is not visible to the end user.

You need to select the appropriate visibility parameter.

Which parameter should you use?

A. important

B. none

C. internal

D. advanced

Answer: C

Explanation:

Leave the Visibility property set to none. This property for operations and parameters in a logic app or flow has the following options:

none: displayed normally in the logic app or flow

advanced: hidden under an additional menu

internal: hidden from the user

important: always shown to the user first

Reference:
https://docs.microsoft.com/en-us/connectors/custom-connectors/define-blank

Question: 181

HOTSPOT

A model-driven app has the following JavaScript code. The code is attached to the OnChange event of the Phone (telephone1) field on the Account entity.

```
var telephone = formContext.getAttribute("telephonel").getValue();
if (!telephone) { return;
J
var contact = formContext.getAttribute("primarycontactid").getValue();
var data = { "telephonel": telephone )
Xrm.WebApi.updateRecord("contact", contact[0].id, data).then( function ()
      {
           Xrm.Navigation.openAlertDialog("Updated");

      function () {
           var errorOptions - { "message": "Not Updated" };
           Xrm.Navigation.openAlertDialog(errorOptions); }
)
```

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

	Yes	No
When the code runs and the Primary contact (primarycontactid) field is populated, the Contact record's Phone (telephonel) field is updated to match the Account.	○	○
When the code runs and the Primary contact (primarycontactid) field is not populated, the following error message displays: Not Updated	○	○
When the code runs and the value in Phone (telephonel) is removed, the Contact record's Phone (telephonel)field is updated to null	○	○

Answer:

Explanation:

	Yes	No
When the code runs and the Primary contact (primarycontactid) field is populated, the Contact record’s Phone (telephonel) field is updated to match the Account.		○
When the code runs and the Primary contact (primarycontactid) field is not populated, the following error message displays. Not Updated		○
When the code runs and the value in Phone (telephonel) is removed, the Contact record's Phone (telephonel) field is updated to null.	○	○

Box 1: Yes

Xrm.WebApi.updateRecord updates a table record.

Syntax:

Xrm.WebApi.updateRecord(entityLogicalName, id, data).then(successCallback, errorCallback);

Box 2: Yes

Box 3: No

No action would be taken.

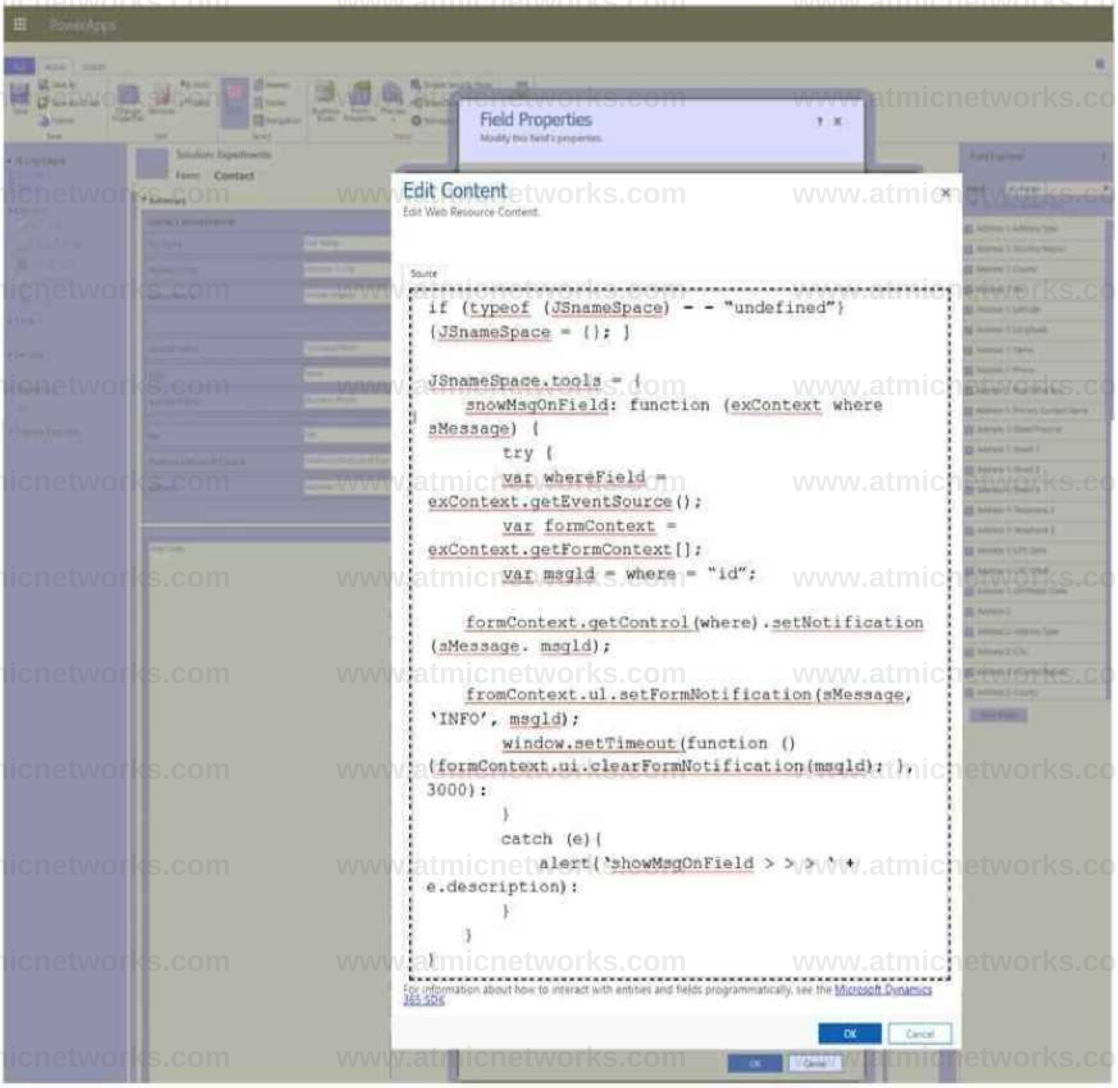
Reference:

https://docs.microsoft.com/en-us/powerapps/developer/model-driven- apps/clientapi/reference/xrm-webapi/updaterecord

Question: 182

HOTSPOT

A JavaScript function on a Contact form alerts users to what they need to type, as shown in the JavaScript Code exhibit. (Click the JavaScript Code tab.)



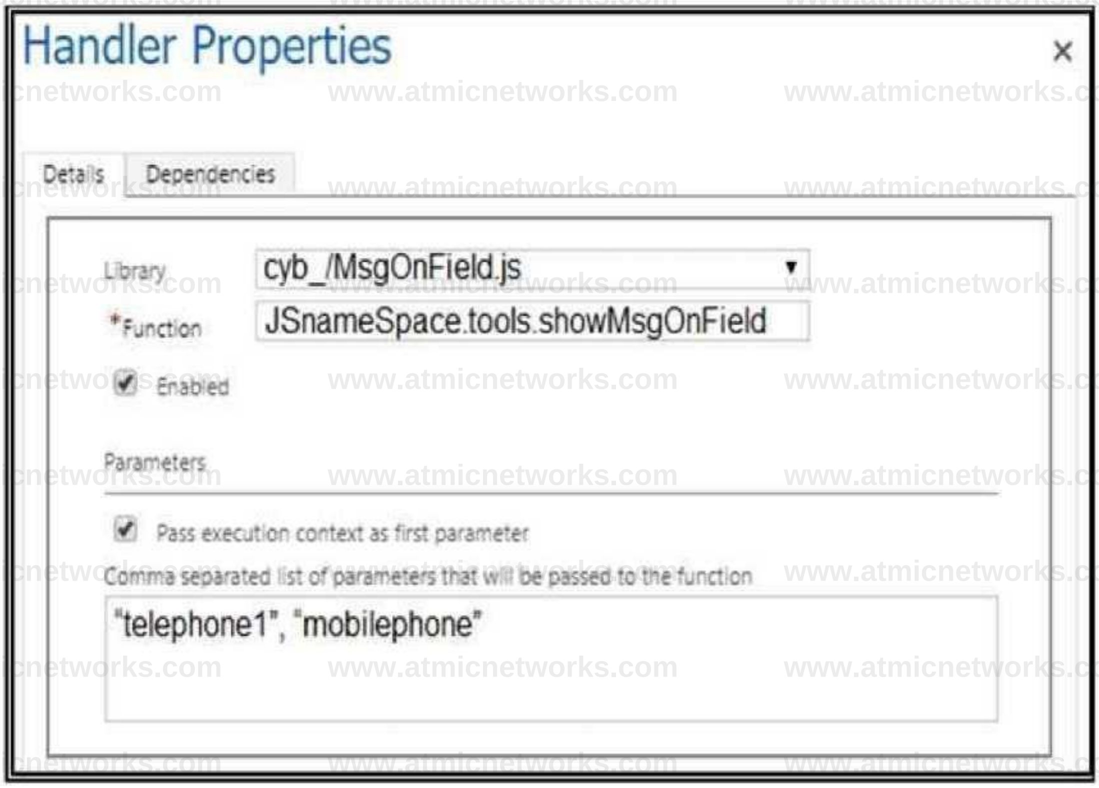
```
if (typeof (JSnameSpace) - - "undefined")
{JSnameSpace = {}; }

JSnameSpace.tools = {
    snowMsgOnField: function (exContext where
sMessage) {
        try {
        var whereField =
exContext.getEventSource();
        var formContext =
exContext.getFormContext[];
        var msgld = where = "id";

    formContext.getControl(where).setNotification
(sMessage. msgld);

    fromContext.ul.setFormNotification(sMessage,
'INFO', msgld);
        window.setTimeout(function ()
(formContext.ui.clearFormNotification(msgld); },
3000):
        }
        catch (e){
            alert('showMsgOnField > > > ' +
e.description):
        }
    }
}
```

The Business Phone field has the OnChange event handler defined as shown in the Event Handler exhibit. (Click the Event Handler tab.)



Library: cyb_/MsgOnField.js

*Function: JSnameSpace.tools.showMsgOnField

☑ Enabled

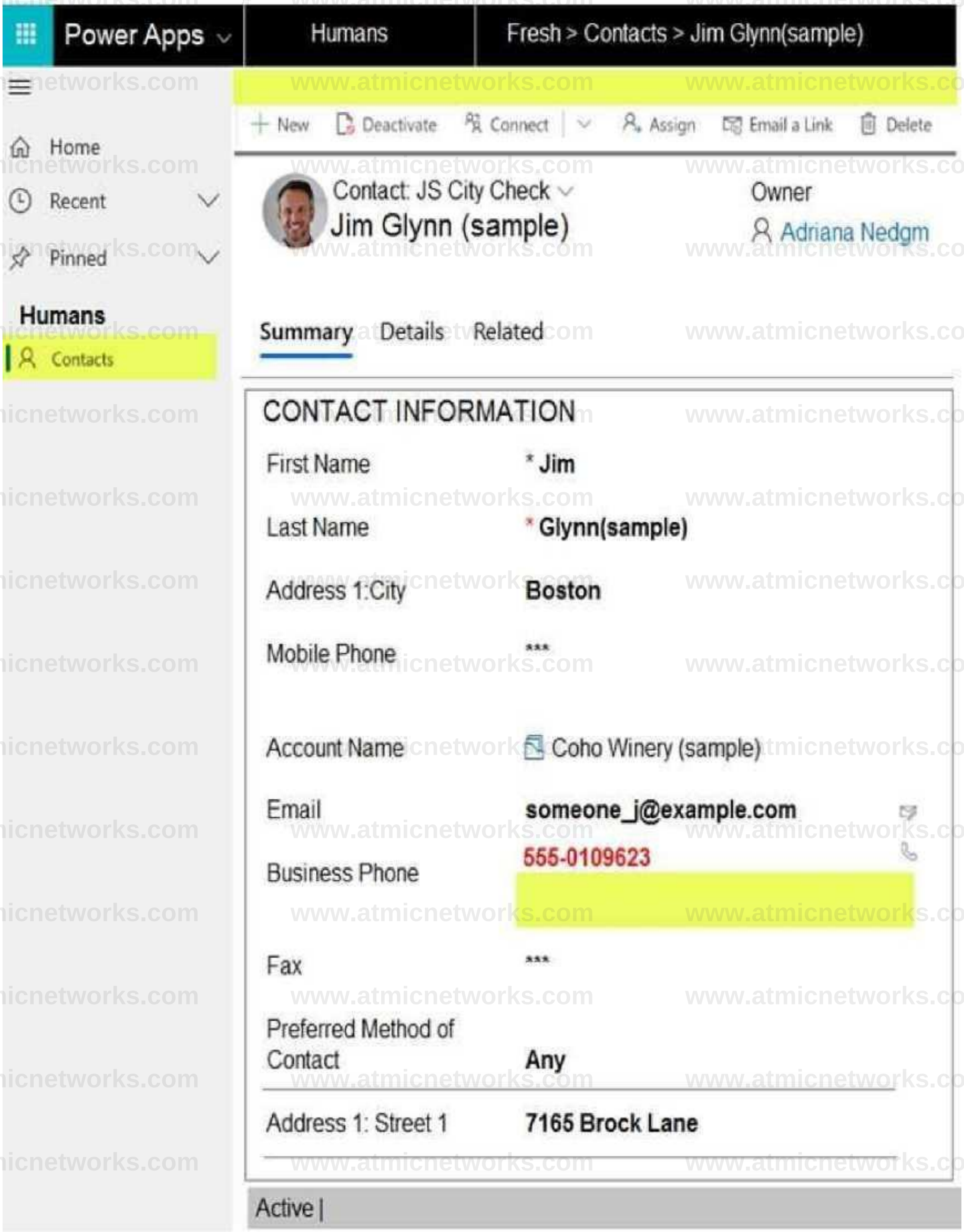
Parameters

☑ Pass execution context as first parameter

Comma separated list of parameters that will be passed to the function

"telephone1", "mobilephone"

Users report that there is incorrect wording on the Contact page, as shown in the Contact exhibit. (Click the Contact tab.)



Contact: JS City Check

Jim Glynn (sample)

Owner

Adriana Nedgm

CONTACT INFORMATION

First Name * Jim

Last Name * Glynn(sample)

Address 1:City Boston

Mobile Phone ***

Account Name Coho Winery (sample)

Email someone_j@example.com

Business Phone 555-0109623

Fax ***

Preferred Method of Contact Any

Address 1: Street 1 7165 Brock Lane

Active |

You need to determine what happens when a user modifies the business phone of a contact record.

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Statement	Yes	No
The message “telephone 1" shows in the Business Phone notification area		O
The message “mobilephone" shows in the Business Phone o notification area.		O
The message “telephonel" shows in the form notification Q area.		O
The message “mobilephone” show in the form notification area		0

Explanation:

Answer:

Statement	Yes	No
The message “telephonel'' shows in the Business Phone notification area		■
The message “mobilephone" shows in the Business Phone Q notification area.		Q
The message “telephonel" shows in the form notification Q area.		Q
The message “mobilephone" show in the form notification ^ area		$

Box 1: Yes

setNotification displays an error message for the control to indicate that data isn’t valid. When this method is used, a red "X" icon appears next to the control. On Dynamics 365 mobile clients, tapping on the icon will display the message.

Syntax: formContext.getControl(arg).setNotification(message,uniqueId);

Box 2: No

Box 3: Yes

setFormNotification displays form level notifications. You can display any number of notifications and they will be displayed until they are removed using clearFormNotification.

Syntax: formContext.ui.setFormNotification(message, level, uniqueId);

Box 4: No

Reference:

https://docs.microsoft.com/en-us/powerapps/developer/model-driven-apps/clientapi/reference/formcontext-ui/setformnotification

https://docs.microsoft.com/en-us/powerapps/developer/model-driven-apps/clientapi/reference/controls/setnotification

Question: 183

A company has two development instances, two test instances, two staging instances, and one production instance.

The test team reports connection issues with the test and staging instances.

You need to identify which of the instances the testing team currently has access.

Which two URLs can you use? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

A. https://globaldisco.crm.dynamics.com/api/discovery/v9.1/instances

B. https://myorg.api.crm.dynamics.com/api/data/v9.1/

C. https://dev.crm.dynamics.com/api/discovery/v9.1/instances

D. https://disco.crm.dynamics.com/api/discovery/v9.1/

E. https://dev.crm.dynamics.com/api/discovery/v9.1/instances(UniqueName=’myorg’)

Answer: CE

Explanation:

Organization information is stored in the Instance entity of the Discovery service. To see the kind of information contained in that entity, send an HTTP GET request to the service for one of your instances.

GET https://dev.{servername}/api/discovery/v9.0/Instances(UniqueName='myorg')

Example: Get the details of a specific instance. If you leave out the GUID, all instances that the authenticated user has access to are returned.

GET https://dev.{servername}/api/discovery/v9.0/Instances(<guid>)

Reference:

https://docs.microsoft.com/en-us/dynamics365/customerengagement/on-premises/developer/webapi/discoverurl-organization-web-api

Question: 184

You are a Dynamics 365 developer working on a model-driven app.

You add a button to an entity form and to the view for the entity that calls a JavaScript function.

When you click the button, it results in an error.

You determine that the JavaScript function is calling another JavaScript function in a different web resource.

You need to resolve the error.

What should you do?

A. In the JavaScript web resource, add the missing web resource as a dependency.

B. Add &ribbondebug=true to the app URL and run the Command Checker tool.

C. From the Ribbon Workbench, add the missing JavaScript web resource as a CustomRule in EnableRules.

Answer: A

Explanation:

When configuring ribbon elements, you can define specific rules to control when the ribbon elements are enabled.
Custom Rule uses the <CustomRule> element. Use this kind of rule to call a function in a Script (JScript) web resource that returns a Promise (Unified Interface) or boolean (Unified Interface and web client).
Reference:

https://docs.microsoft.com/en-us/powerapps/developer/model-driven-apps/define-ribbon-enable-rules

Question: 185

HOTSPOT

An organization has a custom Assignments entity that guides agent actions. Team leaders for each assignment group must be able to review any changes made to assignment data by their agents.

You have the following JSON segment:

```
"fodata.context*: "hUpi://otjxys,»ji:.cti»3.ciyfl«ii«.c«B/»pi/clKi/v9,i/SM:*4jt«*xy:_Miijra»nti |xy£_4sa:gra»tit!UM, xyi_j»cntcodt)*,
"Bodata.deltal.inic": "https://orgxyz. api.Cxm3.dyaaaxca.cam/api/data/v9.l/xyz_assignments?
5 select =xyz_ass; growr.tr.ams.
     xyt **cr<tcocte5daltatck»n«€529329210792f2092 £202092017k 3a2193cl3*( value": [

      "lodata.etag": “K/\'652815\“”,
      "xyi_assignmer.tnaae"; "spyOOT",
      "xyz_secretcode": "abc",
      "xyz_assigr.mer.tid": “*2?8f39e-a7ca-eaii-»B12-000d3af45c52”

      "lodata.etag": "W/\*6S2ei6\‘",
     *xyi_aMi9iiMntMiM": "»gant007",
     "xyx aacratcode": "123",
     "xyz_assignment£d": "lell(Jeac’a7ca-«all'a812-OOOd3af45cS2”
```

I

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

	Yes	No
You can use the JSON segment to retrieve a list of changes to the assignment records referenced in the segment		

You can use the data link to query the assignment changes from the last 30 days.

You can use the data link with a Sfilter option to retrieve assignment changes from the last 30 days.

Is the delta link token valid?

Answer:

Explanation:

	Yes	No
You can use the JSON segment to retrieve a list of changes to the assignment records referenced in the segment $		^
You can use the data link to query the assignment changes from the last 30 days.	°	°
You can use the data link with a Sfilter option to retrieve assignment changes from the last 30 days.	u	°
Is the delta link token valid?	n	n

Box 1: Yes

Delta query lets you query for additions, deletions, or updates to users, by way of a series of delta function calls. Delta query enables you discover changes to users without having to fetch the entire set of users from Microsoft Graph and compare changes.

Box 2: No

Tracking user changes

Tracking user changes is a round of one or more GET requests with the delta function. You make a GET request much like the way you list users, except that you include the following:

The delta function.

A state token (deltaToken or skipToken) from the previous GET delta function call.

Delta tokens are only valid for a specific period before the client application needs to run a full synchronization again. For directory objects (application, administrativeUnit, directoryObject, directoryRole, group, orgContact, oauth2permissiongrant, servicePrincipal, and user), the limit is 7 days.

Box 3: No

There is limited support for $filter:

The only supported $filter expression is for tracking changes on a specific object: $filter=id+eq+{value}.

Box 4: Yes

Reference:

https://docs.microsoft.com/en-us/graph/api/user-delta

Question: 186

HOTSPOT

A training company implements a Common Data Service (CDS) environment. The company has created and stores information about courses in a custom entity.

A Power Automate flow must be created whether a course has been created that starts within the next seven days and must be accurate to the minute.

You need to define an expression that meets the requirements.

Which functions should you use for the expression? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

```
[▼] (
[▼] (formatDateTime( [▼] ()?['new coursedate'],
'yyyy-MM-ddTHH:MM:ssZ')),
[▼] ( [▼] (7, 'Day'))
)
[▼] (7, 'Day'))
```

Answer:

fess
ticks
tnggerBody
getFutureTime

▼ (formatDateTime(▼ ()?['new coursedate'],

less ticks
tnggerBody getFutureTime

▼ (
less ticks tnggerBody getFutureTime

Box 1: less

less checks whether the first value is less than the second value. Return true when the first value is less, or return false when the first value is more.

Box 2 : ticks

ticks(timestamp: string) - Returns the number of ticks (100 nanoseconds interval) since 1 Jan 1601 00:00:00 UT

Syntax: ticks('<timestamp>')

Box 3: triggerBody

triggerBody returns a trigger's body output at runtime.

Box 4: ticks

Box 5: getFutureTime

'yyyy-MM-ddTHH :Ml-f: ssZ')) ,

getFutureTime teturn the current timestamp plus the specified time units.

Syntax: getFutureTime(<interval>, <timeUnit>, <format>?)

Reference:

https://docs.microsoft.com/en-us/azure/logic-apps/workflow-definition-language-functions- reference

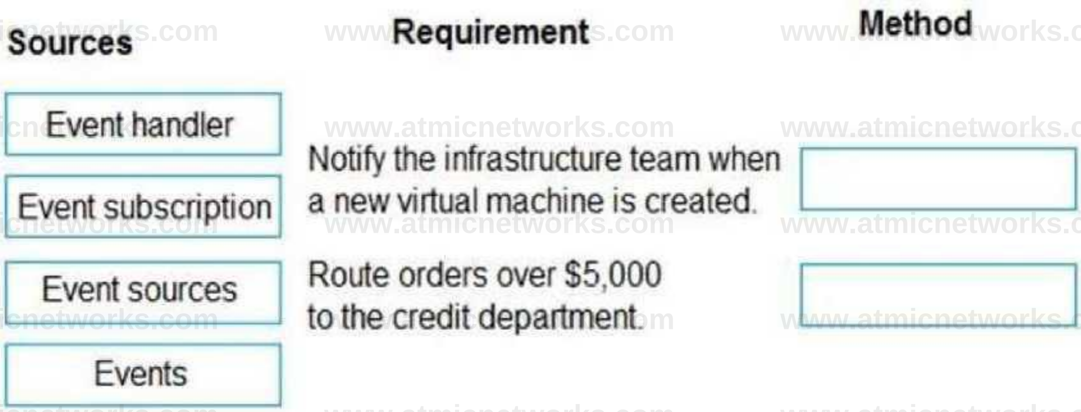
Question: 188

DRAG DROP

You need to select the appropriate methods using Azure Event Grid.

Which method should you use for each requirement? To answer, drag the appropriate methods to the correct requirements. Each method may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

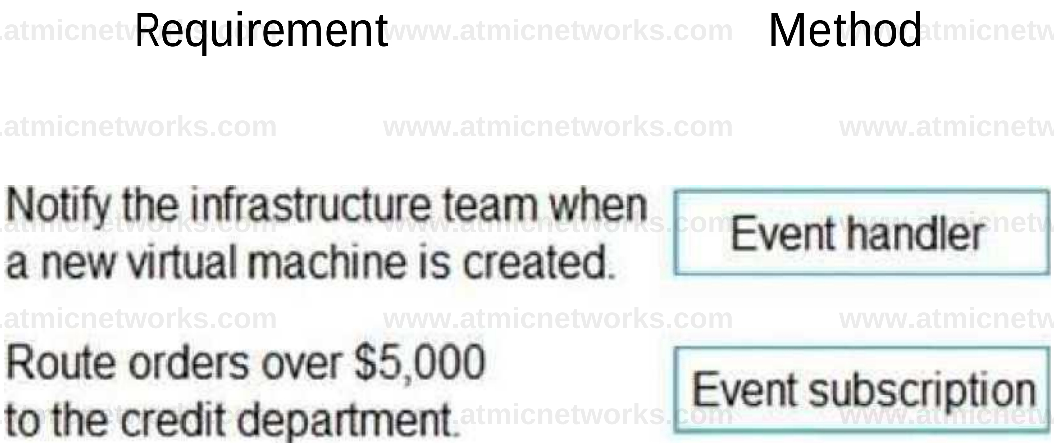


Notify the infrastructure team when a new virtual machine is created.

Route orders over $5,000 to the credit department.

Answer:

Explanation:



Requirement	Method
Notify the infrastructure team when a new virtual machine is created.	Event handler
Route orders over $5,000 to the credit department.	Event subscription

Box 1: Event handler

An event handler is the place where the event is sent. The handler takes some further action to process the event.

Box 2: Event subscription

Event subscriptions - The endpoint or built-in mechanism to route events, sometimes to more than one handler. Subscriptions are also used by handlers to intelligently filter incoming events.

Incorrect Answers:

Events - What happened.

Event sources - Where the event took place.

Reference:
https://docs.microsoft.com/en-us/azure/event-grid/event-handlers

https://docs.microsoft.com/en-us/azure/event-grid/overview

Question: 189

HOTSPOT

You create a Power Platform solution to track purchasing requirements for bills of material (BOMs) and their subcomponents.

The solution must meet the following requirements:

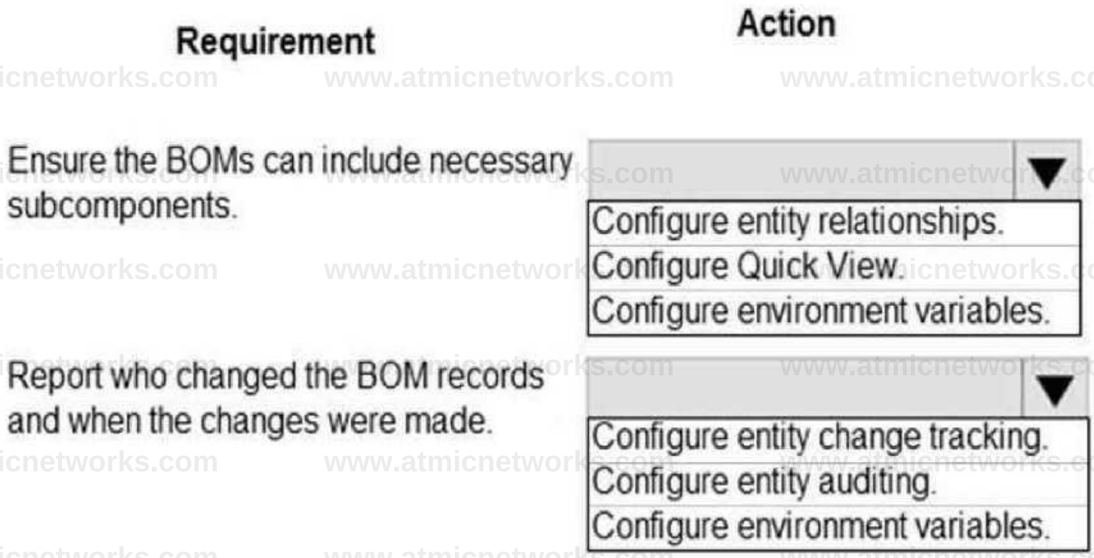
Ensure that the BOMs are enabled to include the necessary subcomponents.

Report changes to the BOMs or their sub-components that are made by engineers.

You need to configure the solution.

What should you do to meet each requirement? To answer, select the appropriate options in the answer area.

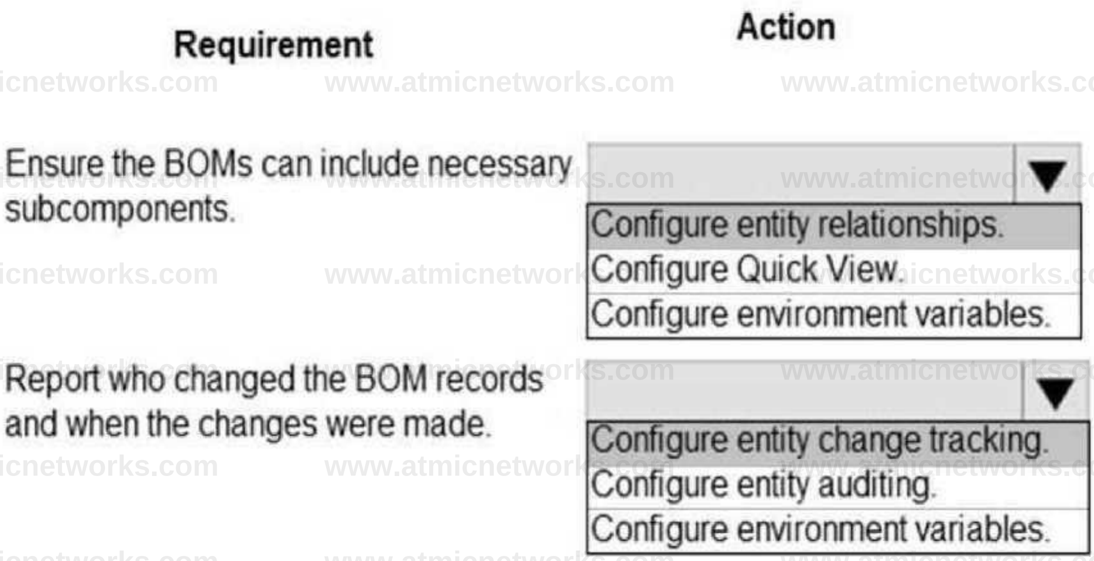
NOTE: Each correct selection is worth one point.



Requirement	Action
Ensure the BOMs can include necessary subcomponents.	▼ Configure entity relationships. Configure Quick View. Configure environment variables.
Report who changed the BOM records and when the changes were made.	▼ Configure entity change tracking. Configure entity auditing. Configure environment variables.

Answer:

Explanation:



Requirement	Action
Ensure the BOMs can include necessary subcomponents.	Configure entity relationships. Configure Quick View. Configure environment variables.
Report who changed the BOM records and when the changes were made.	Configure entity change tracking. Configure entity auditing. Configure environment variables.

Box 1: Configure entity relationship

Box 2: Configure entity change tracking

The change tracking feature in Microsoft Dataverse provides a way to keep the data synchronized in an efficient manner by detecting what data has changed since the data was initially extracted or last synchronized. Previously, without this new feature, it was difficult to build a reliable and efficient mechanism to determine what records had changed in Dataverse.

Reference:
https://docs.microsoft.com/en-us/powerapps/developer/data-platform/use-change-tracking- synchronize-data-external-systems

Question: 190

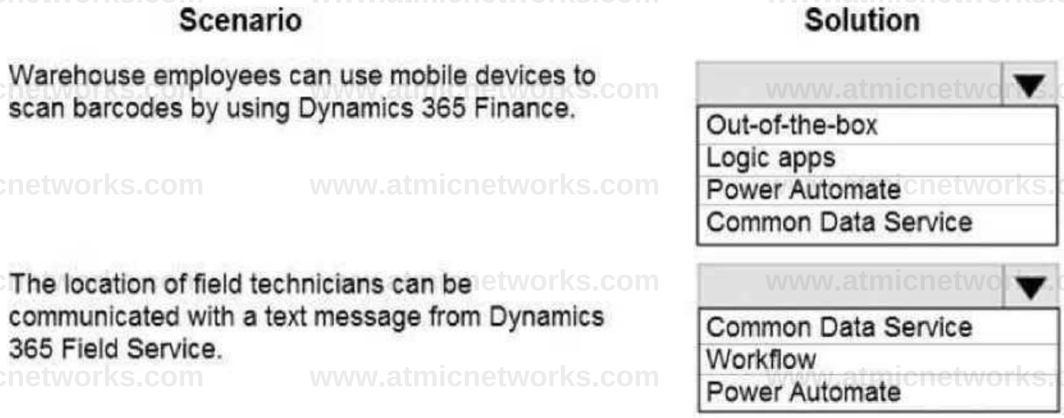
HOTSPOT

A client is deploying Dynamics 365 Finance without any third-party add-ons.

You need to select the appropriate solutions for the client.

What should you select? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.



Scenario

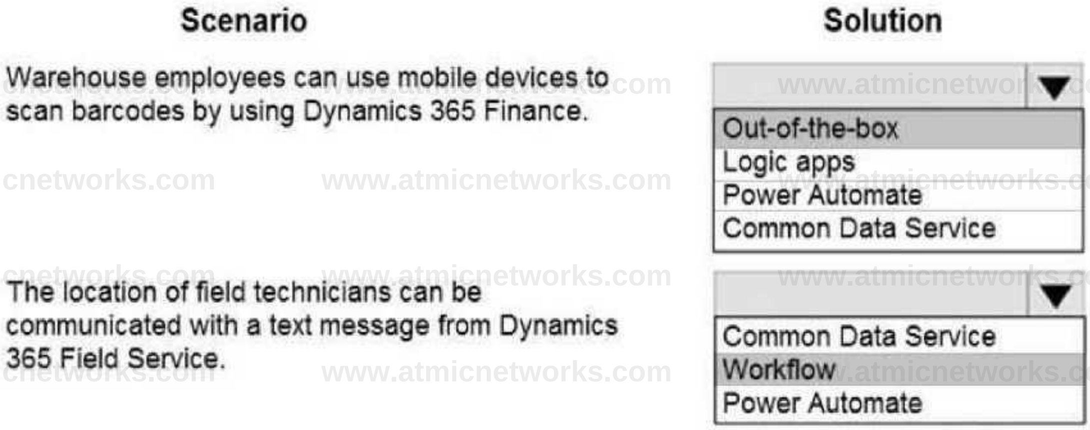
Solution

Warehouse employees can use mobile devices to scan barcodes by using Dynamics 365 Finance.

The location of field technicians can be communicated with a text message from Dynamics 365 Field Service.

Answer:

Explanation:



Scenario

Solution

Warehouse employees can use mobile devices to scan barcodes by using Dynamics 365 Finance.

The location of field technicians can be communicated with a text message from Dynamics 365 Field Service.

Box 1: Out-of-the-box

Box: 2: Workflow

Reference:

https://docs.microsoft.com/en-us/dynamics365/field-service/mobile-power-app-system-barcode- scanning

https://docs.microsoft.com/en-us/power-automate/replace-workflows-with-flows

Question: 191

DRAG DROP

A company uses Microsoft 365. You are developing a model-driven app.

The app must meet the following requirements:

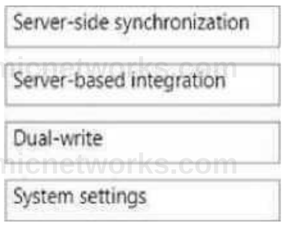
Use SharePoint Online for document storage.
Send emails by using Exchange Online.

You need to configure integrations.

What should you configure? To answer, drag the appropriate configuration options to the correct requirements. Each configuration option may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Configuration options



Server-side synchronization
Server-based integration
Dual-write
System settings

Answer Area

Requirement	Configuration option
Email	Configuration option
Document storage	Configuration option

Answer:

Explanation:

Requirement	Configuration option
Email	I Server-side synchronization
Document storage	Server-based integration

Box 1: Server-side syncrhonization
Configure default email processing and synchronization: set server-side synchronization to be the default configuration method for newly created users.

Box 2: Server-side integration.
If your organization is already using document management with Microsoft Dynamics CRM List Component, you must switch to server-based SharePoint integration.
If your organization has not deployed document management, when a System Administrator logs in

an alert message will be displayed to enable server-based SharePoint integration.

Question: 192

A company plans to create an order processing app. When orders are created, the app will perform complex business logic and integrate with several external systems.

Orders that have a large number of line items may take up to six minutes to complete. Processing for each order must be completed in one operation to avoid leaving records in an incomplete state.

You need to recommend a solution for the company.

What should you recommend?

A. an asynchronous workflow that uses a custom workflow activity
B. a real-time workflow that uses a custom action
C. a webhook that connects to an Azure Function
D. an asynchronous plug-in

Answer: B

Explanation:

Real-time Workflows roll back all changes if it fails. As the Workflow is going through the process itself, if it fails, it will roll back all of the prior steps taken.

Reference:
https://ledgeviewpartners.com/blog/what-are-the-differences-between-real-time-and-background-workflows-in-microsoft-dynamics-365-crm/

Question: 193
HOTSPOT

You work for a not-for-profit agency that manages business processes by using Power Platform custom entities.

Volunteer registration and onboarding are manual processes that include multiple related entities.

You need to implement a portal solution that replaces the manual processes.

Which modules should you use? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Requirement	Module
Create a portal by using a portal template	

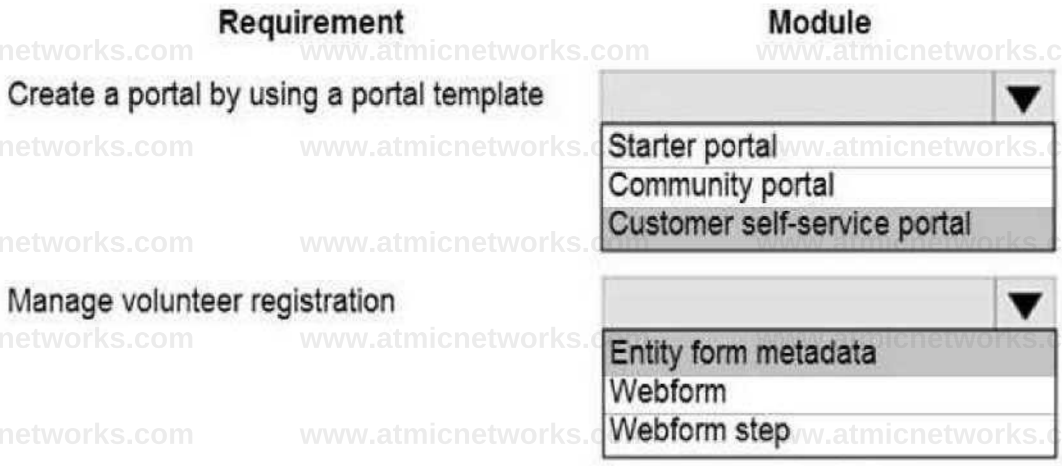
Starter portal
Community portal
Customer self-service portal

Manage volunteer registration ▼

Entity form metadata
Webform
Webform step

Answer:

Explanation:



Requirement	Module
Create a portal by using a portal template	Starter portal Community portal Customer self-service portal
Manage volunteer registration	Entity form metadata Webform Webform step

Box 1: Customer self-service portal

Customer self-service portal: A customer self-service portal enables customers to access self-service knowledge, support resources, view the progress of their cases, and provide feedback.

Box 2: Entity form metadata

The Advanced Form Metadata contains additional behavior modification logic to augment or override the functionality of form fields that is otherwise not possible with native basic form editing capabilities.

Reference:

https://docs.microsoft.com/en-us/powerapps/maker/portals/portal-templates

https://docs.microsoft.com/en-us/powerapps/maker/portals/configure/configure-web-form- metadata

Question: 194

You are implementing custom business logic in a Power Apps portal.

You need to use Liquid templates to display dynamic content.

To which three entities can you include Liquid code? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

A. Content snippet
B. Web page
C. Web template
D. Page template
E. Portal settings

Answer: BCD

Explanation:

Liquid is an open-source template language integrated into portals. It can be used to add dynamic content to pages, and to create a wide variety of custom templates. Using Liquid, you can:

Add dynamic content directly to the Copy field of a webpage or the content of a content snippet. Store source content by using web templates, entirely through configuration within Power Apps, for use throughout the Power Apps portals content management system.

Render a website header and primary navigation bar, entirely through configuration within Power Apps.

Note: page is one of the available liquid objects.

Reference:

https://docs.microsoft.com/en-us/powerapps/maker/portals/liquid/liquid-overview

https://docs.microsoft.com/en-us/powerapps/maker/portals/liquid/liquid-objects#page

Question: 195

HOTSPOT

An organization uses Common Data Service.

The organization's IT helpdesk requires a single-page web application to monitor and manage Data Export Service. The app must access Data Export Service securely. The app must also permit helpdesk users to perform a limited set of functions.

You need to create a single-page app.

Which options should you use? To answer, select the appropriate options in the answer area.

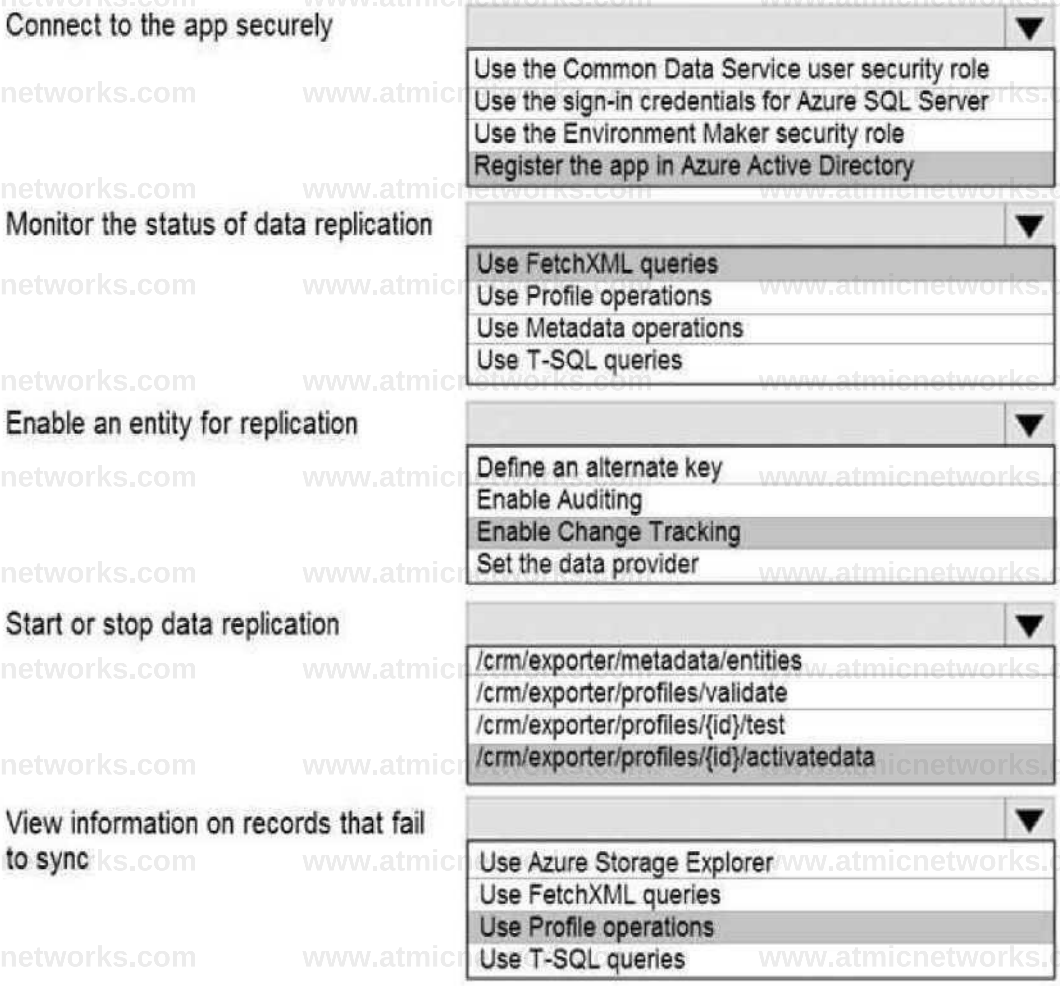
NOTE: Each correct selection is worth one point.

Answer Area

Requirement	Option
Connect to the app securely	Use the Common Data Service user security role Use the sign-in credentials for Azure SQL Server Use the Environment Maker security role Register the app in Azure Active Directory
Monitor the status of data replication	Use FetchXML queries Use Profile operations Use Metadata operations Use T-SQL queries
Enable an entity for replication	Define an alternate key Enable Auditing Enable Change Tracking Set the data provider
Start or stop data replication	/crm/exporter/metadata/entities /crm/exporter/profiles/validate /crm/exporter/profiles/{id}/test /crm/exporter/profiles/{id}/activatedata
View information on records that fail to sync	Use Azure Storage Explorer Use FetchXML queries Use Profile operations Use T-SQL queries

Answer:

Explanation:



Connect to the app securely

- Use the Common Data Service user security role
- Use the sign-in credentials for Azure SQL Server
- Use the Environment Maker security role
- Register the app in Azure Active Directory

Monitor the status of data replication

- Use FetchXML queries
- Use Profile operations
- Use Metadata operations
- Use T-SQL queries

Enable an entity for replication

- Define an alternate key
- Enable Auditing
- Enable Change Tracking
- Set the data provider

Start or stop data replication

- /crm/exporter/metadata/entities
- /crm/exporter/profiles/validate
- /crm/exporter/profiles/{id}/test
- /crm/exporter/profiles/{id}/activatedata

View information on records that fail to sync

- Use Azure Storage Explorer
- Use FetchXML queries
- Use Profile operations
- Use T-SQL queries

Box 1: Register the app in Azure Active Directory

Box 2: Use FetchXML queries

The failure entries can be retrieved through the Get the failure details for a given Profile request. The response returns a URI to an Azure blob that contains the failure information. Each line has the following comma-separated fields (newlines added for clarity):

Entity: <entity-name>,
RecordId: <"N/A" | guid>,
NotificationTime: <datetime>,
ChangeType: <sync-type>,
FailureReason: <description>

Note: FetchXML is a proprietary XML based query language of Microsoft Dataverse used to query data using either the Web API or the Organization service. It's based on a schema that describes the capabilities of the language. The FetchXML language supports similar query capabilities as query expressions.

Incorrect Answers:

The Data Export Service exposes a REST-based API that is divided into two groups: a set of Metadata operations for exploring Dataverse organizational structure, relationships, and connection information; and a set of Profiles operations for configuring and managing each data replication.

Box 3: Enable Change Tracking

The entities that will be added to the Export Profile must be enabled with change tracking.

Box 4: /crm/exporter/{id}/activatedata

profiles/{id}/activatedata

Activate profile for data replication only.

Note: profiles/{id}/activate

Activate a profile, which starts replication of both the associated table definitions and data.

Box 5: Use Profile operations

These failure entries can be retrieved through the Get the failure details for a given Profile request.

Reference:

https://docs.microsoft.com/en-us/powerapps/developer/data-platform/data-export-service

https://docs.microsoft.com/en-us/power-platform/admin/replicate-data-microsoft-azure-sql- database

https://docs.microsoft.com/en-us/powerapps/developer/data-platform/use-fetchxml-construct-query

Question: 196

HOTSPOT

A company has a Common Data Service (CDS) environment.

The following conditions must apply when accounts are reassigned:

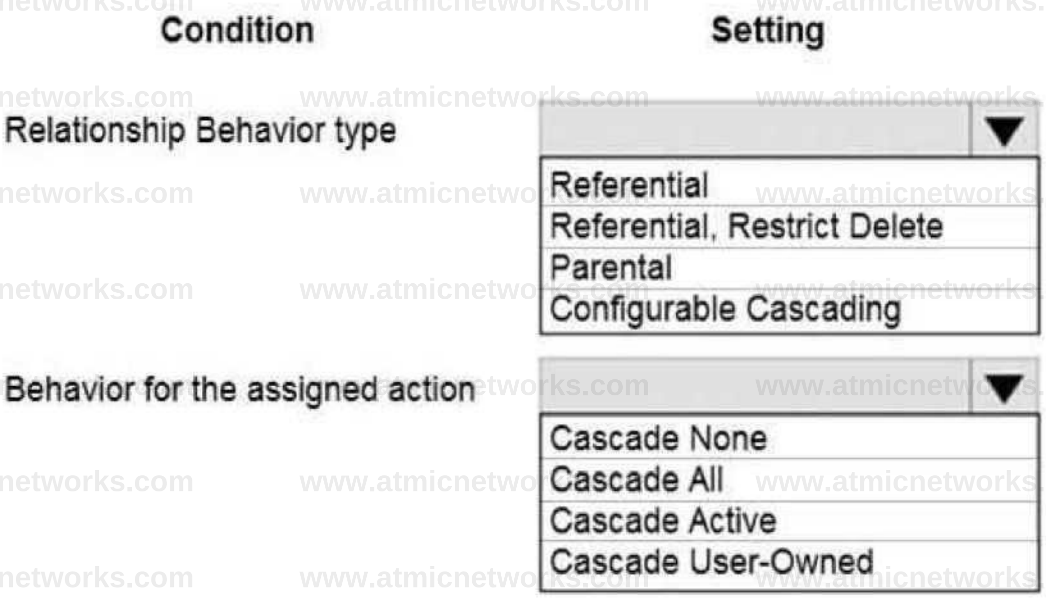
Ownership for completed tasks that are associated with the account must not change.

Outstanding tasks must be reassigned to the new owner of the account.

You need to configure the relationship to meet the requirements.

Which settings should you use? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.



Condition | **Setting**

Relationship Behavior type

- Referential
- Referential, Restrict Delete
- Parental
- Configurable Cascading

Behavior for the assigned action

- Cascade None
- Cascade All
- Cascade Active
- Cascade User-Owned

Answer:

Explanation:

Condition **Setting**

Relationship Behavior type ▼

Referential
Referential, Restrict Delete
Parental
Configurable Cascading

Behavior for the assigned action

Cascade None
Cascade All
Cascade Active
Cascade User-Owned

Box 1: Referential, Restrict Delete
Restrict: Prevent the Referenced table record from being deleted when referencing tables exist.

Box 2: Cascade User Owned

Cascade User Owned: perform the action on all referencing table records owned by the same user as the referenced table record.

Reference:
https://docs.microsoft.com/en-us/powerapps/developer/data-platform/configure-entity-relationship-cascading-behavior

Question: 197

DRAG DROP

A company has Common Data Service (CDS) environments for development, test, and production.

You have a model-driven app that consists of two solutions. The solutions include settings and reference data. You plan to move the solutions, app settings, and reference data from a development environment to a production environment.

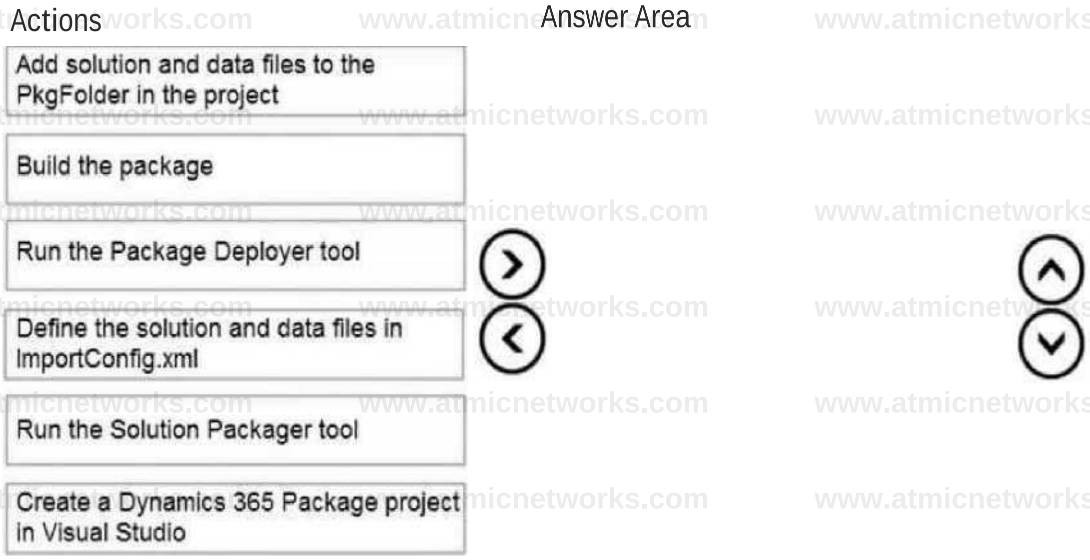
You export each solution from the development environment as a zip file.

You run the Configuration Manager to export the settings and reference data as zip files.

You need to prepare the app and its settings for deployment.

Which four actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

NOTE: More than one order of answer choices is correct. You will receive credit for any of the correct orders you select.



Actions

- Add solution and data files to the PkgFolder in the project
- Build the package
- Run the Package Deployer tool
- Define the solution and data files in ImportConfig.xml
- Run the Solution Packager tool
- Create a Dynamics 365 Package project in Visual Studio

Answer Area

Answer:

Explanation:

Add solution and data files to the PkgFolder in the project

Define the solution and data files in ImportConfig. xml

Build the package

Run the Package Deployer tool

Step 1: Add your files to the project
In the Solutions Explorer pane, add your solutions and files under the PkgFolder folder.
For each file that you add under the PkgFolder folder, in the Properties pane, set the Copy to Output Directory value to Copy Always. This ensures that your file is available in the generated package.

Step 2: Define the solution and data files in ImportConfig.xml
Define the package configuration by adding information about your package in the ImportConfig.xml file available in the PkgFolder.

Step 3: Build the package

Step: Run the Package Deployer tool
After you create a package, you can deploy it on the Dataverse instance by using either the Package Deployer tool or Windows PowerShell.

Reference:
https://docs.microsoft.com/en-us/power-platform/alm/package-deployer-tool

Question: 198

HOTSPOT

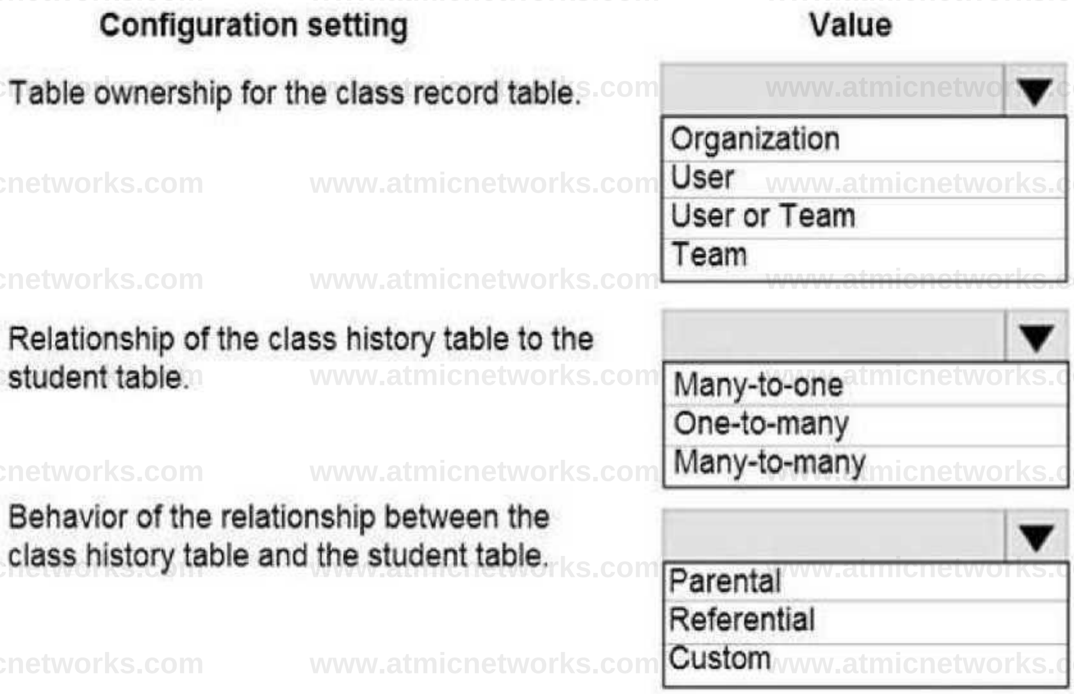
A school district wants to standardize student information and student performance records.
Students in the district are assigned to a specific school. Students are evaluated using class records.

When students move between schools in the middle of a school year, the student's current class history must be available to the administrators at the new school.

You need to configure Microsoft Dataverse tables to connect the class history records to their respective class records.

How should you configure the table? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.



Configuration setting | **Value**

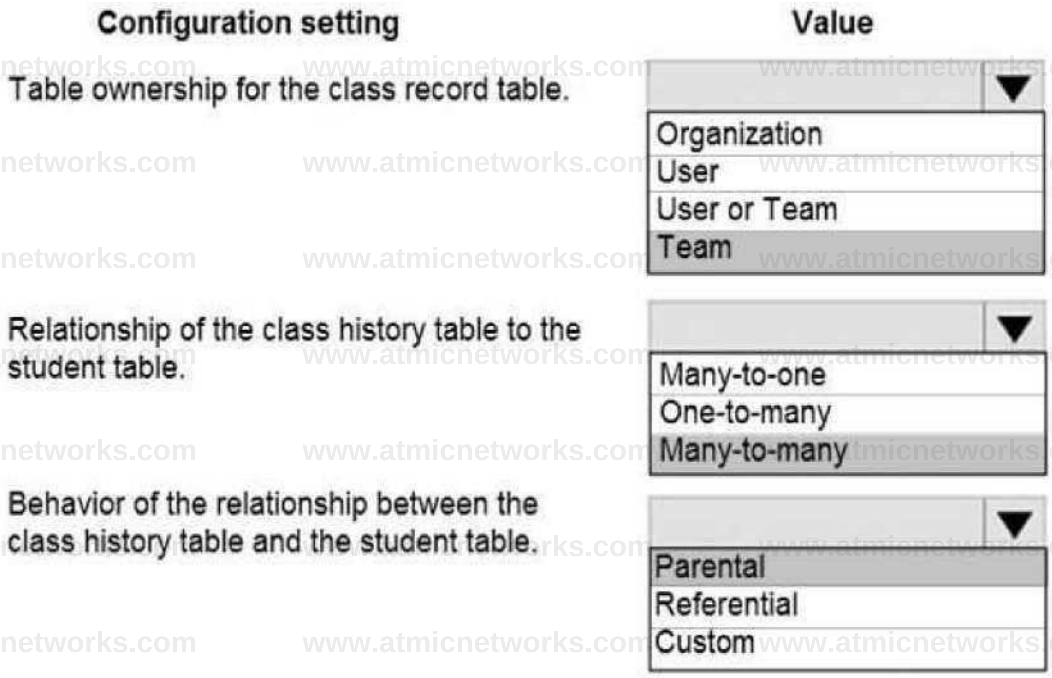
Table ownership for the class record table.

Relationship of the class history table to the student table.

Behavior of the relationship between the class history table and the student table.

Answer:

Explanation:



Configuration setting | **Value**

Table ownership for the class record table. Team

Relationship of the class history table to the student table. Many-to-many

Behavior of the relationship between the class history table and the student table. Parental

Box 1: Team

'the student's current class history must be available to the administrators at the new school.'

Box 2: Many-to-one

Box 3: Parental

The N:1 (many-to-one) relationship type exists in the user interface because the designer shows you a view grouped by tables. 1:N relationships actually exist between tables and refer to each table as either a Primary/Current table or Related table. The related table, sometimes called the child table, has a lookup column that allows storing a reference to a row from the primary table, sometimes called the parent table. A N:1 relationship is just a 1:N relationship viewed from the related table.

Reference:
https://docs.microsoft.com/en-us/powerapps/developer/data-platform/user-team-entities

https://docs.microsoft.com/en-us/powerapps/maker/data-platform/create-edit-entity-relationships#types-of-table-relationships

Question: 199

An organization uses Dynamics 365 Sales. You plan to add a custom button to the app ribbon.

You need to ensure that the button displays only when conditions specified by business rules are met.

Which two code segments can you use? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

A. gridContext.refresh();
B. formContext.ui.refreshRibbon(refreshAll);
C. formContext.data.refresh(save).then(successCallback, errorCallback);
D. formContext.ui.refreshRibbon();
E. formContext.getControl(arg).refresh();

Answer: BD

Explanation:

B: formContext.ui.refreshRibbon(refreshAll);
Causes the ribbon to re-evaluate data that controls what is displayed in it.

Indicates whether all the ribbon command bars on the current page are refreshed. If you specify false, only the page-level ribbon command bar is refreshed. If you do not specify this parameter, by default false is passed.

Remarks: This function is typicaly used when a ribbon (RibbonDiffXml) depends on a value in the form. After your code changes a value that is used by a rule, use this method to force the ribbon to re-evaluate the data in the form so that the rule can be applied.

D: If role is there - just refresh the ribbon to see the button

```
    if (isButtonEnabled) {
      formContext.ui.refreshRibbon();
    }
  },
```

Reference:
https://docs.microsoft.com/en-us/powerapps/developer/model-driven-apps/clientapi/reference/formcontext-ui/refreshribbon

https://community.dynamics.com/crm/f/microsoft-dynamics-crm-forum/302049/show-hide-button- bases-on-different-criteria/871674

Question: 200

A create a model-driven app. You run Solution checker. The tool displays the following error:

Solution checker fails to export solutions with model-driven app components.

You need to resolve the issue.

What should you do?

A. Manually export the solution before running Solution checker
B. Assign the Environment Maker security role to the Power Apps Checker application user
C. Assign the System Administrator security role to your user ID
D. Disable the Power Apps Checker application user
E. Assign the Environment Maker security role to your user ID

Answer: B

Explanation:

To resolve this issue, grant the Environment Maker security role to the Power Apps Checker application user.

Note: Solution checker fails to export solutions with model-driven app components
If a solution contains a model-driven app, Solution Checker might fail to export the solution for analysis. This error is caused by role-based security for sharing of apps. If the Power Apps Checker application user does not have appropriate access to model-driven apps, any solutions containing them will fail to export with solution checker.

Reference:
https://docs.microsoft.com/en-us/powerapps/maker/data-platform/common-issues-resolutions- solution-checker#solution-checker-fails-to-export-solutions-with-model-driven-app-components

Question: 201
HOTSPOT

You are a Power Apps app maker with administrative rights to Microsoft 365.

You create a canvas app that will be used by employees at your company. You plan to allow users to embed the app in Microsoft Teams. During testing, the following issues are reported:

The app runs slowly when it runs in Microsoft Teams.
Test users cannot add the personal app within Microsoft Teams.

You need to resolve the issues.

What should you do? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Issue Resolution

Test users cannot add the personal app within Microsoft Teams.

The app runs slowly when it runs in Microsoft Teams.

Change settings in app to preload app
Use a Teams integration object

Test users cannot add the personal app within Microsoft Teams.

Download the custom app
Change permission for the custom app in Teams
Publish the customer app
Change custom app setup policy in Terns

Answer:

Explanation:

Issue Resolution

The app runs slowly when it runs in Microsoft Teams.

Change settings in app to preload app
Use a Teams integration object

Download the custom app

Change permission for the custom app in Teams
Publish the customer app
Change custom app setup policy in Terns

Box 1: Change settings in app to preload app
You can optionally preload your app within Teams to increase performance.

Box 2: Change the permission for the custom app in Teams
As an admin, you can use app permission policies to control what apps are available to Microsoft Teams users in your organization. You can allow or block all apps or specific apps published by Microsoft, third-parties, and your organization. When you block an app, users who have the policy are unable to install it from the Teams app store.

You manage app permission policies in the Microsoft Teams admin center. You can use the global (Org-wide default) policy or create and assign custom policies. Users in your organization will automatically get the global policy unless you create and assign a custom policy. After you edit or assign a policy, it can take a few hours for changes to take effect.

Global

Description

Microsoft apps
Choose which Teams apps published by Microsoft or its partners can be installed by your users.

0 Allow all apps

Third-party apps
Choose which Teams apps published by a third-party that can be installed by your users.

0 Allow all apps

Custom apps
Choose which custom apps can be installed by your users.

0 Allow all apps

Cancel

Reference:
https://docs.microsoft.com/en-us/powerapps/teams/embed-teams-app

https://docs.microsoft.com/en-us/microsoftteams/teams-app-permission-policies

Question: 202

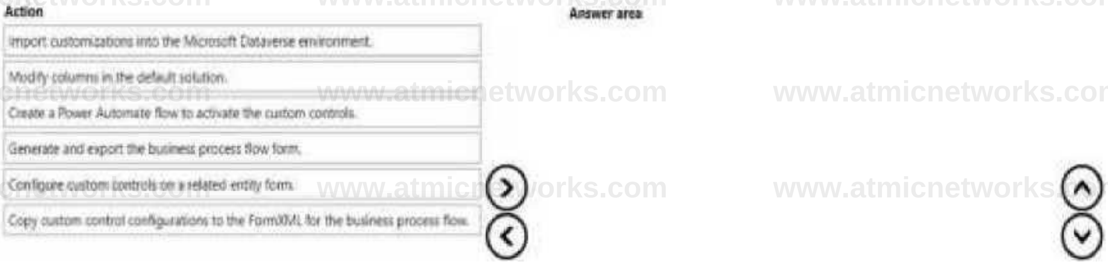
DRAG DROP

You are developing a Power Platform solution.

You must add a custom control slider to a specific step in a business process flow.

You need to add the custom control.

Which four actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.



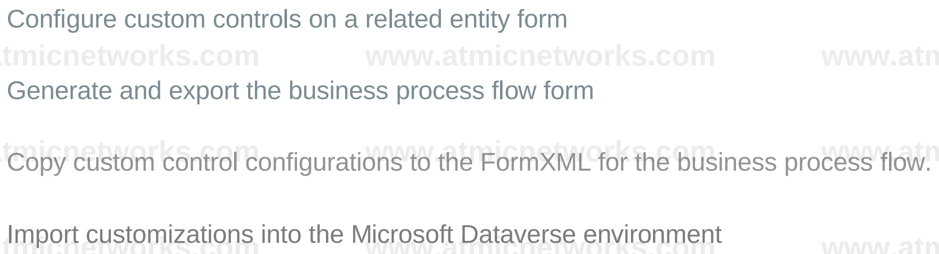
Action

- Import customizations into the Microsoft Dataverse environment.
- Modify columns in the default solution.
- Create a Power Automate flow to activate the custom controls.
- Generate and export the business process flow form.
- Configure custom controls on a related entity form.
- Copy custom control configurations to the FormXML for the business process flow.

Answer area

Answer:

Explanation:



Configure custom controls on a related entity form

Generate and export the business process flow form

Copy custom control configurations to the FormXML for the business process flow.

Import customizations into the Microsoft Dataverse environment

Here are the steps you must follow to add custom controls to a business process flow:

Step 1: Configure custom controls on a related entity.

Step 2: Generate and exporting the business process flow form.

Step 3: Copy custom control configurations to the FormXML for the business process flow.

Step 4: Import customizations into the Microsoft Dataverse environment.

Note:
Configure custom controls on a related table form.
Generate and exporting the business process flow form.
Copy custom control configurations to the business process flow form from the related table form.
Import the customizations back into Microsoft Dataverse.

Reference:
https://docs.microsoft.com/en-us/power-automate/custom-controls-business-process-flows

Question: 203

HOTSPOT

A company is creating a new system based on Dynamics 365 Sales.

The company has the following requirements for their claim process:

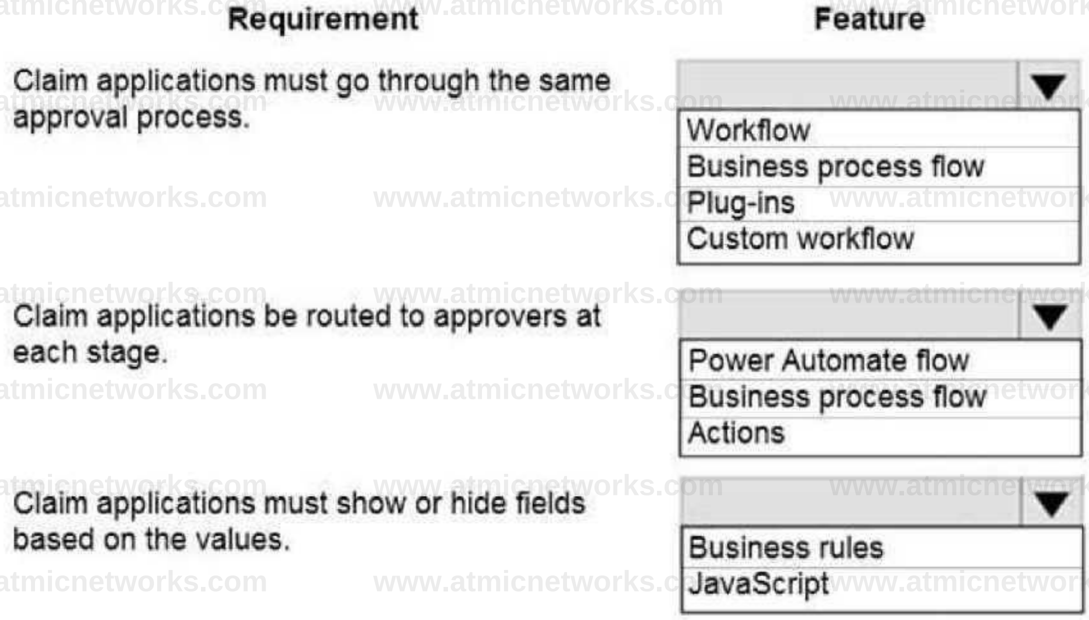
Approval process must be the same for all claim applications.
Claim applications must go through approvers at each stage.

Fields must be shown or hidden, based on the requirements in the approval process.

You need to design the data model for the claim process using out-of-the-box components whenever possible.

Which features should you implement? To answer, select the appropriate options in the answer area.

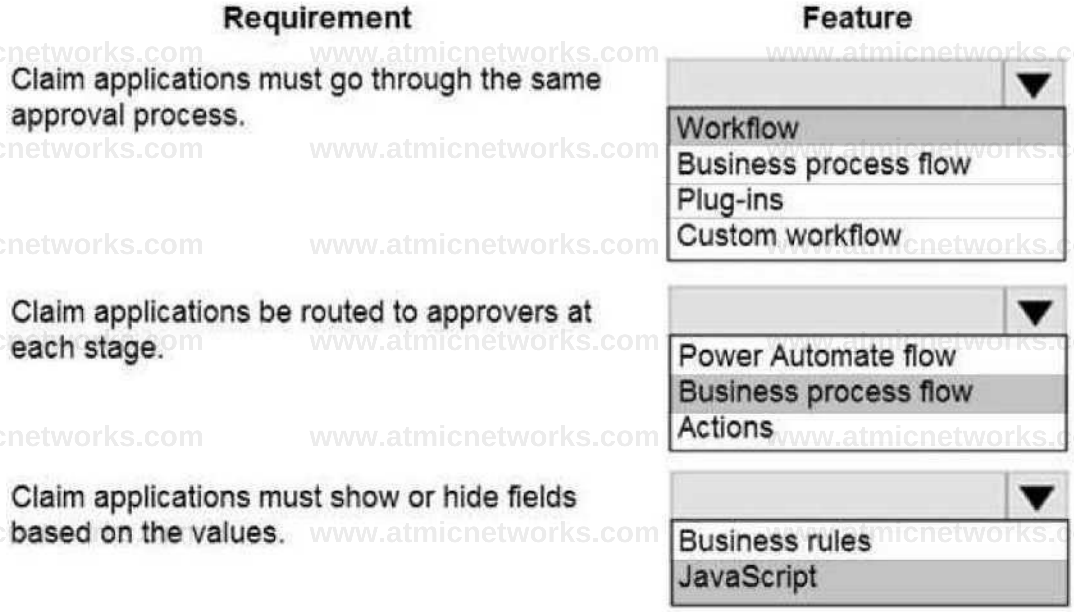
NOTE: Each correct selection is worth one point.



Requirement	Feature
Claim applications must go through the same approval process.	Workflow Business process flow Plug-ins Custom workflow
Claim applications be routed to approvers at each stage.	Power Automate flow Business process flow Actions
Claim applications must show or hide fields based on the values.	Business rules JavaScript

Answer:

Explanation:



Requirement	Feature
Claim applications must go through the same approval process.	Workflow Business process flow Plug-ins Custom workflow
Claim applications be routed to approvers at each stage.	Power Automate flow Business process flow Actions
Claim applications must show or hide fields based on the values.	Business rules JavaScript

Box 1: Workflow

You configure the approval processes in a workflow.

Box 2: Business process flow

By integrating your approvals feature with Power Automate, you can implement features such as these:

Automatically generate and send request-for-approval emails to approvers.

Include active approve and reject buttons in request-for-approval emails.

Easy customization of the approval steps, using a framework that most administrators will be able to understand and adjust for themselves.

Box 3: JavaScript

In Dynamics 365, you can hide and show fields using JavaScript. This is useful if you have business logic that determines if fields are displayed or not to the user.

Reference:

[https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/fin-ops/organization- administration/configure-approval-process-workflow](https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/fin-ops/organization-administration/configure-approval-process-workflow)

Question: 204

HOTSPOT

You are examining code written by another developer that is not functioning correctly. There are no other JavaScript or business rules in use on the form.

This code is properly registered to the OnChange event of the telephone1 field on an account entity form. The main operation is to update the primary contact's phone number when the account phone number changes. The primary contact field is a lookup. (Line numbers are included for reference only.)

```
01 function UpdatePrimaryContact(executioncontext) {
02 var formContext = executioncontext.getFormContext();
03 var formType = formContext.ui.getFormType();
04 if (formType ! = 2) {
05 return;
06 }
07 var data =
08 {
09 "telephonel": formContext.getAttribute("telephonel").getvalue()
10 }
11 var primarycontact = formContext.getAttributeCprir.arycontactrd") .getValue();
12 Xrm.WebApi.updateRecord("contact", primarycontact[0].id, data).then(
13 function success() (
14   ...
15   Xrm.Navigation.openAlertDialog(( text: "Updated" });
16   },
17 function fail() {
18 Xrm.Navigation.openErrorDialog({ message: "Error" });
19   1
20 );
21 Xrm.Navigation.openAlertDialog({ text: "Done" });
22 }
```

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Statements	Yes	No
Updating the primary contact record will only happen when the form is in update mode.	○	○

If the primary contact field on the account does not have a value, the error dialog on line 18 is displayed.	0	0
The alert dialog on line 21 will always be shown after the update completes and the alert dialog on line 15 is shown.	0	0

Answer:

Explanation:

Statements	Yes	No
Updating the primary contact record will only happen when the form is in update mode.	0	0
If the primary contact field on the account does not have a value, the error dialog on line 18 is displayed.	0	0
The alert dialog on line 21 will always be shown after the update completes and the alert dialog on line 15 is shown.	0	0

Box 1: Yes

getFormTyp gets the form type for the record.

Form type 2 is Update.

Note: Syntax: formContext.ui.getFormType();

Return Value

Type: Number

Description: Form type. Returns one of the following values

RETURN VALUE

Value	Form type
0	Undefined
1	Create
2	Update
3	Read Only
4	Disabled
6	Bulk Edit

Box 2: Yes

Xrm.WebApi.updateRecord Return Value: On success, returns a promise object containing the values specified earlier in the description of the successCallback parameter.

Note:

Syntax: Xrm.WebApi.updateRecord(entityLogicalName, id, data).then(successCallback, errorCallback);

Where errorCallback: A function to call when the operation fails. An object with the following properties will be passed:

errorCode: Number. The error code.
message: String. An error message describing the issue.

Box 3: No
It will displayed even if the update fails.

Reference:
https://docs.microsoft.com/en-us/powerapps/developer/model-driven-apps/clientapi/reference/formcontext-ui/getformtype

https://docs.microsoft.com/en-us/powerapps/developer/model-driven-apps/clientapi/reference/xrm-webapi/updaterecord

Question: 206

The communication department for a company plans to add a publicly accessible survey page to the company's public website.

You must add the new survey page to the company's public website and capture data from the page to a Common Data Service environment.

Explicit user credentials must not be required to write survey data to Common Data Service.

You need to implement authentication.

Which authentication mechanism should you implement?

A. Microsoft 365
B. X.509 certificate
C. OAuth2.0
D. Claims-based

Answer: C

Explanation:

OAuth is the preferred means to authenticate because it provides access to both the OData RESTful web services (Web API and OData global Discovery service) as well as to the SOAP web services (Organization service and Discovery service).

OAuth is also required to support:
Azure Active Directory configurations for conditional access, such as Two-factor Authentication (2FA) Use of client secrets to enable server-to-server authentication scenarios.
Cross-Origin Resource Sharing (CORS) to connect a Single-page Application (SPA)

Incorrect Answers:
A: Using Microsoft 365 authentication does not require that your register your applications as OAuth does. You must simply provide a User Principal Name (UPN) and password for a valid user.

Reference:
https://docs.microsoft.com/en-us/powerapps/developer/data-platform/authentication

Question: 207

You are deploying a Power Apps app that uses the custom connector for ServiceNow.

The app loads very slowly for some users. You determine that all records from ServiceNow are being retrieved for every user.

The app must load only incidents that are assigned to each user.

You need to limit the number of records that the connector returns.

What should you do?

A. Apply a Lifecycle Services asset scope
B. Apply a business process flow
C. Apply the Azure APIM parameter
D. Apply a connector policy template

Answer: D

Explanation:

You can configure policy templates for custom connectors. Policies allow you to modify the behavior

of a custom connector at runtime. You can use policies to perform data conversion, route requests, set parameter values, and more. You can configure policies directly in the custom connector API properties file before import, or you can do it from the maker portal in the custom connector designer by applying policy templates.

Note: ServiceNow Action: GetRecords
Summary: List Records
Description: Gets records of a certain ServiceNow object type like 'Incidents' Syntax:ServiceNow.GetRecords (string tableType, [advanced][Optional]boolean sysparm_display_value, [advanced][Optional]boolean sysparm_exclude_reference_link, [advanced][Optional]string sysparm_query, [advanced][Optional]integer sysparm_limit, [advanced][Optional]integer sysparm_offset)

Reference:
https://docs.microsoft.com/en-us/learn/modules/policy-templates-custom-connectors/

https://www.carlosag.net/PowerApps/Connectors/ServiceNow

Question: 208

A company is developing multiple plug-ins.

One of the plug-ins keeps failing.

You need to debug the plug-in.

Which three actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

A. Highlight the plug-in step and select Debug in the Plug-in Registration tool
B. Copy the pdb file into the server/bin/assembly folder
C. Select Start Profiling in the Plug-in Registration tool
D. Attach the debugger to the w3wp.exe process
E. Install the plug-in profiler

Answer: ACE

Explanation:

Step 1: Install plug-in profiler

Because the plug-in executes on a remote server, you cannot attach a debugger to the process. The plug-in profiler captures a profile of an executing plug-in and allows you to re-play the execution of the plug-in using Visual Studio on your local computer.

Step 2: Start profiling

In the Plug-in Registration tool, select the (Step) BasicPlugin.FollowupPlugin: Create of account step, and click Start Profiling.

In the Profiler Settings dialog accept the default settings and click OK to close the dialog.

Step 3: Debug your plug-in

Reference:

https://docs.microsoft.com/en-us/powerapps/developer/data-platform/tutorial-debug-plug-in

Question: 209

HOTSPOT

You create an alternate key named AlternateKey1 on the Account entity. The definition for AlternateKey1 is shown in the following exhibit:

Entities Account

Fields Relationships Business rules Views Forms Dashboards Charts Keys

Display name f v	Name v	Fields v
AlternateKeyl	••• cr27f_AltemateKey1	Account Number, Account Name

Use the drop-down menus to select the answer choice that answers each question based on the information presented in the graphic.

NOTE: Each correct selection is worth one point.

How is uniqueness enforced based on the definition of AlternateKeyl?

The combination of Account Number and Account Name must be unique Either Account Number or Account Name must be unique Account Number and Account Name must both be unique

You must add a third field to AlternateKeyl. What should you do?

Update AlternateKeyl and add the missing field
Delete AlternateKeyl and re-create it with all three fields
Create a new alternate key named AlternateKey2 with only the missing field

Answer:

Explanation:

How is uniqueness enforced based on the definition of AlternateKeyl?

The combination of Account Number and Account Name must be unique Either
Account Number or Account Name must be unique
Account Number and Account Name must both be unique

You must add a third field to AlternateKeyl. What should you do?

Update AlternateKeyl and add the missing field
Delete AlternateKeyl and re-create it with all three fields
Create a new alternate key named AlternateKey2 with only the missing field

Box 1: The combination of Account Number and Account Name must be unique

With alternate keys you can now define a column in a Dataverse table to correspond to a unique identifier or unique combination of columns.

Box 2: Delete AlternateKey1 and re-create it with all three fields

Reference:
https://docs.microsoft.com/en-us/powerapps/developer/data-platform/define-alternate-keys-entity

Question: 210

HOTSPOT

A delivery service uses a canvas app to track and deliver packages. The app uses SQL Server as a data store.
The database includes the following tables:

Table	Comments
tteehw	Stores information about customers who receive delivered goods. The table uses an identity column named SSsqiKJ to urwuefy kterafy each record
Packages	Stores information about package deta*. Employees update package detail during dehveiy to reference the person who fecervedthepackage_

The app includes the following code to save all required information. (Line numbers are included for reference only.)

```
ClearCollect(

      Result,
         Patch(
            Receivers,
            Defaults (Receivers),, {
                SignedByFN; txtinFirstNar.e .Text, SignedByID: txtInID.Text } )

     Patch(
        Packages,
        Defaults(Packages),

           SBsqlid: First(Result).SBsqlid, TrackingNo: ibLPackage.Text
```

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

lo

● ○

Yes No

The Patch statement populates the identity column when a record is created. ○ o o ●

The Patch statement at line 03 creates a reference to the customer who received a specific package.

● O | o ○

You must add a lookup function to ensure that the code correctly creates a reference to the customer who receives a package.

● @ d ○

The Patch statement at line 12 merges records.

o o

Answer:

Explanation:

The Patch statement populates the identity column when a record is created. I O I O

The Patch statement at line 03 creates a reference to the customer who received a specific package. Q

You must add a lookup function to ensure that the code correctly creates Q Q a reference to the customer who receives a package.

The Patch statement at line 12 merges records.

The ClearCollect function deletes all the records from a collection.

Syntax: ClearCollect(Collection, Item, ...)

Collection – Required. The collection that you want to clear and then add data to.

Item(s) - Required. One or more records or tables to add to the data source.

Box 1: Yes

The Patch function in Power Apps modifies or creates one or more records in a data source, or merges records outside of a data source.

Use Patch with the Defaults function to create records.

Box 2: No

The return value of Patch is the record that you modified or created. If you created a record, the return value may include properties that the data source generated automatically. However, the return value doesn't provide a value for fields of a related table.

For example, you use Set(MyAccount, Patch(Accounts, First(Account), 'Account Name': "Example name"); and

then MyAccount.'Primary Contact'.'Full Name'. You can't yield a full name in this case. Instead, to access the fields of a related table, use a separate lookup such as:
LookUp(Accounts, Account = MyAccount.Account).'Primary Contact'.'Full Name

Box 3: Yes

Box 4: Yes
Merge records outside of a data source.
Specify two or more records that you want to merge. Records are processed in the order from the beginning of the argument list to the end, with later property values overriding earlier ones.

Patch returns the merged record and doesn't modify its arguments or records in any data sources.

Reference:
https://docs.microsoft.com/en-us/powerapps/maker/canvas-apps/functions/function-clear-collect-clearcollect

Question: 211

You are creating a new page for a Power Apps portal.

You need to display data from Microsoft Dataverse on the page.

What should you use?

A. Liquid
B. CSS
C. iFrame
D. Bootstrap

Answer: A

Explanation:

Liquid is an open-source template language that is integrated natively into Microsoft Power Apps portals. It acts as a bridge between Dataverse and the HTML or text output that is sent to the browser. Liquid can be used to add dynamic content to pages and to create a variety of custom templates. Additionally, Liquid provides access only to the data and operations that are explicitly allowed by the portals.

Reference:
https://docs.microsoft.com/en-us/learn/modules/liquid-template-language/

Question: 213

DRAG DROP

Technicians for a company use a model-driven app on their phones to record information about service visits. Users do not have permissions to the Power Apps maker portal to create or update apps.

Technicians report issues with the model-driven app. You are unable to reproduce the issues in a development environment.

You need to provide instructions to the technicians to gather more details about the errors.

Which four actions should you recommend be performed in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Actions **Answer area**

Perform the steps to generate the errors and download the results from Monitor

Open the app in a browser on the phone

Open the application in a browser on a laptop computer when they return to the office — —

Perform the steps to generate the errors while you monitor the tech'' Ⓒ cian's mor tor debug season ®

Add the following text to the end of the URL for the app "Xnxxiltor-trTw" Ⓒ Ⓒ

Open the app on a phone by using Power Apps mobile

Answer

Explanation:

Open the app in a browser on the phone

Add the following text to the end of the URL for the app "&monitor=true"

Perform the steps to generate the errors and download the results from Monitor.

Open the application in a browser on a laptop computer when they return to the office.

Step 1: Open the app in a browser on the phone.

Step 2: Add the following text to end of the URL for the app: "&monitor=true"
You can start a Monitor session from a model-driven app. To do this, append &monitor=true to the end of the URL in the browser. This displays the Monitor command on the model-driven app global command bar.

Select Monitor to open a monitoring session in a new tab.

Step 3: Perform the steps to generate the errors and download the results from Monitor.

Step 4: Open the application in a browser on a laptop computer when they return to the office

Reference:
https://powerapps.microsoft.com/en-us/blog/monitor-now-supports-model-driven-apps/

Question: 214

You deploy a Power Platform plug-in to a production environment. The plug-in code contains detailed tracing information. You are a member of the Environment Maker security role for the environment.

Users report unexpected results when they interact with confidential data by using the plug-in. You confirm that the plug-in works without errors in a development environment.

You need to investigate the root cause of the plug-in errors.

What should you do?

A. Send a PUT request to enable plug-in tracing for the production environment.
B. Send a GET request to retrieve the plugintracelogs records.
C. Install Plug-in profiler in the production environment by using the Plug-in Registration tool.
D. Reproduce and capture the errors, then debug from Visual Studio.

Answer: C

Explanation:

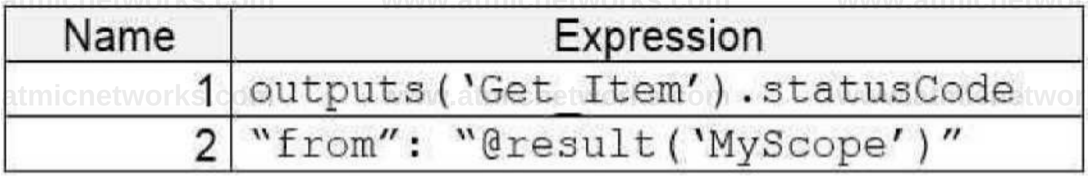
Plug-in profiler is a solution that you can install on your environment that enables you to capture the execution context of a plug-in and then use that data to re-play the event within Visual Studio while debugging. There are two tools available from which to run the Plug-in Profiler: the Plug-in Registration Tool and Power Platform Tools for Visual Studio.

Reference:
https://docs.microsoft.com/en-us/powerapps/developer/data-platform/tutorial-debug-plug-in

Question: 215
HOTSPOT

You are training a group of makers to use Power Automate.

You have the following expressions:

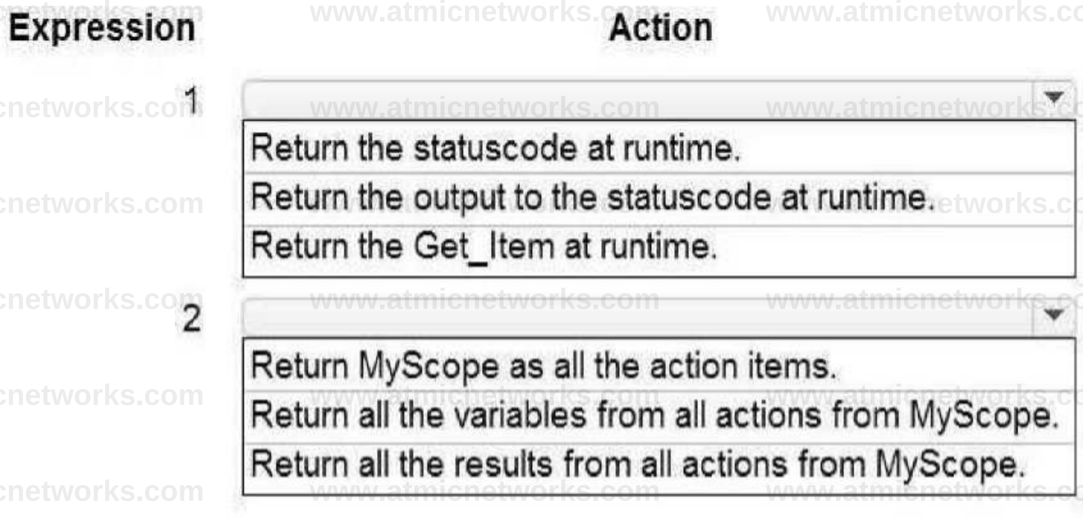


Name	Expression
1	`outputs('Get_Item').statusCode`
2	`"from": "@result('MyScope')"`

You need to identify what each expression is doing.

What does each expression do? To answer, select the appropriate options in the answer area.

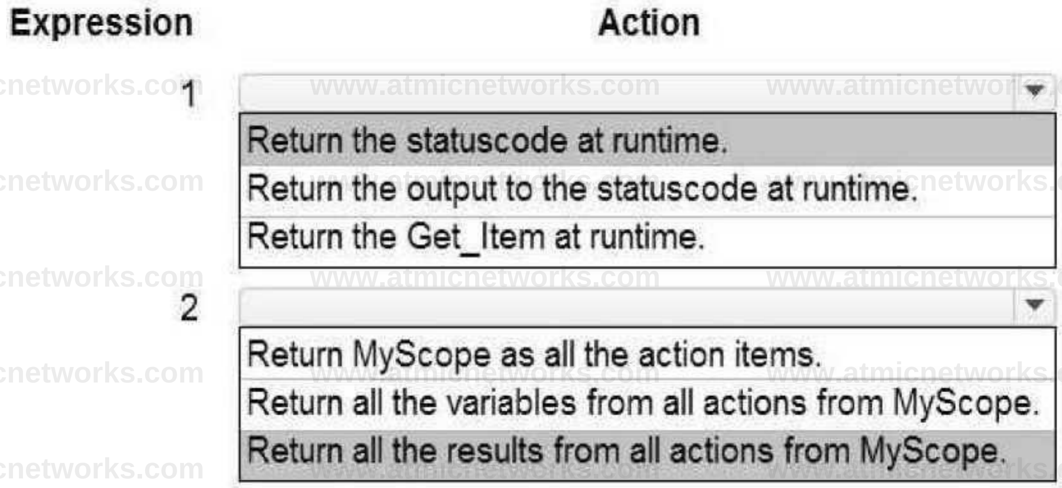
NOTE: Each correct selection is worth one point.



Expression	Action
1	Return the statuscode at runtime. Return the output to the statuscode at runtime. Return the Get_Item at runtime.
2	Return MyScope as all the action items. Return all the variables from all actions from MyScope. Return all the results from all actions from MyScope.

Answer:

Explanation:



Expression	Action
1	Return the statuscode at runtime. Return the output to the statuscode at runtime. Return the Get_Item at runtime.
2	Return MyScope as all the action items. Return all the variables from all actions from MyScope. Return all the results from all actions from MyScope.

Box 1: Return the statuscode at runtime.

You could try the following method to get the status code.

Configure Compose action under the specified action to get the status code.

outputs('ActionName')['statusCode']

Box 2: Return all the results from all actions from MyScope
The @result() expression accepts the name of a Scope as a parameter and returns a JSON array of objects that represent the results of the execution of each action within the Scope.

Reference:
https://powerusers.microsoft.com/t5/Building-Flows/How-to-determine-status-code-for-a- condition/td-p/355653

https://blogs.msmvps.com/windsor/2019/04/25/microsoft-flow-error-handling/

Question: 216

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than once correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You are developing a model-driven app for a company.

When you create a new Account record, you must automatically display a form to collect data that is needed to create a Contact record. The form must switch to the appropriate form layout based on the contact type.

You open the Contact form by using JavaScript. You pass the contact type information to the form by

using the Xrm.Navigation.openForm function. An OnLoad event handler in the Contact form processes the data and shows only the appropriate sections of the form for the given contact type.

You need to configure the receiving form to accept the data parameter.

Solution: In the form editor, add an event handler for the data parameter.

Does the solution meet the goal?

A. Yes
B. No

Answer: B

Explanation:

By default, model-driven apps allows a specified set of query string parameters to be passed to a form. You use these parameters to set default values when you create a new record in the application. Each parameter must use a standard naming convention that includes a reference to the column logical name.

There are two ways to specify which query string parameters will be accepted by the form:
Edit form properties
Edit form XML

Reference:

https://docs.microsoft.com/en-us/powerapps/developer/model-driven-apps/configure-form-accept-custom-querystring-parameters

Question: 217

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than once correct solution, while others might not have a correct solution.

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You need to configure the receiving form to accept the data parameter.

Solution: In the form editor, add a query string parameter for the data parameter.

Does the solution meet the goal?

A. Yes
B. No

Answer: A

Explanation:

By default, model-driven apps allows a specified set of query string parameters to be passed to a form. You use these parameters to set default values when you create a new record in the application. Each parameter must use a standard naming convention that includes a reference to the column logical name.

There are two ways to specify which query string parameters will be accepted by the form:

Edit form properties

Edit form XML

Reference:

https://docs.microsoft.com/en-us/powerapps/developer/model-driven-apps/configure-form-accept-custom-querystring-parameters

Question: 218

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than once correct solution, while others might not have a correct solution.

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You open the Contact form by using JavaScript. You pass the contact type information to the form by using the Xrm.Navigation.openForm function. An OnLoad event handler in the Contact form processes the data and shows only the appropriate sections of the form for the given contact type.

You need to configure the receiving form to accept the data parameter.

Solution: Export the solution, edit the customizations.xml, and add a querystringparameter element to the XML.

Does the solution meet the goal?

A. Yes
B. No

Answer: A

Explanation:

By default, model-driven apps allows a specified set of query string parameters to be passed to a form. You use these parameters to set default values when you create a new record in the application. Each parameter must use a standard naming convention that includes a reference to the column logical name.

There are two ways to specify which query string parameters will be accepted by the form:
Edit form properties
Edit form XML

Reference:
https://docs.microsoft.com/en-us/powerapps/developer/model-driven-apps/configure-form-accept- custom-querystring-parameters

Question: 219

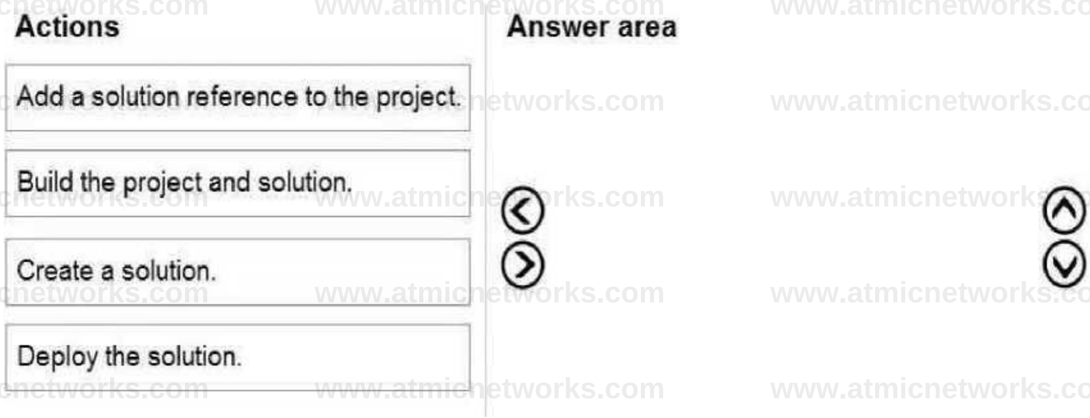
DRAG DROP

You are developing a new Power Apps Component Framework (PCF) control.

The control must be deployed to a development environment by using the Power Apps CLI and a new solution.

You need to deploy the PCF control.

Which four actions should you perform in sequence? To answer, move all actions from the list of actions to the answer area and arrange them in the correct order.



Actions

Add a solution reference to the project.

Build the project and solution.

Create a solution.

Deploy the solution.

Answer area

Answer:

Explanation:

Create a solution

Add a solution reference to the project

Build the project and solution

Deploy the solution

Step 1: Create a solution
Create a new solutions project using the following command. The solution project is used for bundling the code component into a solution zip file that is used for importing into Dataverse. pac solution init --publisher-name developer --publisher-prefix dev

Step 2: Add a solution reference to the project
Once the new solution project is created, refer the Solutions folder to the location where the created sample component is located. You can add the reference using the command shown below. This reference informs the solution project about which code components should be added during the build. You can add references to multiple components in a single solution project.
pac solution add-reference --path c:\downloads\mysamplecomponent

Step 3: Build the project and solution

To generate a zip file from the solution project, go into your solution project directory and build the project using the following command.

```
msbuild /t:build /restore
```

Step 4: Deploy the solution

Reference:

https://docs.microsoft.com/en-us/powerapps/developer/component-framework/import-custom- controls

Question: 220

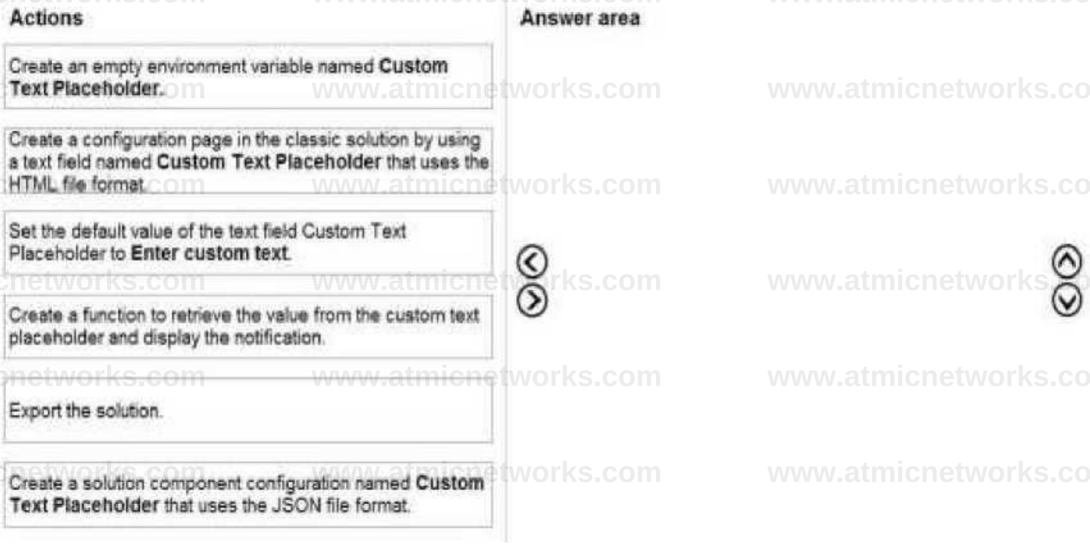
DRAG DROP

You create solutions in a development environment and export the solution for testing by various departments in your organization. Power users in each department control the testing environments.

You must display department-specific wording at the beginning of any custom notifications that are displayed in testing environments.

You need to package solutions to ensure that the power users can customize the notification content.

Which three actions should you perform in sequence inside a solution? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.



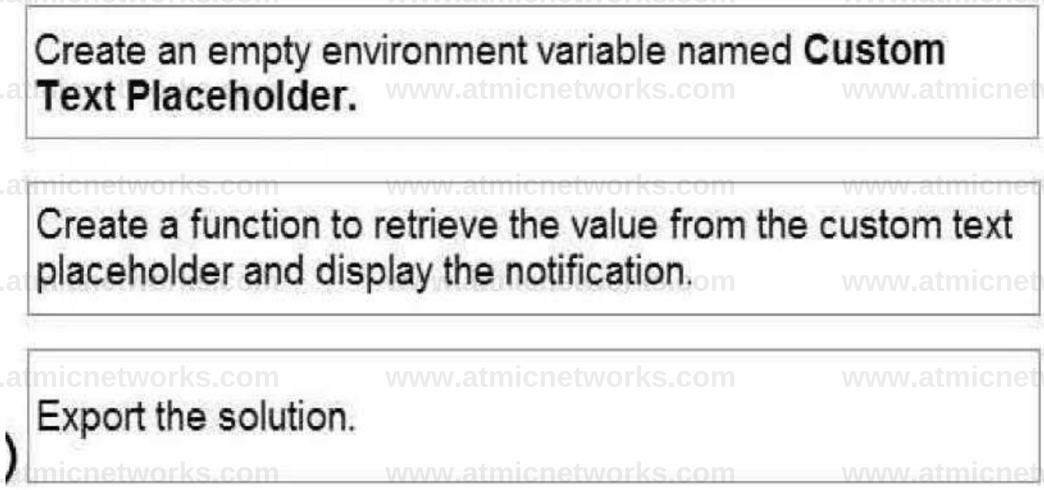
Actions

- Create an empty environment variable named **Custom Text Placeholder.**
- Create a configuration page in the classic solution by using a text field named **Custom Text Placeholder** that uses the HTML file format.
- Set the default value of the text field Custom Text Placeholder to **Enter custom text.**
- Create a function to retrieve the value from the custom text placeholder and display the notification.
- Export the solution.
- Create a solution component configuration named **Custom Text Placeholder** that uses the JSON file format.

Answer area

Answer:

Explanation:



Create an empty environment variable named **Custom Text Placeholder.**

Create a function to retrieve the value from the custom text placeholder and display the notification.

Export the solution.

Step 1: Create an empty environment variable named Custom Text Placeholder.
Applications often require different configuration settings or input parameters when deployed to different environments. Environment variables store the parameter keys and values, which then serve as input to various other application objects. Separating the parameters from the consuming objects allows you to change the values within the same environment or when you migrate solutions to other environments.

Step 2: Create a function to retrieve the value from the custom text placeholder and display the notification.

Step 3: Export the solution

You can manually export solutions. Microsoft recommends that you create an unmanaged solution to use for exporting your customizations, and then export your customizations periodically so that you have a backup in case anything happens.

Reference:
https://docs.microsoft.com/en-us/powerapps/maker/data-platform/environmentvariables

https://docs.microsoft.com/en-us/powerapps/maker/data-platform/export-solutions

Question: 221

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than once correct solution, while others might not have a correct solution.

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You open the Contact form by using JavaScript. You pass the contact type information to the form by using the

Xrm.Navigation.openForm function. An OnLoad event handler in the Contact form processes the data and shows only the appropriate sections of the form for the given contact type.

You need to configure the receiving form to accept the data parameter.

Solution: In the form editor, add a web resource that sets formContext.data.attributes.

Does the solution meet the goal?

A. Yes
B. No

Answer: B

Explanation:

By default, model-driven apps allows a specified set of query string parameters to be passed to a form. You use these parameters to set default values when you create a new record in the application. Each parameter must use a standard naming convention that includes a reference to the column logical name.

There are two ways to specify which query string parameters will be accepted by the form:
Edit form properties
Edit form XML

Reference:
[https://docs.microsoft.com/en-us/powerapps/developer/model-driven-apps/configure-form-accept- custom-querystring-parameters](https://docs.microsoft.com/en-us/powerapps/developer/model-driven-apps/configure-form-accept-custom-querystring-parameters)

Question: 222

DRAG DROP

You are developing a Power Platform app for a school. The school plans to use the app to gather information about classes and students.

You must design a plug-in for the app. You must store data about students in the Contacts table and store data about classes in a custom table.

You need to select the stage in the event pipeline for each function.

Which stages should you use? To answer, drag the appropriate plug-in stages to the correct functions. Each plug-in stage may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Plug-in stages Answer Area

Plug-in stage

PreValidation

PreOperation

PostOperation

Function

Cancel a class if the student is over 15 years old.

Update the record being processed by the plug-in step and rollback if an error occurs.

Add a student to the appropriate class.

Explanation:

Answer:

Answer Area

Function	Plug-in stage
Cancel a class if the student is over 15 years old.	PreValidation
Update the record being processed by the plug-in step and rollback if an error occurs.	PreOperation
Add a student to the appropriate class.	PostOperation

Box 1: PreValidation

For the initial operation, this stage will occur before the main system operation.

This provides an opportunity to include logic to cancel the operation before the database transaction.

Box 2: PreOperation

Occurs before the main system operation and within the database transaction.

If you want to change any values for an entity included in the message, you should do it here.

Avoid cancelling an operation here. Canceling will trigger a rollback of the transaction and have significant performance impact.

Box 3: PostOperation

Occurs after the main system operation and within the database transaction.

Use this stage to modify any properties of the message before it is returned to the caller.

Reference:

https://docs.microsoft.com/en-us/powerapps/developer/data-platform/event-framework

Question: 223

The communication department for a company plans to add a publicly accessible survey page to the company's public website.

You must add the new survey page to the company's public website and capture data from the page to a

Common Data Service environment.

Explicit user credentials must not be required to write survey data to Common Data Service.

You need to implement authentication.

Which authentication mechanism should you implement?

A. Microsoft 365
B. X.509 certificate
C. Azure AD Conditional Access
D. Claims-based

Answer: C

Explanation:

With Azure AD Conditional Access the users are authenticated by Azure Active Directory (Azure AD).

Reference:

https://docs.microsoft.com/en-us/power-platform/admin/wp-security

Question: 224

A company plans to replicate a Dynamics 365 Sales database into an Azure SQL Database instance for reporting purposes. The Data Export Service solution has been installed.

You need to configure the Data Export service.

Which three actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

A. Enable auditing for all entities that must be replicated to Azure SQL Database.
B. Create an export profile that specifies all the entities that must be replicated.
C. Set up server-based integration.
D. Enable change tracking for all entities that must be replicated to Azure SQL Database.
E. Create an Azure SQL Database service in the same tenant as the Dynamics 365 Sales environment.

Answer: ABD

Explanation:

8: The Export Profile is the core concept of the Data Export Service. The Export Profile gathers set up and configuration information to synchronize data with the destination database. As part of the Export Profile, the administrator provides a list of entities to be exported to the destination database.

D: Only entities that have change tracking enabled can be added to the Export Profile.

Reference:
https://docs.microsoft.com/en-us/power-platform/admin/replicate-data-microsoft-azure-sql- database

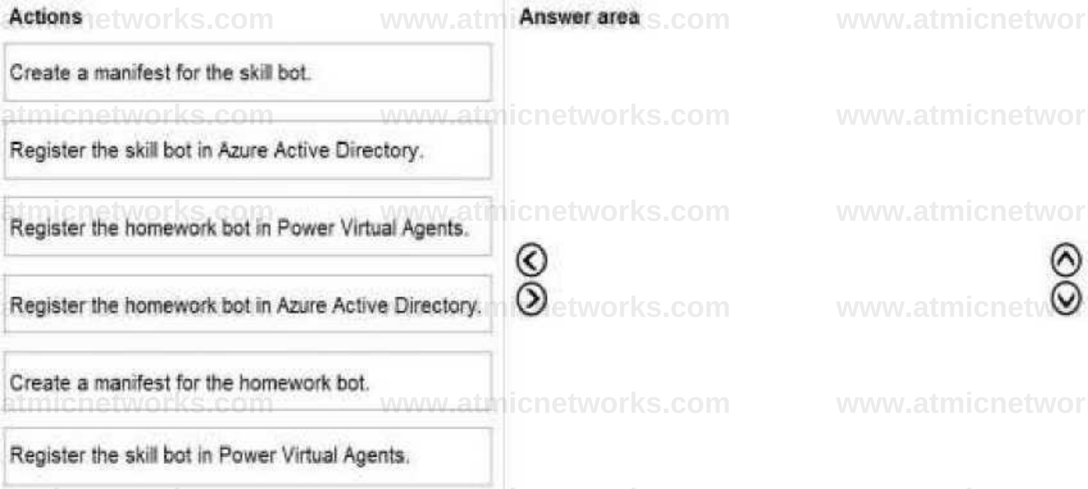
Question: 225

DRAG DROP

Teachers in a school district use Azure skill bots to teach specific classes. Students sign into an online portal to submit completed homework to their teacher for review. Students use a Power Virtual Agents chatbot to request help from teachers.

You need to incorporate the skill bot for each class into the homework bot.

Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.



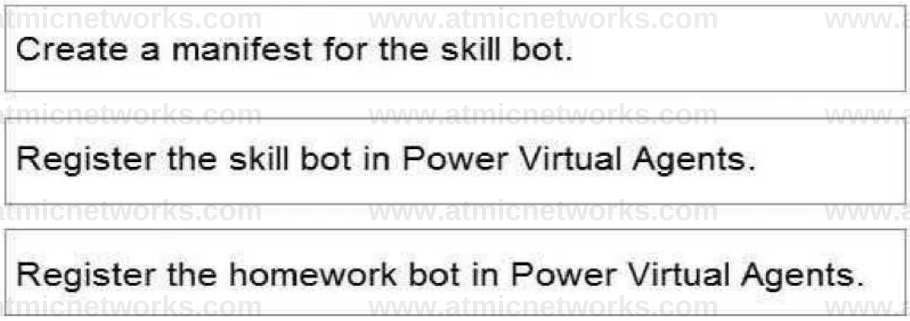
Actions

- Create a manifest for the skill bot.
- Register the skill bot in Azure Active Directory.
- Register the homework bot in Power Virtual Agents.
- Register the homework bot in Azure Active Directory.
- Create a manifest for the homework bot.
- Register the skill bot in Power Virtual Agents.

Answer area

Answer:

Explanation:



Create a manifest for the skill bot.

Register the skill bot in Power Virtual Agents.

Register the homework bot in Power Virtual Agents.

Step 1: Create a manifest for the skill bot

You can use skills to extend another bot. A skill is a bot that can perform a set of tasks for another bot. A skill's interface is described by a manifest.

Step 2: Register the skill bot in Power Virtual Agents

Power Virtual Agents enables you to extend your bot using Microsoft Bot Framework skills.

First, create a Power Virtual Agents bot and create and deploy the skill using pro-code tools into your organization.

Next, register a skill in Power Virtual Agents.

Step 3: Register the homework bot in Power Virtual Agents

You can use your Power Virtual Agents bot as a skill with Bot Framework bots.

The Bot Framework and Power Virtual Agents bots must be deployed in the same tenant.

Reference:

https://docs.microsoft.com/en-us/azure/bot-service/skill-implement-skill https://docs.microsoft.com/en-us/azure/bot-service/skill-implement-skill https://docs.microsoft.com/en-us/azure/bot-service/skills-write-manifest

Question: 226

A company is migrating from an on-premises Dynamics 365 installation to a Power Platform solution.

You are creating plug-ins for the new solution.

You need to register the plug-ins.

Which isolation mode should you use?

A. None
B. Global Assembly Cache (GAC)
C. Sandbox

D. Disk

Answer: C

Explanation:

You will find options related to the isolation mode and location for the assembly. These refer to options that apply to on-premise deployments. Dataverse is not available for on-premises deployments, so you will always accept the default options of SandBox and Database for these options.

Reference:
https://docs.microsoft.com/en-us/powerapps/developer/data-platform/register-plug-in

Question: 227

An organization uses a public-facing Power Apps portal.

You need to change the layout of a specific web page.

What are two possible ways to achieve the goal? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

A. Select the Portal Management app and then select Edit
B. Select the Portal Management app and then select Play.
C. Select the portal app and then select Manage.
D. Select the portal app and then select Edit.

Answer: AD

Explanation:

A: The Portal Management app lets you do advanced configuration actions on your portal.

Open the Portal Management app.
Go to Portals > Web Pages.
To edit an existing web page, select the web page name.
Enter appropriate values in the fields.
Select Save & Close.

D: To use the WYSIWYG editor:
Edit the portal to open it in Power Apps portals Studio.
Select the page on which you want to add the component.
Select an editable element on the canvas.

Reference:
https://docs.microsoft.com/en-us/powerapps/maker/portals/configure/web-page
https://docs.microsoft.com/en-us/powerapps/maker/portals/compose-page https://docs.microsoft.com/en-us/powerapps/maker/portals/compose-page

Question: 228

You are developing a model-driven app. The app uses data from two custom tables. The tables have a parent-child relationship. The parent record form contains a subgrid that displays the child records.

When creating a new child record from the parent form, data must automatically populate in the child record form to reduce data input errors.

You need to implement the solution.

What should you do?

A. Use a Power Automate flow to read data from the parent record and update the child record upon creation.
B. Map table columns from the parent record to the child record.
C. Create a business rule that sets the default values on the child record fields to values from the parent record.
D. Include a quick view form on the child record showing the data from the parent record.

Answer: B

Explanation:

A subgrid exists within a main form and let app users view data within a Dataverse table, typically related to the record currently being reviewed.

Reference:
https://docs.microsoft.com/en-us/powerapps/maker/model-driven-apps/sub-grid-properties-legacy

Question: 229

DRAG DROP

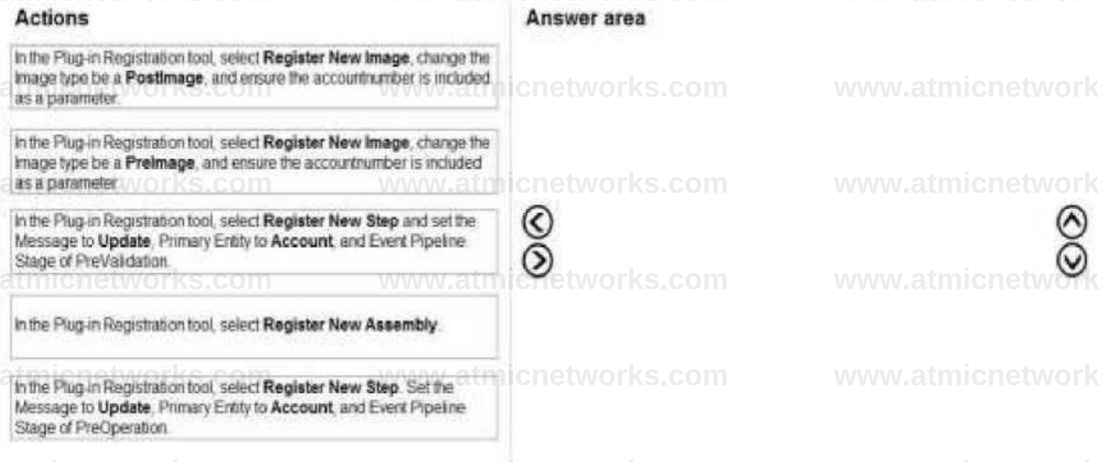
A company has a Common Data Service (CDS) environment.

All accounts in the system with a relationship type of Customer set must have an account number. A plug-in has been developed.

When a Customer is updated with a relationship type, the plug-in sets the account number if not provided by the user.

You need to register the plug-in.

Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.



Actions

In the Plug-in Registration tool, select **Register New Image**, change the Image type be a **PostImage**, and ensure the accountnumber is included as a parameter.

In the Plug-in Registration tool, select **Register New Image**, change the Image type be a **PreImage**, and ensure the accountnumber is included as a parameter.

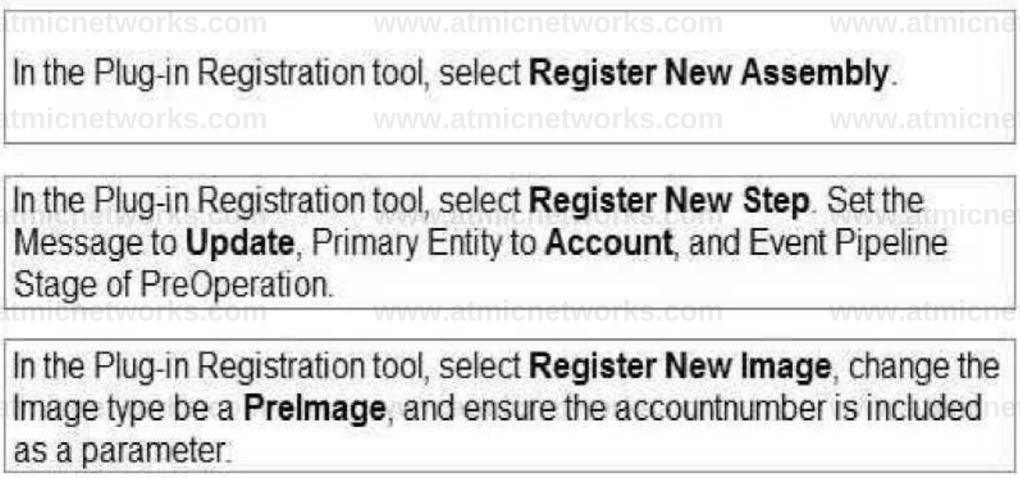
In the Plug-in Registration tool, select **Register New Step** and set the Message to **Update**, Primary Entity to **Account**, and Event Pipeline Stage of PreValidation.

In the Plug-in Registration tool, select **Register New Assembly**.

In the Plug-in Registration tool, select **Register New Step**. Set the Message to **Update**, Primary Entity to **Account**, and Event Pipeline Stage of PreOperation.

Answer:

Explanation:



In the Plug-in Registration tool, select **Register New Assembly**.

In the Plug-in Registration tool, select **Register New Step**. Set the Message to **Update**, Primary Entity to **Account**, and Event Pipeline Stage of PreOperation.

In the Plug-in Registration tool, select **Register New Image**, change the Image type be a **PreImage**, and ensure the accountnumber is included as a parameter.

Step 1: In the Plug-in Registration tool, select Register New Assembly.
You use the Plug-in Registration tool (PRT) to register your plug-in assemblies and steps.

Registering an assembly is the process of uploading the assembly to the Dataverse database.

Step 2: In the Plug-in Registration tool, Select Register New Step,..PreOperation PreOperation occurs before the main system operation and within the database transaction.
If you want to change any values for an entity included in the message, you should do it here.

Step 3: In the Plug-in Registration tool, Select Register New Image, change the Image type to be a PreImage, and..

If your plug-in step is registered in the PreValidation or PreOperation stages of the execution pipeline, you could use the Organization service to retrieve the current value of the property, but this is not a good practice for performance. A better practice is to define a pre-entity image with your plug-in step registration.

Reference:
https://docs.microsoft.com/en-us/powerapps/developer/data-platform/register-plug-in

Question: 230

You are developing a Power Platform solution for a medical practice. You create a custom table named Doctors to record details about the doctors who work at the medical practice.

You must be able to attach a PDF copy of a doctor's medical license to the row for each doctor.

You need to configure the table.

What should you do?

A. Create a Power Automate flow to add attachments.
B. Navigate to Table options and enable attachments.
C. Navigate to Column options and enable attachments.
D. Create relationships between the Doctor table and the Notes table.

Answer: C

Explanation:

A file column is used for storing file data up to a specified maximum size. A custom or customizable table can have zero or more file columns plus a notes (annotation) collection with zero to one attachment in each note.

Reference:
https://docs.microsoft.com/en-us/powerapps/developer/data-platform/file-attributes

Question: 231

HOTSPOT

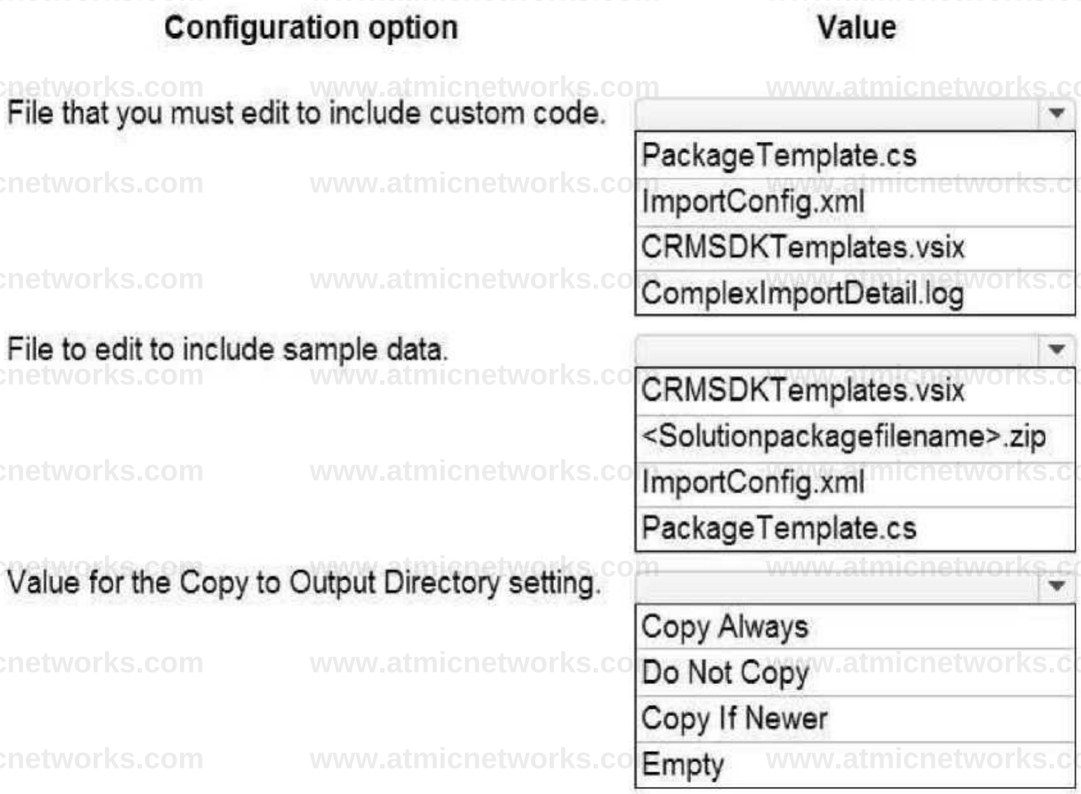
You are creating a package for a Power Platform solution. The package will include custom code and sample data.

The package must include all files that need to be installed.

You need to configure the package.

Which setting should you use? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.



Configuration option	Value
File that you must edit to include custom code.	PackageTemplate.cs ImportConfig.xml CRMSDKTemplates.vsix ComplexImportDetail.log
File to edit to include sample data.	CRMSDKTemplates.vsix <Solutionpackagefilename>.zip ImportConfig.xml PackageTemplate.cs
Value for the Copy to Output Directory setting.	Copy Always Do Not Copy Copy If Newer Empty

Answer:

Explanation:

Box 1: PackageTemplate.cs

Define custom code for your package in the PackageTemplate.cs file.

Box 2: ImportConfig.xml

The sample data and some flat files for solutions specified in the ImportConfig.xml file are imported before the solution import completes.

Box 3: Copy Always

Set the Copy to Output Directory value to Copy Always. This ensures that your file is available in the generated package.

Reference:

https://docs.microsoft.com/en-us/power-platform/alm/package-deployer-tool

Question: 232

You plan to populate records in a Common Data Service entity containing an option set field.

The source system has the label for the option set but not the corresponding integer value.

You are using a non .NET programming language.

You need to find the integer value for the option set.

What should you do?

A. Use Web API and use a PicklistAttibuteMetadata request.
B. Use the Organization service and execute a RetrieveOptionSetRequest request.
C. Use Web API and use an InsertOptionValue action.
D. Use the Organization service and execute a RetrieveAttributeRequest request.

Answer: B

Explanation:

You can retrieve a global choice (option set) by name (label) using the RetrieveOptionSetRequest message.

Reference:
https://docs.microsoft.com/en-us/powerapps/developer/data-platform/org-service/metadata- option-sets

Question: 233

HOTSPOT

You are developing a Power Platform solution. You plan to add three buttons to a form. The buttons have the following requirements:

Button	Requirement
Button 1	Add the current date and time to the form when the button is selected.
Button2	Apply conditional logic to change the form color based on the option selected in the Title field.
Button3	Ensure that the word Emergency is entered as "Emergency".

You need to complete each button's action.
Which commands should you use? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Button	Command
Buttonl	Todayj | only Now;) only T cdayO or Now, I
Button2	Switch 0 only IF () only SwttchQ or IF()
Button3	IsMstch; TextInputl Text. ‘emergency’, Contains) IsMatch; TextInputl Text, 'emergency', Contains & IgnoreCase) IsMatch; TextInputl Text ‘emergency', Contains } or IsMatchl TextInputl Text, ‘emergency' Contains & IgnoreCase I

Answer:

Explanation:

Box 1: Now() only.

The Now function returns the current date and time as a date/time value.

Box 2: Switch() or IF()

If and Switch functions in Power Apps determines whether any condition in a set is true (If) or the result of a formula matches any value in a set (Switch) and then returns a result or executes an action.

Box 3: isMatch(TextInput1.Text,"emergency",Contains & IgnoreCase)

Example: IsMatch(TextInput1.Text, "hello", Contains & IgnoreCase)

Tests whether the user's input contains the word "hello" (case insensitive).

Reference:

https://docs.microsoft.com/en-us/powerapps/maker/canvas-apps/functions/function-if

Question: 234

DRAG DROP

A company has a model-driven app.

A form that validates the date entered requires a custom button. The button must be available only under certain conditions.

You need to define the CommandDefinition in the RibbonDiffXML to meet the conditions for the button.

Which elements should you use? To answer, drag the appropriate elements to the correct conditions. Each element may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Elements
Enable Rule
Display Rule
Action

Answer Area

Condition	Element
Make the button appear when the form shows an existing record.	Element
Make the button appear when the user has Write privilege on the record.	Element
Prevent the button from being used in Bulk Edit mode.	Element

Answer:

Explanation:

Box 1: Display Rule

When configuring ribbon elements, you can define specific rules to control when the ribbon elements will display.

Box 2: Action

Define the actions to be performed by a command bar or ribbon control in a <CommandDefinition> element together with rules that control whether the control is enabled or visible in the ribbon.

Box 3: Enable Rule

When configuring ribbon elements, you can define specific rules to control when the ribbon elements are enabled.

Reference:

https://docs.microsoft.com/en-us/powerapps/developer/model-driven-apps/define-ribbon-enable- rules
https://docs.microsoft.com/en-us/powerapps/developer/model-driven-apps/define-ribbon-display- rules
https://docs.microsoft.com/en-us/powerapps/developer/model-driven-apps/define-ribbon-display- rules
https://docs.microsoft.com/en-us/powerapps/developer/model-driven-apps/define-ribbon-actions
https://docs.microsoft.com/en-us/powerapps/developer/model-driven-apps/define-ribbon-actions

Question: 235

HOTSPOT

A clothing store uses Power Apps apps to interact with customers. Customer data is stored in Microsoft Dataverse.

The store offers discounts for customers. You assign a group discount to all customers in a category. Applicable group discounts are added to any customer-specific discounts. Discount information is stored in the following columns:

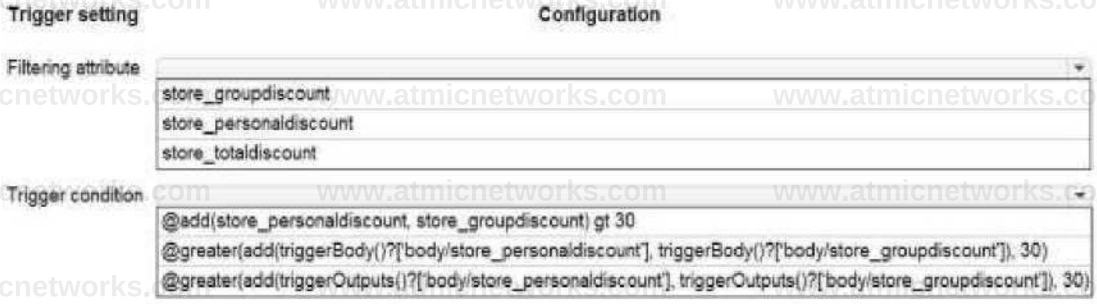
Information type	Column
Group discount	store_groupdiscount
Personal discount	store_personaldiscount
Total discount	storejotaldiscount

If the total discount on an order exceeds 30 percent, a manager must approve the order before the order is fulfilled and delivered.

You need to create a flow that notifies managers when approvals are required.

How should you configure the flow trigger? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.



Trigger setting	Configuration
Filtering attribute	store_groupdiscount store_personaldiscount store_totaldiscount
Trigger condition	@add(store_personaldiscount, store_groupdiscount) gt 30 @greater(add(triggerBody()?['body/store_personaldiscount'], triggerBody()?['body/store_groupdiscount']), 30) @greater(add(triggerOutputs()?['body/store_personaldiscount'], triggerOutputs()?['body/store_groupdiscount']), 30)

Answer:

Explanation:

Box 1: store_totaldiscount

If the total discount on an order exceeds 30 percent, a manager must approve the order before the order is fulfilled and delivered.

Box 2: @greater(add(triggerBody()..

When to use triggerBody() ? – When you want to fetch attributes from the body of the trigger.

Incorrect Answers:

When to use triggerOutputs() ? – Whenever you need to access anything from within the body as well as some info from the header as well.

Reference:

https://d365demystified.com/2020/09/06/using-triggerbody-triggeroutput-to-read-cds-trigger-metadata-attributes-in-a-flow-power-automate/

Question: 236

DRAG DROP

You are creating technical designs for several complex business processes.

You need to implement custom business logic based on the requirements.

Which implementation methods should you use? To answer, drag the appropriate implementation methods to the correct requirements. Each implementation method may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Implementation methods

- Business rule
- JavaScript code
- Power Automate flow
- Plug-in

Answer Area

Requirement	Implementation method
Access current and new values when data is updated.	
Run on a schedule.	

Answer:

Explanation:

Box 1: Business rule

You can create business rules and recommendations to apply logic and validations without writing code or creating plug-ins. Business rules provide a simple interface to implement and maintain fastchanging and commonly used rules.

By combining conditions and actions, you can do any of the following with business rules:

Set column values
Clear column values
Set column requirement levels
Show or hide columns
Enable or disable columns
Validate data and show error messages
Create business recommendations based on business intelligence.

Box 2: Power Automate flow

You can create a cloud flow that performs one or more tasks (such as sending a report in email): Once a day, an hour, or a minute
On a date that you specify
After a number of days, hours, or minutes that you specify

Reference:
https://docs.microsoft.com/en-us/power-automate/run-scheduled-tasks

Question: 237

You create a Power Automate flow that retrieves data from a proprietary database.

You need to ensure that the flow works for other users.

Which two actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

A. Share a view with users.
B. Share the custom connector with users.
C. Share the flow with users.
D. Share the environment by giving permissions to the users.

Answer: BC

Explanation:

Share the flow and the custom connector with users.

Reference:
https://docs.microsoft.com/en-us/connectors/custom-connectors/share

Question: 238

You are creating a model-driven app.

A JavaScript function must be manually initiated by the user from within an entity form.

You need to add a button to the form to run the JavaScript.

What should you do?

A. Use the Ribbon Workbench.
B. Edit the SiteMap.
C. Edit the XML for the form.
D. Edit ISV.Config.
E. Export the ribbon definitions.

Answer: A

Explanation:

How to add JavaScript to existing button in Ribbon WorkBench.

Open Ribbon workbench and Right click on Assign button from Account form and click on Customize Button. Add Enable rule and call Javascript function.

Reference:

[https://docs.microsoft.com/en-us/powerapps/developer/model-driven-apps/customize-commands- ribbon](https://docs.microsoft.com/en-us/powerapps/developer/model-driven-apps/customize-commands-ribbon)

Question: 239

HOTSPOT

You need to complete a Power Apps component framework (PCF) control.

How should you define the order in the manifest? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

```
<resources>
<code path=”scripts/HelloWorldControlWave.js” order=”l” />
<code path=”scripts/HelloWorldControlRandom.js” order=”2” />
<css path=”style/HelloWorldControl.css” orders” ▼ ” />
                                              1
                                              2
                                              3

<html path=”HelloWorldControlWaveRandom.htm”           ” />
order-
</resources>                                        1
                                                    2
                                                    3
```

Answer:

Explanation:

Box 1: 1

The css order element is the order in which the CSS files should load.

Box 2: 1

The html order element is the order in which the HTML files should load.

Reference:

https://docs.microsoft.com/en-us/powerapps/developer/component-framework/manifest-schema-reference/css

https://docs.microsoft.com/en-us/powerapps/developer/component-framework/manifest-schema-reference/html

Question: 240

HOTSPOT

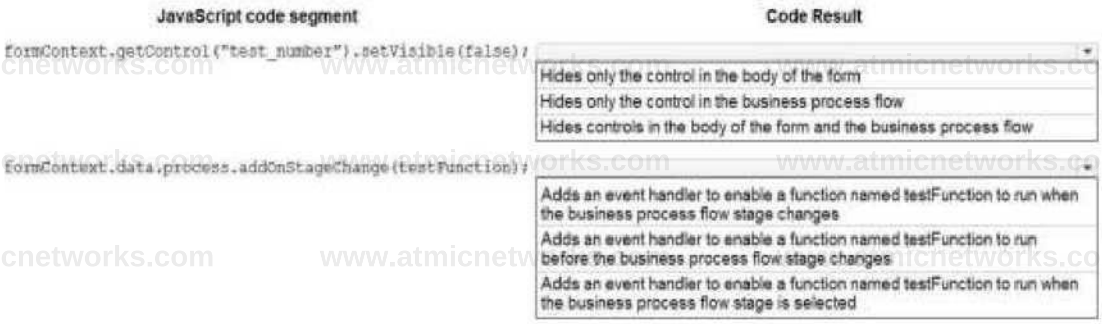
You are developing a business process flow.

JavaScript must be used to implement additional business logic in the business process flow.

You need to evaluate the JavaScript code.

What is the result of running each code segment? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.



JavaScript code segment	Code Result
`formContext.getControl("test_number").setVisible(false);`	Hides only the control in the body of the form Hides only the control in the business process flow Hides controls in the body of the form and the business process flow
`formContext.data.process.addOnStageChange(testFunction);`	Adds an event handler to enable a function named testFunction to run when the business process flow stage changes Adds an event handler to enable a function named testFunction to run before the business process flow stage changes Adds an event handler to enable a function named testFunction to run when the business process flow stage is selected

Answer:

Explanation:

Box 1: Hides the control in the body of the form.
The Client API form context (formContext) provides a reference to the form or to an item on the form, such as, a quick view control or a row in an editable grid, against which the current code is executed.

setVisible sets a value that indicates whether the control is visible.

Box 2: Add an event handler to enable a function named TestFunction to run when the business process flow stage changes.

addOnStageChange adds a function as an event handler for the OnStageChange event so that it will be called when the business process flow stage changes.

Reference:
https://docs.microsoft.com/en-us/powerapps/developer/model-driven-apps/clientapi/clientapi- form-context
https://docs.microsoft.com/en-us/powerapps/developer/model-driven- apps/clientapi/reference/formcontext-data-process/eventhandlers/addonstagechange https://docs.microsoft.com/en-us/powerapps/developer/model-driven- apps/clientapi/reference/formcontext-data-process/eventhandlers/addonstagechange

Question: 241

You are creating a canvas app for a bank. Consumers will enter information into the app when they apply for a loan.

The input form for the app must display fields to prompt the consumer for their first name, last name, address, and the requested loan amount.

Immediately after a consumer enters a value for the LoanAmount field, the background color for the column must change. The background color for the column must change to red if a consumer enters a value of more than $5,000 and must turn green for values less than or equal to $5,000.

You need to implement the required behavior.

Which option should you use?

A. Create a Power Automate flow.
B. Configure field properties.
C. Add a business rule to the form.
D. Add a formula to the LoanAmount field.

Answer: D

Explanation:

Conditional formatting in Power Apps can be done with formulas.

Reference:
https://powerapps.microsoft.com/en-us/blog/conditional-formatting-in-powerapps/

Question: 242

HOTSPOT

A company has a canvas app that has a screen with a gallery of contacts.

Users must be able to search the gallery by last name, email address, and country/region. They must also be able to sort by last name, followed by country/region.

You need to define the expression that meets the requirements.

How should you complete the expression? To answer, select the appropriate options from the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

(

Contacts,

TextSearchBoxl.Text

"lastname”, "emailaddressl”, "addresslcountry”

"lastname”.

As ten ci in.;,

"addresslcountry” Ascending

Answer:

Explanation:

Box 1: SortByColums

The SortByColumns function can be used to sort a table based on one or more columns.

The parameter list for SortByColumns provides the names of the columns to sort by and the sort direction per column. Sorting is performed in the order of the parameters (sorted first by the first column, then the second, and so on).

Box 2: Filter

The Filter function finds records in a table that satisfy a formula. Use Filter to find a set of records that match one or more criteria and to discard those that don't.

Incorrect Answers:

Lookup: The LookUp function finds the first record in a table that satisfies a formula. Use LookUp to find a single record that matches one or more criteria.
Search: Search function uses a single string to match instead of a formula.

Reference:
https://docs.microsoft.com/en-us/powerapps/maker/canvas-apps/functions/function-sort

Question: 243

DRAG DROP

You are a Power Platform developer.

Users report several access issues.

You need to resolve the user access issues.

What should you use? To answer, drag the appropriate security options to the correct scenarios. Each security option may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Security options Answer Area

- DLP policy
- GDPR compliance
- Conditional access
- Exfiltration blocking

Issues	Security option
A user is not able to sign into a Power Apps app from home.	Security option
A user is not able to use a social media connector in a flow that uses the Microsoft Teams connector.	Security option
A user is not able to forward email messages to an address in another domain.	Security option

Answer:

Explanation:

Box 1: Conditional access
You can limit access to users with block access by location to reduce unauthorized access. By using Conditional Access policies, you can apply the right access controls when needed to help keep your organization secure and stay out of your user's way when not needed. Conditional Access analyses signals such as user, device, and location to automate decisions and enforce organizational access

policies for resources.

Box 2: DLP policy
DLP policies enforce rules for which connectors can be used together by classifying connectors as either Business or Non-Business. If you put a connector in the Business group, it can only be used with other connectors from that group in any given app or flow. Sometimes you might want to block the usage of certain connectors altogether by classifying them as Blocked.

Box 3: Exfiltration blocking
Email exfiltration controls for connectors
Microsoft Exchange enables admins to disable email autoforwards and autoreplies to remote domains for external recipients. Exchange does this by using message-type headers, such as Auto Forward received from Outlook and Outlook on web clients.

Reference:
https://docs.microsoft.com/en-us/power-platform/admin/restrict-access-online-trusted-ip-rules
https://docs.microsoft.com/en-us/power-platform/admin/wp-data-loss-prevention
https://docs.microsoft.com/en-us/power-platform/admin/wp-data-loss-prevention
https://docs.microsoft.com/en-us/power-platform/admin/block-forwarded-email-from-power- automate
https://docs.microsoft.com/en-us/power-platform/admin/block-forwarded-email-from-power- automate

Question: 244

HOTSPOT

A company uses Dynamics 365 Sales.

You need to configure the customer lookup search for email activity in the canvas app.

How should you complete the expression? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

```
If ( ~ ( ThisItem.'Company Name' ), "",
        IsBlank
        AsType
        IsType
      ' ( ThisItem.'Company Name*, [                    ■ '"] )>
       IsBlank
      AsType
       IsType
         "Account: fr & ▼ ( ThisItem.'Company Name', (                        ] ).'Account Name'
                        IsBlank
                        AsType
                        IsType
       "Contact: " & ' ( ThisItem.'Company Name', [                        ;] ).'Full Name'
 )
                      IsBlank
                      AsType
                      IsType
```

Answer:

Explanation:

Box 1: IsBlank

The IsBlank function tests for a blank value or an empty string. The test includes empty strings to ease app creation since some data sources and controls use an empty string when there is no value present.

Box 2: IsType

The IsType function tests whether a record reference refers to a specific table type.

Box 3: AsType

The AsType function treats a record reference as a specific table type, sometimes referred to as casting. You can use the result as if it were a record of the table and again use the Record.Field notation to access all of the fields of that record. An error occurs if the reference isn't of the specific type.

Box 4: AsType

Reference:

https://docs.microsoft.com/en-us/powerapps/maker/canvas-apps/functions/function-isblank- isempty
https://docs.microsoft.com/en-us/powerapps/maker/canvas-apps/functions/function-astype-istype
https://docs.microsoft.com/en-us/powerapps/maker/canvas-apps/functions/function-astype-istype

Question: 245

HOTSPOT

You are designing an integration between Dataverse and an external application. The external application processes thousands of records per day.

Record processing volumes vary throughout the day. Extremely high processing volumes may occur and may exceed the Dataverse service protection API limits.

You need to implement each service protection limit that is enforced.

Which implementations should you use? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Service Protection Limit	Implementation
Number of requests	▼ Number per user over a sliding window of time Number per environment over a sliding window of time Number per user per 24-hour period Number per environment per 24-hour period
Combined execution time	▼ Combined time per user over a sliding window of time Combined time per user over a fixed window of time Combined time per environment over a sliding window of time

Combined time per environment over a fixed window of time

Concurrent requests ’

Fixed number per user
Fixed number per tenant
Fixed number per application
Fixed number per environment

Answer:

Explanation:

Box 1: Number per user over a sliding window of time
Service protection API limits are enforced based on three facets:
The number of requests sent by a user.
The combined execution time required to process requests sent by a user.
The number of concurrent requests sent by a user.

The following table describes the default service protection API limits enforced per web server:

Measure	Description	Limit per web server
Number of requests	The cumulative number of requests made by the user.	6000 within the 5 minute sliding window
Execution time	The combined execution time of all requests made by the within the user.	20 minutes (1200 seconds) within the 5 minute sliding window
Number of concurrent requests	The number of concurrent requests made by the user	52

Box 2: Combined time per user over a sliding window of time

Box 3: Fixed number per user

Reference:
https://docs.microsoft.com/en-us/powerapps/developer/data-platform/api-limits

Question: 246

You are creating a Power Automate flow.

You create an Azure Service Bus listener app that receives requests from a third-party application.

When the flow calls the message queue, it must delete the message as soon as it is read.

You need to ensure that the queue is cleared properly.

Which method or class should you use?

A. ReceiveMode
B. BrokeredMessage
C. EventHubReceiver
D. EventHubSender

Answer: A

Explanation:

ReceiveMode enumerates the values for the receive mode. The default is PeekLock.

Fields:

PeekLock: Specifies the PeekLock receive mode. This is the default value for ReceiveMode.

ReceiveAndDelete: Specifies the ReceiveAndDelete receive mode.

Note: You can specify two different modes in which Service Bus receives messages.

Receive and delete. In this mode, when Service Bus receives the request from the consumer, it marks the message as being consumed and returns it to the consumer application.

Peek lock.

Reference:

https://docs.microsoft.com/en-us/azure/service-bus-messaging/service-bus-queues-topics- subscriptions

https://docs.microsoft.com/en-us/dotnet/api/microsoft.servicebus.messaging.receivemode

Question: 247

As part of the month-end financial closing process, a company uses a batch job to copy all orders into a staging database.

The staging database is used to calculate any outstanding amounts owed by clients, and must process all historical data.

You need to ensure that only the data affected during the month is included in the integration process.

What are two possible ways to achieve this goal? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

A. Use change tracking on the orders and run the integration to retrieve new orders and the orders that have the total amount changed in the last month.

B. Create a system view with the orders that have the Modified On field in the last month and run the integration on this subset.

C. Use change tracking on the order lines and run the integration every week and retrieve only the order lines that have been created or deleted in the last month.

D. Create a system view with the order lines that have the Modified On field in the last month and run the integration on this subset.

Answer: CD

Explanation:

C: The change tracking feature in Microsoft Dataverse provides a way to keep the data synchronized in an efficient manner by detecting what data has changed since the data was initially extracted or last synchronized. Deletions and creations are tracked.

D: On modified Order Lines, not on Modified Orders.

Reference:
https://docs.microsoft.com/en-us/powerapps/developer/data-platform/use-change-tracking-synchronize-data-external-systems

https://docs.microsoft.com/en-us/powerapps/developer/data-platform/behavior-format-date-time-attribute

Question: 248

A company is creating a one-way integration from the Common Data Service to an external system. Data will be sent from a webhook to an Azure Function.

You need to configure the Azure Function to handle data from the webhook.

Which class and data type must the Azure Function handle?

A. RemoteExecutionContext in .NET binary format
B. RemoteExecutionContext in JSON format
C. RemoteExecutionContext in XML format
D. IPluginExecutionContext in JSON format
E. IPluginExecutionContext in XML format

Answer: B

Explanation:

The body will contain string that represents the JSON value of an instance of the RemoteExecutionContext class.

Reference:
https://docs.microsoft.com/en-us/powerapps/developer/data-platform/use-webhooks

Question: 249

HOTSPOT

An online store has a custom web page that allows customers to place their orders against a Microsoft Dataverse database that uses custom products. The custom web page uses Web API patterns to create and update records.

Customers report that orders can be placed for out-of-stock items.

You need to update the page code to ensure that inventory is available before confirming an order.

Which pattern should you use for each step? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Step	Pattern
Check the inventory table before retrieving the inventory record.	ChangeTrackingEnabled DaysSinceRecordLastModified IsOptimisticConcurrencyEnabled
Update the quantity on the inventory record using PATCH.	If-Match: * If-Match: Etag If-None-Match: * If-None-Match: Etag

Answer:

Explanation:

Box 1: IsOptimisticConcurrencyEnabled
On a multi-threaded and multi-user system like Power Apps, operations and data changes often happen in parallel. A problem arises when two or more update or delete operations on the same piece of data happen at the same time. This situation could potentially result in data loss. The optimistic concurrency feature provides the ability for your applications to detect whether a table record has changed on the server in the time between when your application retrieved the record and when it tries to update or delete that record.

Box 2: If-Match: Etag
Use If-Match and If-None-Match headers with ETag values to check whether the current version of a resource matches the one last retrieved, matches any previous version or matches no version. These comparisons form the basis of conditional operation support. Dataverse provides ETags to support conditional retrievals, optimistic concurrency, and limited upsert operations.

Reference:
https://docs.microsoft.com/en-us/powerapps/developer/data-platform/optimistic-concurrency

https://docs.microsoft.com/en-us/powerapps/developer/data-platform/webapi/perform- conditional-operations-using-web-api

https://docs.microsoft.com/en-us/powerapps/developer/data-platform/webapi/perform- conditional-operations-using-web-api

Question: 250

A Power Platform solution includes the following Web API call:

GET http://contoso.crm.dynamics.com/api/data/v9.1/RelationshipDefinitions?$select=SchemaName You need to explain what this line of code is doing.

What does the code do?

A. Retrieve the list of relationships between tables.

B. Retrieve a list of tables that are related to each other.

C. Retrieve a list of one-to-many relationships with other tables.

D. Retrieve a list of tables that have more than one relationship.

E. Retrieve a list of many-to-many relationships with other tables.

Answer: A

Explanation:

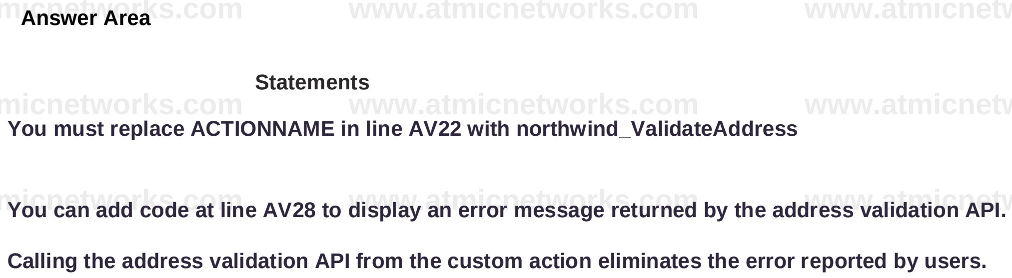
https://docs.microsoft.com/en-us/power-apps/developer/data-platform/webapi/query-metadata- web-api

Question: 251

HOTSPOT

You need to correct the JavaScript code that communicates with the address verification API.

For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point.



Answer Area

Statements

You must replace ACTIONNAME in line AV22 with northwind_ValidateAddress

You can add code at line AV28 to display an error message returned by the address validation API.

Calling the address validation API from the custom action eliminates the error reported by users.

Answer:

Explanation:

YES, YES, NO

Question: 252

You need to resolve the address validation API error.

Which method should you use to connect?

A. an Azure function triggered by a webhook
B. JavaScript code
C. a custom connector used in a cloud flow
D. a plug-in attached to a custom action called from JavaScript

Answer: C

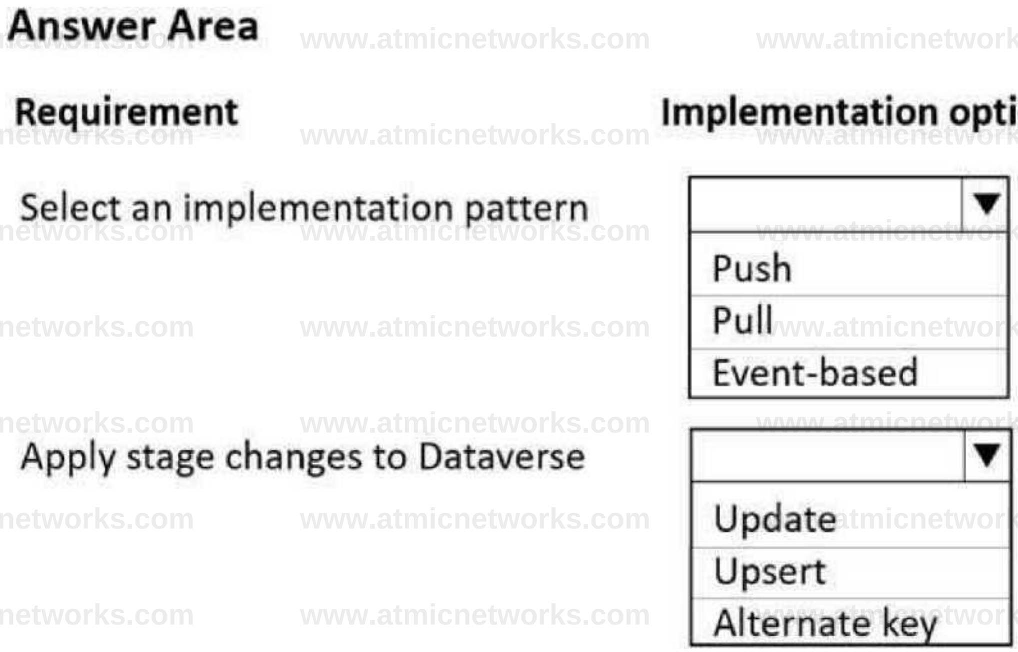
Explanation:

Question: 253

HOTSPOT

You need to design functionality to process background check results.

What should you implement? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.



Answer Area

Requirement	Implementation option
Select an implementation pattern	Push Pull Event-based
Apply stage changes to Dataverse	Update Upsert Alternate key

Answer:

Explanation:

Box 1 = Event based
Box 2 = Update

Question: 254

HOTSPOT

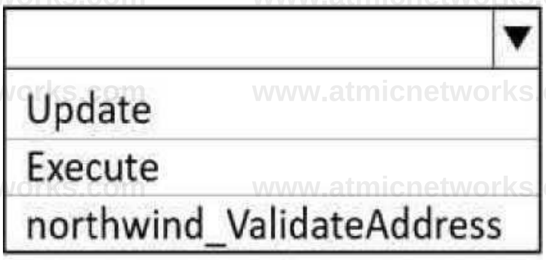
You need to configure the address verification API.
Which values should you use? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Answer Area

Property

Value

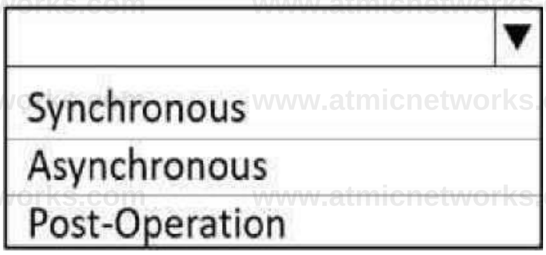
Address validation message



Update
Execute
northwind_ValidateAddress

Execution mode

Answer:



Synchronous
Asynchronous
Post-Operation

Explanation:

Box 1 = northwind_ValidateAddress
Box 2 = Synchronous

Question: 255

You need to connect to the background check API.
Which mechanism should you use?

A. JavaScript
B. Flow with a custom connector
C. Azure Function
D. Plug-in

Answer: C

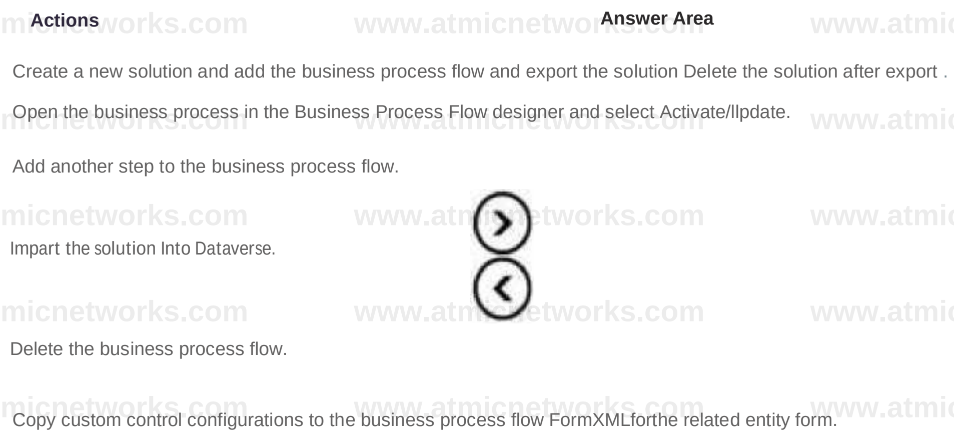
Explanation:

Question: 256

DRAG DROP

You are developing a Power Platform solution. You are modifying a business process flow. You have created a new radial knob for the Total amount value and have added the radial knob to the form.
The Total amount value must be entered at initiation before moving to the next step.
You need to configure the business process flow.

Which four actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.



Actions

Answer Area

Create a new solution and add the business process flow and export the solution Delete the solution after export .

Open the business process in the Business Process Flow designer and select Activate/llpdate.

Add another step to the business process flow.

Impart the solution Into Dataverse.

Delete the business process flow.

Copy custom control configurations to the business process flow FormXMLforthe related entity form.

Answer:

Explanation:

1. Create a new solution and add the business process flow and export the solution. Delete the solution after export.

2. Copy custom control configurations to the business process flow FormXML for the related entity form.

3. Import the solution into the Dataverse

4. Open the business process in the Business Process Flow designer and select Activate/Update

Question: 257

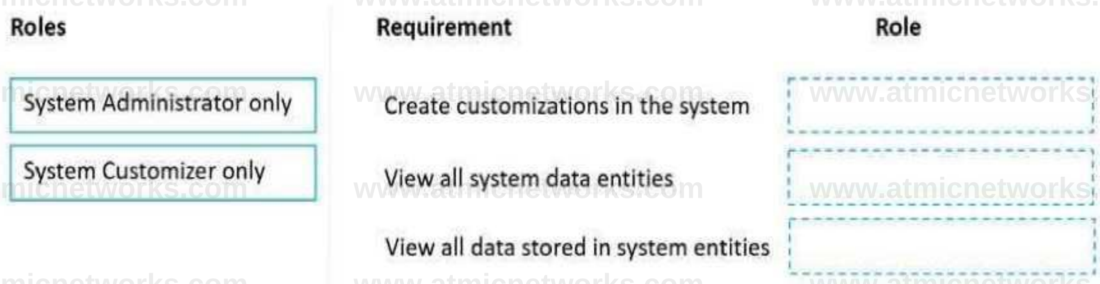
DRAG DROP

You have several model-driven apps.

You must ensure that app creators and system administrators can customize the apps. You must follow the principle of least privilege.

You need to assign the permissions that are needed for app creators and system administrators. Which security roles should you assign? To answer, drag the appropriate roles to the correct requirements. Each role may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point



Roles

- System Administrator only
- System Customizer only

Requirement	Role
Create customizations in the system	
View all system data entities	
View all data stored in system entities	

Answer:

Explanation:

Customizer, customizer, admin

System Administrator has Organization level access to all system (Out Of Box) entities while System Customizer has only User level access to all system entities. While both System Administrator and System Customizer have Organization level access to all custom entities.

Question: 258

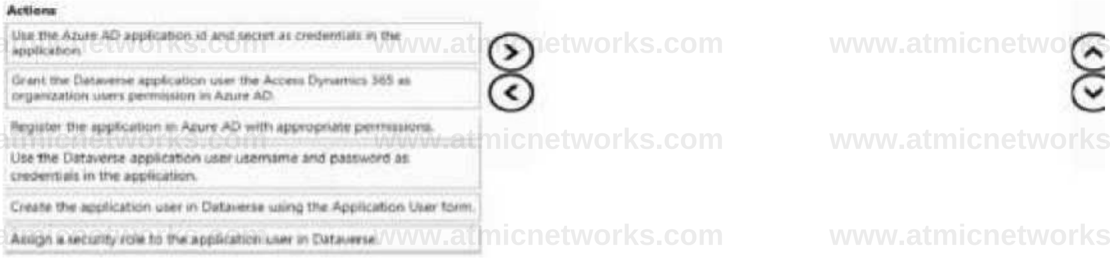
DRAG DROP

You are creating an app that connects to Microsoft Dataverse on a nightly basis. You plan to integrate the app with an external system.

The application must not authenticate by using a Microsoft Azure Active Directory (Azure AD) user account.

You need to enable the application to authenticate to Dataverse.

Which four actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

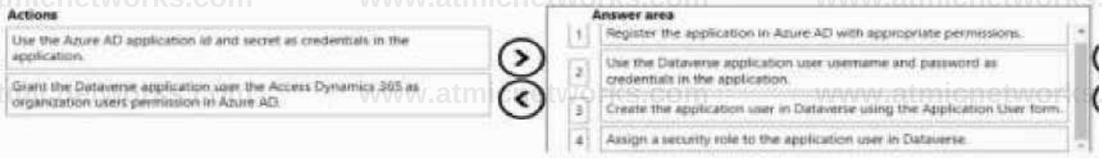


Actions

- Use the Azure AD application id and secret as credentials in the application.
- Grant the Dataverse application user the Access Dynamics 365 as organization users permission in Azure AD.
- Register the application in Azure AD with appropriate permissions.
- Use the Dataverse application user username and password as credentials in the application.
- Create the application user in Dataverse using the Application User form.
- Assign a security role to the application user in Dataverse.

Answer:

Explanation:



Actions

- Use the Azure AD application id and secret as credentials in the application.
- Grant the Dataverse application user the Access Dynamics 365 as organization users permission in Azure AD.

Answer area

1. Register the application in Azure AD with appropriate permissions.
2. Use the Dataverse application user username and password as credentials in the application.
3. Create the application user in Dataverse using the Application User form.
4. Assign a security role to the application user in Dataverse.

Question: 259

HOTSPOT

The following code updates the customer size code choice column on the Account table if the number of employees column value is greater than 100. Line numbering is provided for information only.

```
01 static void UpdateAccount(CrmServiceCllent svc, string accountld)
02 {
03 using (svc)
04          {
05                   var account - svc. Retrieve( "account**, accountld, naw ColumnSet(true));
06
07                   var numberofemployees - account .GetAttributeValuec int>("numberof employees**);
08                   if        (numberofemployees             > 100)
09                   {
10                             account['customersizecode"] * new OptionSetValue(2);
11                             svc.update(account);
u                    }
13          }
1* }
```

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

Answer Area

Statement	Vee No
Does Ute Retrieve methoo use the correct parameters'	
Wifl a ptug-rn trtggcfM on the update or the numberciterrtpioyees column macule after the Update method a executed?	
Win an exception be thrown if the value for numberolemployees is null?	1

Answer:

Explanation:

Answer Area

Statement	Yas	No
Docs the Retrieve method use the correct parameters?	♦	
Win a plug*in triggered on the update of the numberofpmployees column macule after the Update method * executed?		•
WB an exception be thrown it the value for rurmbrf cfemployres is null?		•

Question: 260

DRAG DROP

A company is configuring Microsoft Power Virtual Agents and Power Automate flows that use model- driven apps. The company has a website that uses Power Pages. You create Power Virtual Agents bot topics. You must configure the following:

- Use a bot on the website.
- Create Bot Framework skills.
- Create a support request from the bot without human interaction.

You need to configure the website.

Which applications should you configure?

To answer, drag the appropriate applications to the correct requirements. Each application may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

Power Virtual Agents

Power Pages

Power Automate

Power App

Applications

Answer Area

R<^ilrem«nt	Application
Use a bet on the rebate	
Create Hot Framework sMK	

Create M4>pan requeu Mom t>* bet

Answer:

Explanation:

Application*
'.,.-..._..„.
Power Paort
IJ
Power Autc»TM<e |
»^neef Apo

Am we* Are*

Requirement	Application
UM A bot on webute	Power P»n«
CrwwVMFonwwo^Mt-	PowrrApp
Creefe wppod requrwt Irom 0 te bot L?^^BL^5?^!!ES?LJ	

Question: 261

You are configuring a Microsoft Power Virtual Agents chatbot to use the authenticate option for Microsoft Teams only.

You need to select the variables that will return information about the logged in user.

Which two variables should you use?

Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

A. AuthToken
B. UserDisplayName
C. UserID
D. IsLoggedIn

Answer: A, D

Explanation:

Question: 262

You develop and deploy a Power Apps solution.

The following changes must be made to the solution:

- Delete a column of data.
- Modify several views.
- Add several charts to dashboards.

You need to re-deploy the app. What should you do?

A. Update the solution.
B. Upgrade the solution.
C. Create a new solution.
D. Patch the solution.

Answer: A

Explanation:

Question: 263

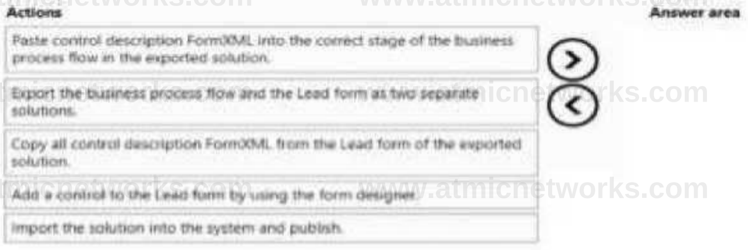
DRAG DROP

You are creating a model-driven app for users to submit and manage budgets for projects.

You must create a business process flow to ensure any lead with a budget over $10,000 requires approval by a manager. You must add a custom control that allows users to select the estimated budget cost for a project.

You need to add the control to the business process flow.

in which order should you perform the actions? To answer, move all actions from the list of actions to the answer area and arrange them in the correct order.



Paste control description FormXML into the correct stage of the business process flow in the exported solution.

Export the business process flow and the Lead form as two separate solutions.

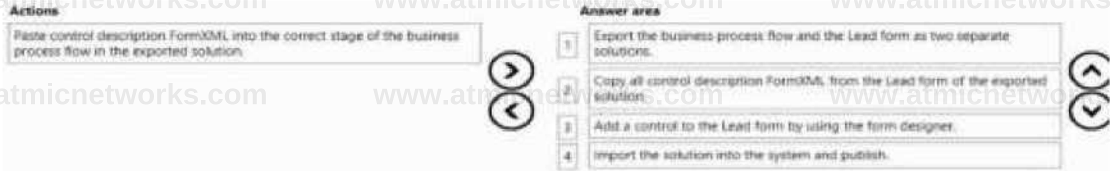
Copy all control description FormXML from the Lead form of the exported solution.

Add a control to the Lead form by using the form designer.

Import the solution into the system and publish.

Answer:

Explanation:



Paste control description FormXML into the correct stage of the business process flow in the exported solution.

1 Export the business process flow and the Lead form as two separate solutions.

2 Copy all control description FormXML from the Lead form of the exported solution.

3 Add a control to the Lead form by using the form designer.

4 Import the solution into the system and publish.

Question: 264

You are developing a Power Apps app to manage records in the Account table in Microsoft Dataverse.

You must configure a Web API request to retrieve changes from the table. You need to configure the preference header for the API request. What should you include in the request header?

A. odata.nextLink
B. odata-context
C. odata.deltaLink
D. odata.track-changes

Answer: C

Explanation:

Question: 265

You are troubleshooting a new canvas app.

Users report the app loads slowly. You use the Monitor tool to view various events being performed in the app. Events performed in the app do not have formula details.

You need to enable formulas to be included with the Monitor tool events.

What should you do?

A. Turn on the Debug published app setting in the canvas app.
B. After each event, implement the trace function within the canvas app.
C. Add the Microsoft Azure Application Insights data source to the canvas app.
D. Validate the Application Insights instrumentation key has been populated in the app object's properties within the canvas app.

Answer: A

Explanation:

Question: 266

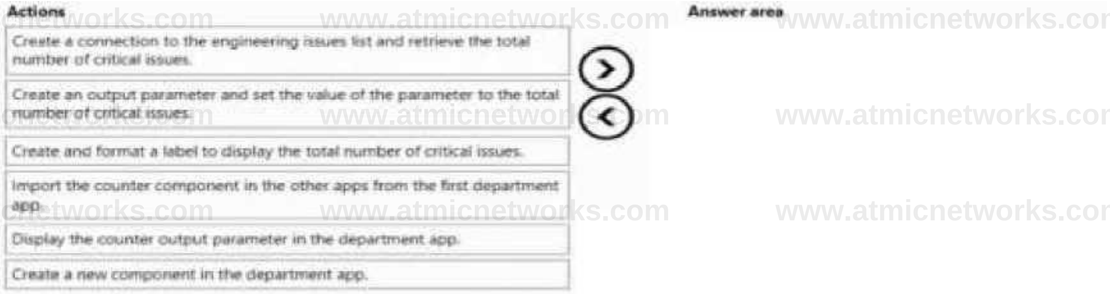
DRAG DROP

The engineering team in a company uses a SharePoint list to manage critical technical issues that are raised by clients. Other departments do not have access to this list. Departments use their own apps for their own processes.

All departments must be able to see the total number of client issues at any point in time.

You need to design a component that can be used in all the departmental apps to display the total number of client issues in bold colors.

Which four actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.



Actions

- Create a connection to the engineering issues list and retrieve the total number of critical issues.
- Create an output parameter and set the value of the parameter to the total number of critical issues.
- Create and format a label to display the total number of critical issues.
- Import the counter component in the other apps from the first department app.
- Display the counter output parameter in the department app.
- Create a new component in the department app.

Answer area

Answer:

Explanation:

To design a component that can be used in all the departmental apps to display the total number of client issues in bold colors, you should perform the following four actions in sequence:

Create a connection to the engineering issues list and retrieve the total number of critical issues.

Create an output parameter and set the value of the parameter to the total number of critical issues.

Create a new component in the first department app.

Create and format a label to display the total number of critical issues, and display the counter output parameter in the department app.

Question: 267

You are designing a one-way integration from Microsoft Dataverse to another system.

You must use an Azure Function to update the other system. The integration must send only newly created records to the other system. The solution must support scenarios where a component of the integration is unavailable for more than a few seconds to avoid data loss.

You need to design the integration solution.

Solution: Register a service endpoint in the Dataverse instance that connects to an Azure Service Bus queue.

Register a step at the endpoint which runs asynchronously on the record's Create message and in the post-operation stage.

Configure the Azure Function to process records as they are added to the queue.

Does the solution meet the goal?

A. Yes

B. No

Answer: B

Explanation:

Question: 268

A company uses Common Data Service rollup fields to calculate insurance exposure and risk profiles for customers.

Users report that the system does not update values for the rollup fields when new insurance policies are written.

You need to recalculate the value of the rollup fields immediately after a policy is created.

What should you do?

A. Create new fields on the customer entity for insurance exposure and risk. Write a workflow process that is triggered when a new policy record is created to calculate the sum of values from policy records.

B. Update the Mass Calculate Rollup Field job to trigger when a new policy record is created.

C. Create a business rule that forces the refresh of the rollup field when the customer record is updated.

D. Create new fields on the customer entity for insurance exposure and risk. Write a plug-in that is triggered whenever a new policy record is created

Answer: D

Explanation:

Question: 269

You are implementing business logic for a model-driven app form by using multiple JavaScript web resources. The business logic number of JavaScript files, and the columns that the business logic requires are expected to change frequently. Some form fields will not be visible. Occasionally non-developers will also make changes to the form.

You need to prevent columns referenced by the JavaScript from accidentally being removed from the form based.

What should you do?

A. Add columns in each JavaScript file as a dependency.

B. Set all columns as business required.

C. Hide columns that should not be displayed.

D. Add all columns as non-event dependencies to the form.

Answer: A

Explanation:

Question: 270

DRAG DROP

You are creating a model-driven app for a company Sales team members will use the app to manage leads. The app will interact with the Microsoft Dataverse Leads table. You must configure the app to meet the following requirements:

- If the estimated value for a lead is greater than $10,000 the app must
- Send an email to a manager.

Display a field named Sponsor on the lead form.

- If the estimated value for a lead is greater than $100.000 the app must:
- Send an email to the company s vice president.
- Display the following message as a notification while the lead record is open: High value customer, handle will care.

You need to configure the app. The solution must minimize the use of code.

Which options should you use? To answer, drag the appropriate options to the correct requirements.

Each option may be used once, more than once or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Dp tie ns Ante#* Ama

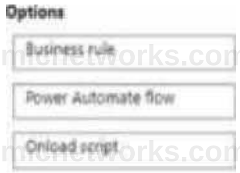
*"**«"* Aeqwitemmt OyUen

I ^ "^^ flMth

Ducay We spow

Answer:

Explanation:



Options

Business rule

Power Automate flow

Onload script

Re^uiremeet

Option

5p*f» Automate 9c

held

Dipiey We ncv*oin

Business rule

Onload script

Question: 271

HOTSPOT

You need to package and deploy a Power Apps code component to an environment.

Which commands should you use? To answer select the appropriate options in the answer area.

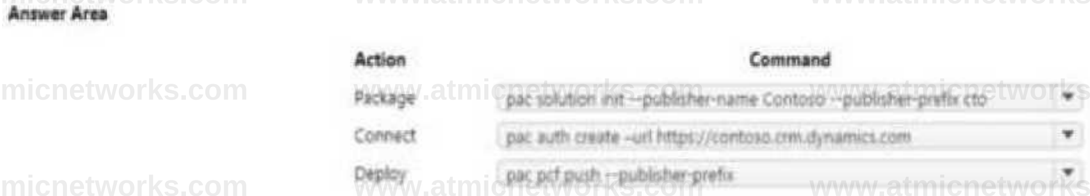
NOTE: Each correct selection is worth one point.

Answer Area

Action	Command
Package	pac solution init --publisher-name Contoso --publisher-prefix cto pac solution init --publisher-name Contoso --publisher-prefix cto pac auth create –url https://contoso.crm.dynamics.com pac pcf push --publisher-prefix pac solution add-reference --path c:\downloads\mysamplecomponent
Connect	pac auth create –url https://contoso.crm.dynamics.com pac solution init --publisher-name Contoso --publisher-prefix cto pac auth create –url https://contoso.crm.dynamics.com pac pcf push --publisher-prefix pac solution add-reference --path c:\downloads\mysamplecomponent
Deploy	pac pcf push --publisher-prefix pac solution init --publisher-name Contoso --publisher-prefix cto pac auth create –url https://contoso.crm.dynamics.com pac pcf push --publisher-prefix pac solution add-reference --path c:\downloads\mysamplecomponent

Answer

Explanation:



Answer Area

Action	Command
Package	pac solution init --publisher-name Contoso --publisher-prefix cto
Connect	pac auth create –url https://contoso.crm.dynamics.com
Deploy	pac pcf push --publisher-prefix

Question: 272

You are developing a model-driven app for a company.

The app must map child records to a parent record.

You need to use the column mapping feature to configure the app.

Which two actions can you perform? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

A. Map the value of columns on both the child table quick-create and main forms to the value for the same columns on the parent table.

B. Map the value of a column on the parent table that uses column values from the child table.

C. Map the value of a Choices column on the child table to the value of a Choices column on the parent table.

D. Map the value of a single line of text column on the child table to the value of a currency column on the parent record.

Answer: A, C

Explanation:

Question: 273

You develop a model-driven app. You add the following users as members to the Sales Microsoft Azure Active Directory (Azure AD) security group: User1, User2 and User3.

The Sales Azure AD security group is linked to a pre-existing Microsoft Dataverse Azure AD security group team that is associated with the Sales security role. You assign each of the appropriate licenses to each user

User1 is not listed in the Team Members subgrid for the app. user2 and User3 are listed in the subgrid.

You need to ensure that User1 can use the model-driven app

What should you do?

A. Change the membership of the Sales Azure AD Security group to Dynamic User

B. Change the membership type for User1 to Owner in the Azure AD security group.

C. Create an Owner team for the members of the Sales Azure AD group.

D. Ask User1 to sign into the model-driven app.

Answer: A

Explanation:

Question: 274

DRAG DROP

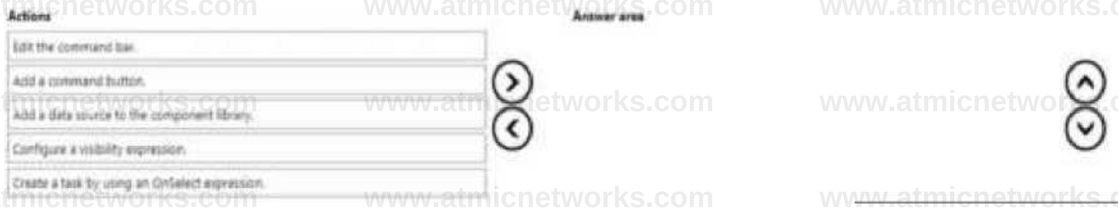
You are designing a model-driven app for a company s support desk team.

You must add a button to the app that creates a reminder task. The button must only display to users if a service case is open for at least seven days.

You need to define the steps to create the button when App Designer is open.

In which order should you perform the actions? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

NOTE: More than one order of answer choices is correct. You will receive credit for any of the correct orders you select.



Actions

- Edit the command bar.
- Add a command button.
- Add a data source to the component library.
- Configure a visibility expression.
- Create a task by using an OnSelect expression.

Answer area

Answer:

Explanation:

Answer area

1. Edit the command bar.
2. Add a command button.
3. Add a data source to the component library.
4. Configure a visibility expression.
5. Create a task by using an OnSelect expression.

Question: 275

DRAG DROP

You are creating a Power Apps connector between Dynamics 365 Sales and Stack
You must generate a Slack notification whenever a new product is added to Dynamics 365 Sales. You must not be required to sign in directly into Dynamics 365 Sales to generate notifications. You created a Power Apps connector between Dynamics 365 Sales in Slack to enable this to happen.
You need to configure the appropriate security for each scenario?
Which security components should you configure?
NOTE: Each correct selection is worth one point.

Components

- OAuth
- Security roles
- API key
- Basic authentication

Requirement	Component
Ensure Dynamics 365 security is in place.	
Capture application usage from public site.	
Configure a website login that does not need encryption.	

Answer:

Explanation:

Components

- OAuth
- Security roles
- API key
- Basic authentication

Requirement	Component
Ensure Dynamics 365 security is in place.	Security roles
Capture application usage from public site.	OAuth
Configure a website login that does not need encryption.	Basic authentication

Question: 276

You create and deploy a Power Platform solution that includes synchronous plug-ins Users report performance issues with the solution.
You need to determine whether a plug-in is the cause of the performance issues. Which two tools can you use? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point-

A. Microsoft Dataverse Analytics
B. Solution checker
C. Tracing
D. iSV Studio
D. Data policies

Answer: B, C

Explanation:

Question: 277

HOTSPOT

You have a plug-in that performs business logic on contact records. The plug-in is registered in the post-operation stage and is executed when a field named custom_field3 is updated.

The plug-in contains the following code:

```
var cols = new ColunnSet("la5Cnane", "custon_Fieldl");
var contact = service.Retrieve(“contact", ctx.PrimaryEntityld, cols);
var updatedValue • contact.GetAttributeValue<string>("lastname");
updatedValue +• contact.GetAttributeValuecstring>(“custon /ieldl");
contact['Cu5ton_field2"] = updatedValue;
service.Update(contact);
```

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Answer Arc*

Statements	Yes No
You can improve code performance by usng the fcecwtng code instead of retrieving individual fields ne. cot—ms«t(trv«)	
You can aww! retneving the Changed entity Dy Wing ptug-in Images.	-
Wu can aww: updating the changed entity by registering the plug-in in the pre-operanicn stage.	

Answer:

Explanation:

Answer Area Statements	Yes	No	
You can improve code performance by using the following cede instead Of retrieving indiwduW fields. ne* CoLwnSet'true)		A	*
You can avoid retneving the changed entity by using plugin images			
You can avoid updating the changed entity by registering the plug-in in the pre operation stage			

Question: 278

You are creating an integration between Microsoft Dataverse and an external system.

Messages from Dataverse must be sent to Microsoft Azure Service Bus. An Azure Function will process the messages. Events must be published directly to the ServiceEndpoint for Azure Service Bus.

You need to create code for the messages.

Which class should you use?

A. IExecutionContext
B. IPluginExecutionContext
C. RemoteExecutionContext
D. WorkflowContext

Answer: C

Explanation:

Question: 279

HOTSPOT

You develop the following code for a console application that performs the data import to Microsoft Dataverse.

```
CraServiceClient service = new CmServiceClient(connectionString);

if (!service.IsReady)
{
          Console.WriteLine(service.LestCroError);
          Console.ReadLine();
          return;
}

ExecutelIultipleRequest          executeMultipleRequest • new Execute! lultipleRequest()
{
                Settings    •    new      ExecuteMultipleSettings()
            {
                   ContinueOnError ■ false,
                   ReturnResponses = true
            ),
            Requests    = new    OrganizationRequestCollection()
};

executeMultipleRequest.Requests.Add(new                 CreateRequestQ
(
          Target ■ new Entity("account")
          {
                   ['name"] - "Contoso",
                            ("accountnumber"] - "ACC-0000001"
            },
                          ("SuppressDuplicateDetection"] • false
});

executeMultipleRequest.Requests.Add(new                 CreateRequest()
{
          Target = new Entity("contact")
          (
```

For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point.

Answer Are†

Statement	Yea	No

† Only add new purchase orders.

You need to implement the app.

Which components should you use? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point

When the connection firing or credentials are invalid, an error message it sent to the application terminal

When a similar account exists, the account will still be created

A contact record will always be created

Answer:

Explanation:

Answer Area

Statement	Yes	No
When Ilse connection suing or credentials are invalid, an error message is sent to the application terminal.	•	O
When a similar account exists, the account wit Mill be created	■	
A contact record will always be created	O	*

Question: 280

A company has a model-driven app that uses Microsoft Dataverse.

"he company requires a web application that retrieves information from the model-driven app. The requirements for the web application include:

- Must be a single-page web application that uses the Web API.
- Must display the correct company information.
- Must authenticate using OAuth without additional verification.

You need to configure the web application. Which two methods should you use? Each correct answer presents a complete solution. NOTE: Each correct selection is worth one point.

A. NTLM authentication
B. multifactor authentication
C. Kerberos Authentication
D. Microsoft Authentication Library (MSAL)
E. Microsoft Azure Active Directory Authentication Libraries (ADAL)

Answer: D, E

Explanation:

Question: 282

You are creating a canvas app that realtors use to identify neighbors for properties that are for sale.

The OnStart property includes the following code:

```
ClearCollect(collectNeighborList, FilterfHeigh&orlist, Status • "Active")); CleerCollect(collectRealtorLIst,Co«ipanyLIst);ClearCollect<:
collectRegions, RegionList)
```

The app is running slower than expected.

You need to resolve the issue.

What should you do?

A)

AfpAc* the eusting code eegrrwr# eitth the folcwing code segment Cwwr«nt (CieerCeXlertfeellevlilelffetertfrte ftlw(wipAervlet« <tetM • *ASTIW*I: cUert»lJ«cn<aHe<teealtertl#t.cwe«|tl«t),cUirc«lle<t(c9Heci««<Unr. ■•fUmtrfi |

B)

Replace all instances of the Clearcollect method with the connect method

C)

Replace lite ewiling code segment wrth The foAowing code segment claAKelUetieoJlBcthrifhbwUit, 'liter (Ji»i4tori4H. wrtu • 'tetiw'ij; taKur/wM |'tIsarCall<*t^«cl}«teM»*ltQrlLat,COHpanpxiit})} tarxurrant fCl*trO114<t{c81lattB«g|ana, Ne|h>nul>t))

A. Option A B. Option B C. Option C

Answer: A

Explanation:

Question: 284

A company develops a new Microsoft Dataverse plug-in that manages the Update message of an entity. The plug-in logic requires access to the record columns before the operation starts and must compare the columns to post-update values.

You need to modify the design of the solution to access the information.

What should you do?

A. Add the code to the plug-in to read the record from the InputParameters collection.

B. Register a pre-image by using the Plug-in Registration Tool. Add the code to the plug-in to read the image from the PreEntityImages collection.

C. Register a post-image by using the Plug-in Registration Tool. Add the code to the plug-in to read the image from the PostEntityImages collection.

D. Add the code to the plug-in to query the data from Dataverse by using the API call based on the record ID.

Answer: C

Explanation:

Question: 285

DRAG DROP

You are creating a plug-in for a Power Apps app for the human resources department at the company. The app will be used to process new employees and help employees apply for an identification card.

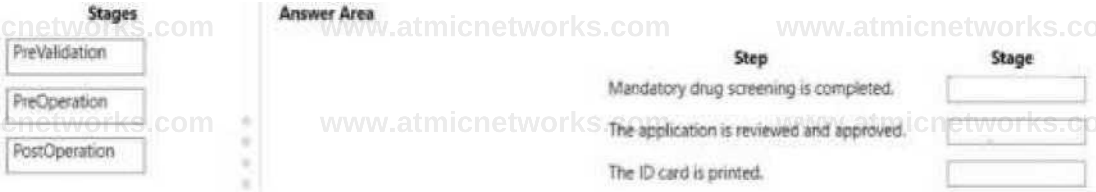
You have the following requirements:

- Applications must not be marked as complete if the employee has not completed mandatory drug screening.
- Add logic that stores the name of the human resources team member that approves an application. This step must be completed before an ID card is created for the applicant.
- Successful validation and ID card printing.

You need to configure the event pipeline. In which stage should you register each step?

To answer, drag the appropriate stages to the correct steps. Each stage may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.



Stages

PreValidation

PreOperation

PostOperation

Answer Area

Step	Stage
Mandatory drug screening is completed.	
The application is reviewed and approved.	
The ID card is printed.	

Answer:

Explanation:

An«w« Area

Step	
Mandatory oruj greening it completed	• replication
The appbauon is reviewed and appiwed.	PreOperatiori
The ©card 15 printed.	RatOpeietion

Question: 287

You are creating a model-driven app. You create JavaScript code to display a message when a record is saved.

You need to configure the associated JavaScript web resource name when adding the event handler to the form. Which field should you use?

A. Event Type
B. Function
C. Component
D. Library

Answer: D

Explanation:

Question: 288

DRAG DROP

You are designing new functionality for an existing model-driven app.
A field must display multiple selections to the user, enabling the user to select a value.
You need to determine which column type can support the required scenarios.
Which column type should you use? To answer, drag the appropriate column types to the correct scenarios. Each column type may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.
NOTE: Each correct selection is worth one point.

Column types **Answer Area**

Gfcbal cfoici

IOOKup Global choice end LOCAL©

Scenario	Column Type
Remote j seston Itym be ng available without modifying e«ntng records.	
Mbs? be completely deployed by utng a sclutKMv	
Seme set at selections can be used an mAbpie tables	

Answer:

Explanation:

Column typo ***MW Area**

Global <ho«

cock*

Global dvce and tookup

Scenario	Column Type
Remove * seietton from beng avaiabir wrthcm malfyirtg LOOKUP emtrg records	
Must be completely deployed by using a solution	Global choice and LooKup
Same set of leiecbcrK can be used on m/tpie tablet	Global dwrce

Question: 289

You are a Power App maker.

You are developing an app in a development environment. You create the following custom forms in the Account entity:

- FormB contains a message that appears in the Onload function of the form.
- FormC contains a message that appears in the OnSave function of the form.

You add the forms to a solution and export the solution as managed. Importing the managed solution into the test environment produces an error indicating the solution is missing a component. You need to identify the issue.

What is the cause of the import error?

A. The solution must be exported as an unmanaged solution.

B. A copy of the form must be made before adding to the solution.

C. The web resources were not added to the solution before exporting.

D. The web resources were not added to the form before adding the form to the solution.

Answer: C

Explanation:

Question: 290

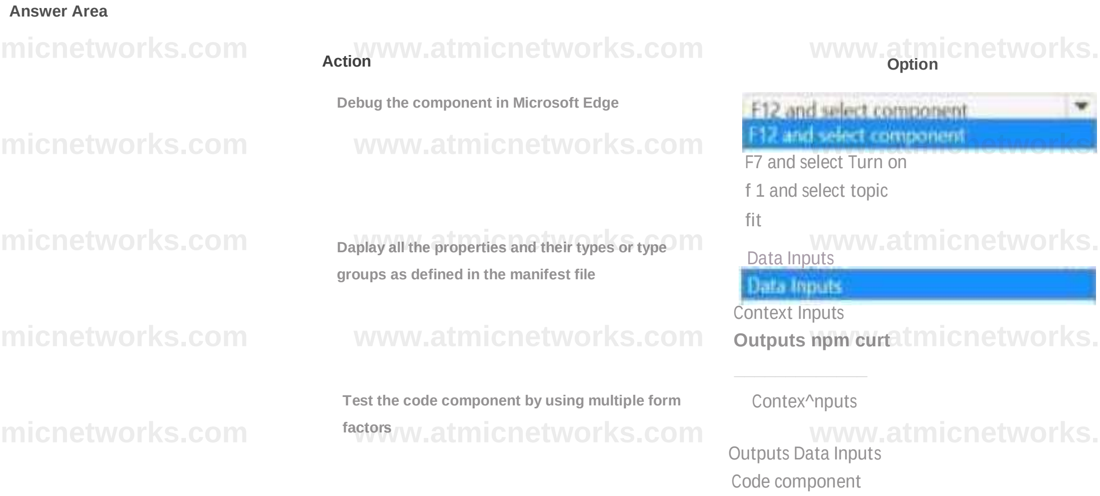
HOTSPOT

You create a Power Apps component framework component.

You need to test the component.

Which option should you use? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

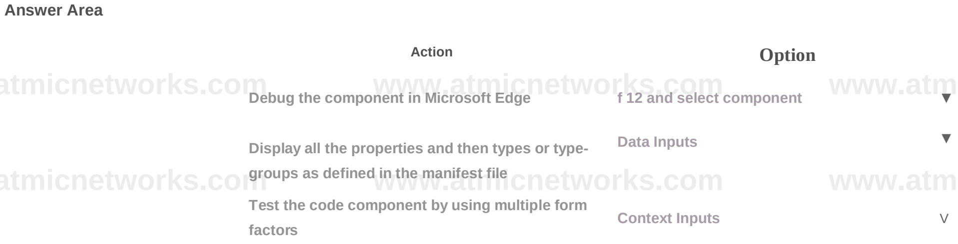


Answer Area

Action	Option
Debug the component in Microsoft Edge	F12 and select component F12 and select component F7 and select Turn on f 1 and select topic fit
Daplay all the properties and their types or type groups as defined in the manifest file	Data Inputs Data Inputs Context Inputs Outputs npm curt
Test the code component by using multiple form factors	Contex^nputs Outputs Data Inputs Code component

Answer:

Explanation:



Answer Area

Action	Option
Debug the component in Microsoft Edge	f 12 and select component ▼
Display all the properties and then types or type-groups as defined in the manifest file	Data Inputs ▼
Test the code component by using multiple form factors	Context Inputs v

Question: 291

DRAG DROP

You are creating a model-driven app.

You are using the Opportunities table to estimate the opportunity. The requirements for the app include:

- An email must be sent to the sales team if the opportunity is over $50,000.
- Users must be able to enter sponsors when creating a record if the opportunity is over one million dollars.

You must minimize the lines of code required.

You need to implement the app.

Which tools should you use?

To answer, drag the appropriate tools to the correct requirements. Each tool may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content. NOTE: Each correct selection is worth one point.


Tools

Power Automate cloud flow

Business rules

Javascript

Power Virtual Agent

Pequirtniem	Tool
Opportunity over $50,000	
Opportunity o«< one irdhon tfolten	

Answer:

Explanation:


Tools

Power Automate cloud flow

Business rules

Javascript

Power Virtual Agent

Answer Area

Requirement	Tool
Oppodunity over S50,000	Waiver Automate croud flow
Opportunity aver one milbon dollar*	But new rule*

Question: 292

You are developing a Power Platform solution. The solution connects to a third-party accounting system by using a Web API through a Power Apps app that automatically exchanges contacts with the sales data.

You have the following code: (Line numbers are included for reference only.)

```
9: GET irttp*;//contaio.tn«,dyi«Bici.co« api MU vP.l.'sccountiTSieLecUnane.accountnunber.telepnonel 0Sup>5 MTT?/l.t
92
03 Csche-Control; no-esc he
64 OOete-Veriion: 4.0
05 Content-Type- application,json
```

You need to ensure that the code only synchronizes data that was not previously synchronized. Which code segment should you insert at line 02?

A. Prefer: odata.track-changes

B. Prefer: odata.allow-entityreferences

C. Prefer: odata.allow-entityreferences

D. Prefer: odata.include-annotations

Answer: A

Explanation:

Question: 293

You are creating a plug-in for an app that helps government employees get a proof of vaccination card. You must add the following information to a vaccination record before a proof of vaccination card is created:

- Vaccination type
- Date of vaccination
- Name of person administering the vaccine

You need to register the plug-in.

In which stage should you register the plug-in?

A. PreOperation

B. MainOperation

C. PreValidation

D. PostOperation

Answer: A

Explanation:

Question: 294

You enable change tracking on the Account table in Microsoft Dataverse. You plan to use the Organization Service to retrieve the delta data by using C#.

You need to determine which message to use. What should you use?

A. UpdateEntityRequest

B. RetrieveEntityChangesRequest

C. odata.track-changes

D. RetrieveAttributeRequest

E. UpdateRequest

Answer: C

Explanation:

Question: 295

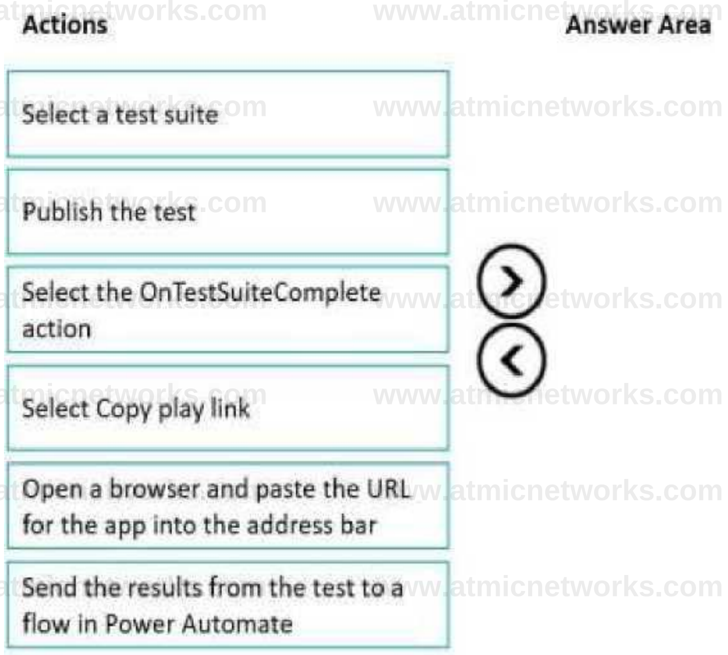
DRAG DROP

You create a new canvas app.

You update a test case and must test the app in a separate browser.

You need to test the app by using Test Studio.

Which four actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.



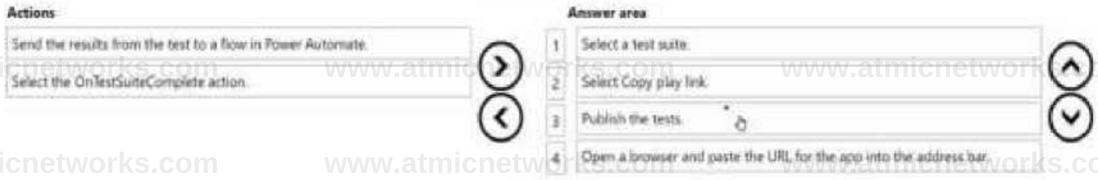
Actions

Answer Area

- Select a test suite
- Publish the test
- Select the OnTestSuiteComplete action
- Select Copy play link
- Open a browser and paste the URL for the app into the address bar
- Send the results from the test to a flow in Power Automate

Answer:

Explanation:



Actions

- Send the results from the test to a flow in Power Automate
- Select the OnTestSuiteComplete action

Answer area

1. Select a test suite.
2. Select Copy play link.
3. Publish the tests.
4. Open a browser and paste the URL for the app into the address bar.

https://learn.microsoft.com/en-us/power-apps/maker/canvas-apps/working-with-test-studio

Question: 296

A company designs a solution that contains a new real-time workflow. The workflow populates a lookup column that has a default value.

A managed solution is imported to the test environment.

An error occurs when a test engineer attempts to create a record. The error message states, "Record is not available."

You need to resolve the error.

What should you do?

A. Add missing lookup table records to the solution.

B. Go to the test environment and manually create missing lookup table records.

C. Use the Configuration Migration Tool to extract the lookup table data from the development environment and import it to the test environment.

Answer: C

Explanation:

Question: 297

You are configuring a custom connector for a web service. The web service is hosted in two different regions. The web service URL includes a common domain name and a unique sub-domain for each

region.
The custom connector must allow the region to be entered for additional regions when creating the connection.

You need to create a policy template.

Which template type should you use?

A. Route request
B. Set query string parameter
C. Set host URL
D. Set HTTP header

Answer: C

Explanation:

Question: 298

Which permissions does a managed identity have on Microsoft Dataverse data?

A. permissions assigned to the corresponding application user
B. permissions assigned to the user triggering the Azure resource
C. permissions equivalent to the environment admin role
D. permissions equivalent to the system administrator role

Answer: A

Explanation:

Question: 299

DRAG DROP

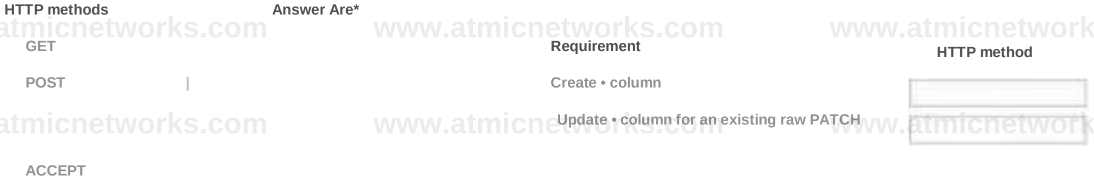
You are creating a Web API.

The API must be able to perform the following actions:

- Create a column in a Microsoft Dataverse table.
- Update a column for an existing row.

Which HTTP methods should you use? To answer, drag the appropriate HTTP method to the correct requirements. Each HTTP method may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.


HTTP methods
GET
POST
ACCEPT

Answer Are*

Requirement	HTTP method
Create • column	
Update • column for an existing raw PATCH	

Answer:

Explanation:


HTTP methods
®T
POST
PATCH
ACCEPT

Answer Are*

Requirement	HTTP method
Create a column	POST
Update a column for an existing row	PATCH

Question: 300

DRAG DROP

A company is developing a Microsoft Dataverse plug-in.

The plug-in must create a follow-up task for a new account

You add the code that receives context(IPluginExecutionContext) and service(IOrganizationService).

You need to create the remaining code to insert the follow-up task.

Which three code blocks should you use in sequence? To answer, move the appropriate code sequences from the list of sequences to the answer area and arrange them in the correct order.

C«4» Block)

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MSovwtaokpautject'l • 'Sand o-wU * the MW rwtMor*;
^ILwmi^aaar'eMwrl^fibjottlA'] a MUwtt *Hntlt>»«f«rvM.a(i;

MFVIC*. &*•!•(*»li4M|ltmM#

Answer:

Explanation:

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fcllMwpTaccC^M^vi^BoA^ctid*] • iccwiti

Mrvlec UKJMa l fjllcwapxiM j;

Kilty KCOwrT • ' Kilty,ioo<vt»«t.KafFUt/laaGaj | •Target*](

Answer Area

1
```
Entity account = (Entity)context.InputParameters["Target"];
```

2
```
Entity followuptask = new Entity("task");
```

3
urvica Craatai *ollM<iaia)^

fallaMuptaabfauDjact] a tana a-cal. ta the naa cuitaa^ ;
ʳoAl«Mnaib['^tardln|oolectir*] • acc«frt TMaxiry<»fer«ncH)j

Question: 301

A company designs data integration with an external system by using virtual tables.

You need to implement the virtual tables.

Solution: Implement an OData v4 provider as the data source.

Does the solution meet the goal?

A. Yes

B. No

Answer: B

Explanation:

Question: 302

A company designs data integration with an external system by using virtual tables.

You need to implement the virtual tables.

Solution: Create a calculated column on the virtual table.

Does the solution meet the goal?

A. Yes

B. No

Answer: B

Explanation:

Question: 303

A company designs data integration with an external system by using virtual tables.

You need to implement the virtual tables.

Solution: Use a table that has a GUID as its primary key.

Does the solution meet the goal?

A. Yes

B. No

Answer: A

Explanation:

If all the entities in external data source have an associated GUID primary key then we can implement the virtual entities for sure. For Reference: https://learn.microsoft.com/en-us/dynamics365/customerengagement/on-premises/developer/virtual-entities/get-started- ve?view=op-9-1

Question: 304

You are creating a canvas app to retrieve user sign in information from Microsoft Entra ID when someone searches for information about an end user.

You create an Azure Function to retrieve the required information by using JSON.

You need to ensure that the application functions correctly.

Which two actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

A. Use Azure Service Bus.

B. Use app designer in the Power Platform admin center.

C. Create a custom connector by using the Azure Function API

D. Create a Power Automate flow to import data.

E. Create an API definition for the Azure Function.

Answer: C, D

Explanation:

Question: 305

HOTSPOT

You develop the following code as part of a plug-in that handles the Create message of the Account table.

```
91 Entity tarftt • CQnt»Kt InputP*fiMtr»n»r|tt') a* Entity; 91

Bl string accountAuabar * target.GstAttributsVslus<itrirgi(“»ccourtr.jnbsr“); 94 95       if (string. IsNullQrCwty(accounttaabar))
a*          (
97                   rat urn-
«           )
M

It          QuaryByattrltiut*                          account»Ou»ry • nt* Qu«ryBy4ttrlbMC»(’account'l
11          (
12                   ColuanSat • naw Co'.umS»t(*«U»l,
U                    ToeCount * 1

u           );
IS          accountsQuary Md*ttrlbvtevalua( "actourtHuabar”,                          accourtKu^ar);

19          accBuntsQuany.AAdAttrilMtavalueCatatacoda'^ 9);

17
```

```
14      Entity[J oistinfAccount* • Mcvica 4atriw«RultiBle<acc«unt>QMry>.Entities.TeArrByf);
if
29      if (ixlstlr-gXicounts.isngtn ■■ 9)
it      1
U                   return;
a       >
24
23      throw                                           мм InvalidhlufinanecutiontaeMiitlamS'Xacera with Account Mjnoir 'S(*ccounttaab«r}' ailitc in tM tystan");
```

For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point.

Answer Area

Statement	Yes	No
The code performs the validation for any value of foe account number		
The code checks only active accounts available in the system		
The code generates an exception that contains information about foe number of existing duplicated records.		

Answer:

Explanation:

Answer Area

Statement	Yes	No
The code performs the validation for any value of foe account number	0	*
The code checks only active accounts available in foe system	O	•
The code generates an exception that contains information about the number of existing duplicated records.	O	*

Question: 306

A company is testing a Microsoft Dataverse plug-in in an environment. The plug-in works in postoperation mode and performs the update of the Account entity.

During testing, a user observes that the plug-in unintentionally triggers a synchronous third-party ISV plug-in.

You need to modify the system design to avoid unwanted triggering of the third-party plug-in.

What should you do?

A. Disable the existing third-party plug-in by using the Plug-in Registration Tool.

B. Use UpdateRequest with the BypassCustomPluginExecution parameter and Execute method of the Organization service.

C. Update the code of the third-party ISV plug-in to ignore updates caused by the new plug-in.

D. Update the code of the new plug-in to use InputParameters of Plugin Execution Context.

Answer: B

Explanation:

Question: 308

HOTSPOT

You are creating an app for a school.

You need to implement client-side logic that uses the Microsoft Dataverse web API to evaluate the class type associated with a class record. The code must hide the School Schedule tab if no value is entered for Class Type.

How should you complete the code? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Answer Area

```
function KendloClesiTypeSettInfi (••ecutionContent) { var ♦omContaat • enecutionContert fetforoContextO;
  var claisType • *oreContoxt.|et*ttriOuta<'contoi«_claistypa'> | eptValue<|

 if (clatlType •••         JU11 ______                                  IMViUbleO
   ♦orucontext .ui         false empty
                           Wing                                        getObjecto
                                                                       get Mamet
                         zero
♦oreContext. ui, tabs. jet ("ScnaolicbeduleTab"). set/b^e^a'iei

                                               setVisibieitruej setDcsabtecilfalsel setDisabledrtnjel
```

Answer:

Explanation:

Answer Area

```
♦unction KandlKlasiTypelettinp (executionconteut) ( var ♦oreCantext ■ executionContext.|etroceContaxt();
  vac clattType ■ foreCa>itut.getMtriwte(*'c4nteM.,ciatftype*). getvaluefi                        ,
  !♦ l clast Type "• null                                   ,
    roreContaxt ul taot.aatCScnoolScfebvlaTaB"). seWtwble\false                     *
```

Question: 309

You are developing a model-driven app using JavaScript.

You need to configure the app to display a dialog box when a form is opened or when a grid on a form is sorted.

What should you use?

A. Grid OnSave

B. Grid OnRecordSelect

C. Grid OnChange

D. Subgrid OnLoad

Answer: D

Explanation:

Question: 310

HOTSPOT

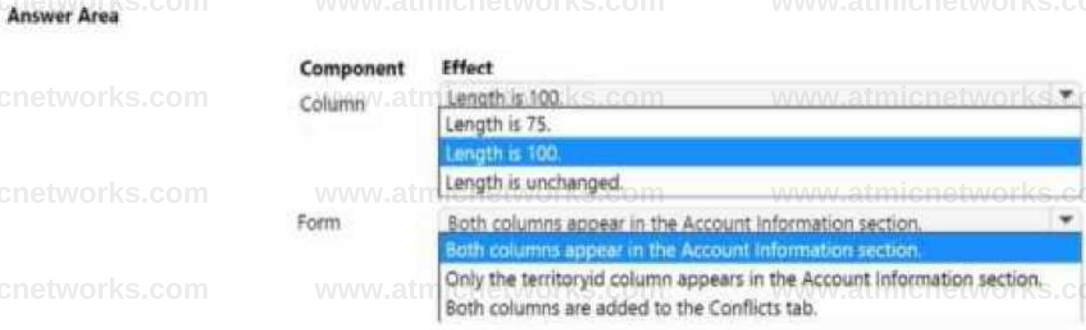
You manage two Microsoft Power Platform managed solutions.

You must update the solutions and import them into an environment that has no customizations. Solution A

- Changes the length of the name column to 75
- Adds the categoryid column at the top of the Account Information section of the Account form Solution B
- Changes the length of the name column to 100
- Adds the territoryid column at the top of the Account Information section of the Account form Solution A must be imported before Solution B.

You need to determine what state the components are in after importing the solutions.

Which effect does each component exhibit? To answer select the appropriate options in the answer area.



Answer Area

Component	Effect
Column	Length is 100.
Form	Both columns appear in the Account Information section.

Answer:

Explanation:

Answer Area

Component Effect

Column length re 100 Form Both columns appur in the Account Informetan sectan.

Question: 311

DRAG DROP

A company is creating a new system based on Microsoft Dataverse.

You need to select the Dataverse features that meet the company's requirements.

Which features should you select? To answer, drag the appropriate features to the correct requirements. Each feature may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

fwtum **Amwet Arm**

CMOiteUierawMl

Renulr.Hi.nt **Mm**

Aelenintid. Kestner Delete

When a primary record it deleted the associated rrtprentol records mull also be deleted

Merenud

When 4 record n aw^ned to I veer all referencing record' must also be assigned to that user eerenul

When a primary record is deleted the associated record mint not be deleted

Answer:

Explanation:

Feature* Answer Am*

Cascade User Owned

Referential, Restrict Delete

Referential

Parental

Requirement **Feature**

When 4 primary record 6 defied me MwreHd idefMil Referential records mini aho be dneTed

When * roc cud .1 aligned to a user ail rt^ereneng record! Cascade User Cwned muit also be aligned In INK user

When a primary 'rand A deleted me allocated record Referential ResirKt Dee?e mult not be deleted

Question: 312

HOTSPOT

You are developing a canvas app for a healthcare center.
You need to create custom tables for the solution. You have the following requirements:

Requirement	Comment
Store erfoftnaDon about doctors	Score the name teuton, kerne number, and a tel of cemftcMiorts for each doctor that worts al the healthcare center
Store eifoemation about presoipiion medications	Deference prescription <MU from an eMtrnal diutMse

You need to create the tables.
Which table type should you create? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

Table type

Jamaal____

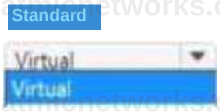
Virtual
Activity

Requirement

Store information about prescription medications.

Store information about doctors.

Answer:



Custom
Standard

Explanation:

Answer Area

Requirement	**Table type**
Store information about doctors.	Standard
Store information about prescription medications.	Virtual

Question: 313

HOTSPOT

A company uses a custom Power Platform app to create and manage programs. The company has a public website that uses TLS 1.0.

The public website is outside of the corporate domain. The website uses POST requests to save data.

You need to automate the transfer of data to the public website.

What should you use? To answer, select the appropriate options in the answer area.

Answer Area

Step	Action
Move program data to the public website.	Create an Azure Function app Create an asynchronous webhook Create a Power Automate instant cloud flow Create a plug-in that uses a secure connection
Package the program details.	Use the Power Automate HTTP request trigger. Configure a shared access signature for the Azure Function. Register a pre-image for the program create message step in the Plug-in Registration tool. Register a step for the program create message step by using the Plug-in Registration tool.

Answer:

Explanation:

Create a plug-in

Register a step

Question: 314

You develop a model-driven app to include a form containing several columns. Two groups of users, named Group1 and Group2, will access the form.

A column contains sensitive data that should not be read by Group2. Groupl must be able to access the column.

You need to prevent Group2 users from viewing the sensitive data.

What should you do?

A. Create a field-level security profile for Group! users to grant the users access to the column.

B. Create multiple forms. Assign a form containing the sensitive data to Group1. Assign a form that does not contain the sensitive data to Group2.

C. Create a security role for users in Group! to grant users access to the column.

D. Use JavaScript to set visibility of the column based on the group of the current user.

Answer: A

Explanation:

Question: 315

A company has a model-driven app form. Many users use the form.

Users state that the form takes too long to fully load.

You need to evaluate the form design to improve loading performance.

Which three control types can you use? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

A. timeline

B. quick view form

C. iFrame

D. lookup

E. subgrid

Answer: B, C, D

Explanation:

Question: 316

DRAG DROP

You are modifying a model-driven app for a bicycle company. The app modifications must meet the following requirements:

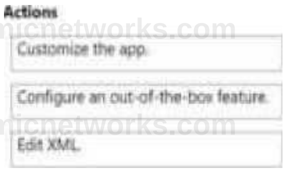
- The order form must include a column that calculates payments based on how many years the customer wants to finance a bicycle.
- A pop-up box must remind the employee to validate the information entered before saving.

You must use out-of-the-box features before customizing the application.

What should you do?

To answer, drag the appropriate actions to the correct requirements. Each action may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct answer is worth one point.



Actions

Customize the app.

Configure an out-of-the-box feature.

Edit XML.

Antwar Aтм

Action

Calculate payment*.

A pop-Up box mull appear

Answer:

Explanation:

Actions

Customize the app.

Configure an out-of-the-box feature.

Edit XML.

Antwar Area

Arryuirrmirnt	**Action**
Cakuiete peynwnU	Configure an oui-crf the bo« tenure.
A pop-up bov mutt appear	Eat XML

Question: 317

A company performs an update to an existing column-bound Power Apps Component Framework (PCF) code component.

You test the changes to the code component in the development environment. You then import the component to the production environment as a part of a managed solution. You observe that the changes to the component are not reflected in the production environment.

You need to ensure that the changes are effective in the production environment.

What should you do?

A. Import the PCF code component to the production environment directly from Visual Studio Code by using the pac pcf push instruction.

B. Publish the form that uses the PCF code component in the production environment.

C. Increment the PCF control version property in the manifest.xml file, and then reimport the solution from development to the production environment.

D. Publish the PCF code component in the production environment

Answer: C

Explanation:

Question: 318

DRAG DROP

You have a Microsoft Power Platform solution that includes canvas apps and Power Automate cloud flows. The canvas apps and flows interact with a third-party content management system (CMS). You store the URL for the CMS version (development or production) in an environment variable.

You deploy the solution to a production environment. You observe that the environment variable references the development URL for the CMS. You update the URL value of the variable directly in the production environment.

You need to assess which environment variable value will be used in the following scenarios.

Which versions of the environment variable will the solution use? To answer, drag the appropriate environment variable versions to the correct scenarios. Each environment variable version may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

tnwoimnl variable varvoni

Dc.LImiimr

I P^XJUCPW

Answer Area

Scenario

CMW« app MMM open dwv>^ Iha update

Canvas app sevtora lawhri ite the update

RM* AAWBIP MR witch bate been saved eta the update

fmtronmenf variable Vt^on

Answer:

Explanation:

trwlronment vanable vennna

DewtopiwB

i PtaxxDOd

Answer Area

StMMto

" ' '*1 ' ' " 1 * '■"'■" '

Camas app atsuora launched after the update.

^■ww Auttmaie tows wtoch base been wed ata the Ptoducnon ixxiate

MUMMM HriaM wnlon

-lawlqpwwiii

Pmdumnn

Question: 319

DRAG DROP

You manage two Microsoft Power Platform solutions.

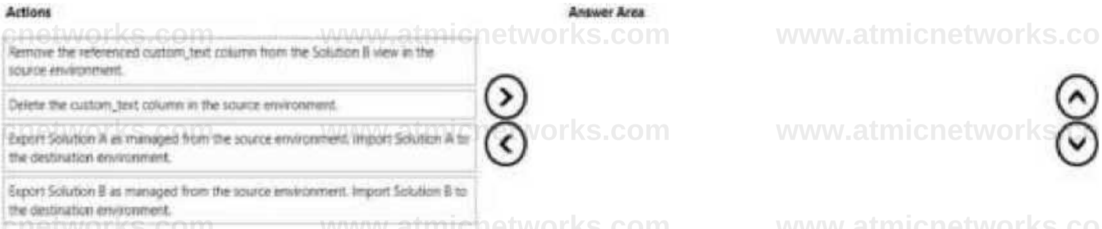
- Solution A contains a custom text column named customjext.
- Solution B contains a view that references the customjext column.

Both solutions in the managed state are installed in the destination environment.

You need to delete the customjext column and apply changes in the destination environment.

In which order should you perform the actions? To answer, move all actions from the list of actions to the answer area and arrange them in the correct order.

NOTE: More than one order of answer choices is correct. You will receive credit for any of the correct orders you select.



Actions

Remove the referenced custom_text column from the Solution B view in the source environment.

Delete the custom_text column in the source environment.

Export Solution A as managed from the source environment. Import Solution A to the destination environment.

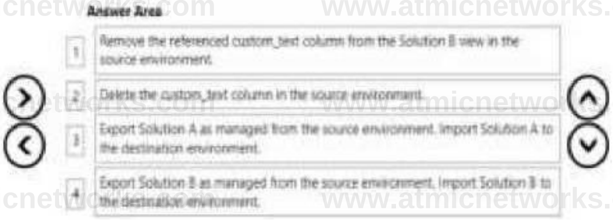
Export Solution B as managed from the source environment. Import Solution B to the destination environment.

Answer Area

Answer:

Explanation:

Action*



Answer Area

1 Remove the referenced custom_text column from the Solution B view in the source environment.

2 Delete the custom_text column in the source environment.

3 Export Solution A as managed from the source environment. Import Solution A to the destination environment.

4 Export Solution B as managed from the source environment. Import Solution B to the destination environment.

Question: 320 HOTSPOT You develop the following code as part of an OnSave event handler in a form.

```
  executioncontext.getEventArgs().preventOefault();
var isOnHold • false;
xrm.webApi.retrieveRecord("account", id, "?$select=creditonhold"),then(
    function (result) {
         isOnHold ■ result("creditonhold"];
    }
  );

  if (isOnHold) {
      xrm.Navigation.openConfirOialog({ text: 'Credit Hold * Save OK?' }).then(
           function (success) {
                if (success.confirmed) {
                     foraContext.data.save();
                }
           ));
  }
```

For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point.

Answer Area

Statement	**Yes**	**No**
The code cancels the norma save operation of the form.		
A confirmation dialog bat is displayed if the creditonhold value ts true.		
The record mil save if the creditonhold value is false.		

Answer:

Explanation:

Answer Area

Statement	**Ye***	**No**
The code cancels the normal save operation of the form.	●	
A confirmation dialog bo* is displayed if the credrtonhold ● value is true		
The record mil save if the creditonhoid value a false		●

Question: 321

A company designs a Microsoft Dataverse Custom API to encapsulate business logic in it

The Custom API business logic must be encapsulated in a way that does not allow the business logic behavior to be modified or canceled.

You need to set the parameter value of the custom API so it cannot be customized.

Which parameter value should you set?

A. Execute Privilege Name to prv. SdkMessageProcessingStep
B. Binding Type to Entity
C. Custom Processing Step to None
D. Enabled for Workflow to No

Answer: C

Explanation:

Question: 322

You create a cloud flow to process a list of records using a loop.

You need to determine when to initialize a variable that is used to process the records.

When should you initialize the variable?

A. after the first use of the variable inside the loop
B. after the loop
C. before the loop
D. before the first use of the variable inside the loop

Answer: C

Explanation:

Question: 323

You are creating a Power Apps app.

The app must retrieve data from an API that requires two-factor authentication.

You need to configure authentication.

Which type of authentication should you implement?

A. Server-to-server
B. Basic
C. AP1 key-based
D. OAuth

Answer: D

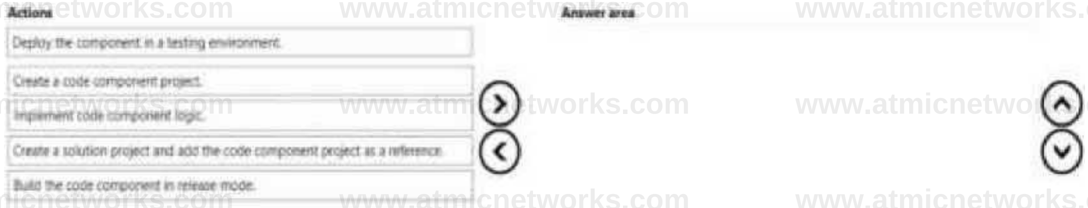
Explanation:

Question: 324

DRAG DROP

You need to develop a Power Apps Component Framework (PCF) component for a company.

You must follow Microsoft's application lifecycle management (ALM) process for code components. Which four actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.



Actions

Deploy the component in a testing environment.

Create a code component project.

Implement code component logic.

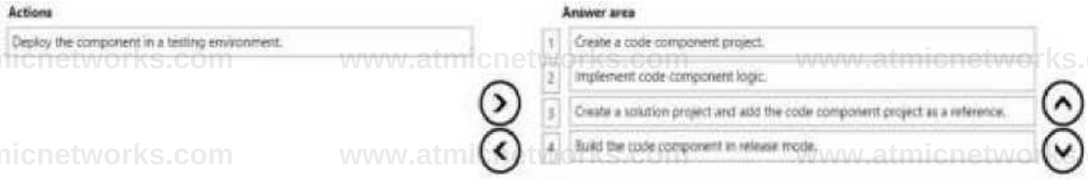
Create a solution project and add the code component project as a reference.

Build the code component in release mode.

Answer area

Answer:

Explanation:



Actions

Deploy the component in a testing environment.

Answer area

1 Create a code component project.

2 Implement code component logic.

3 Create a solution project and add the code component project as a reference.

4 Build the code component in release mode.

Question: 325

DRAG DROP

You are creating a Power Apps Component Framework (PCF) control.

You test the control by using a local test harness.

You need to complete testing.

Which commands should you use? To answer, drag the appropriate commands to the correct functions. Each command may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Commands

start npm start

npm start

npm start watch

npm update

Anicet Area

Function	Command
launch a second npm start Mndcw *h*le tests run in th* Mt wwto«.	
Detect changes in maet-U CcntiotUamAesthputjuni and other tundlec! # ftK dunng trying «#hout hMRQ to mtar the test harness	

Answer:

Explanation:


Commands
start npm start
npm start
npm start watch
npm update

Function	Command
laundi a second npm start window «M> testa tun in the tint start npm atari •moo*	
detect changes m iii>ei.ti ContiolMaivtacnavtxml and npm start watch other tundina Is Has dunng rmino w«tMX« lining to trmr tn« rest harness	

Question: 326

HOTSPOT

You have the following code registered on the OnChange event of the parentcustomerid column on a contact table form. The parentcustomerid field is a lookup which can be an account or a contact record.

Line numbering is provided for information only.

```
01 function UpcUteVeleptenelfeMecMtioqtateKt) (
•2 var foraContext • executionCor.teMt. getfor«iCorte«t(); 03
04 var parent • foreContext.(etAttrlbute('parentcustMerld*).getValue() 05 if (parent[0] !•• null) { 06            Xrm.webApl.online.retrlaveRecord(pareat[0].name,
parent[S].id, *?fselect■telephonel')-then(
07                    function >ucc<Bl{result) {
08                         var telephone! • result["telephone!*J;
09                         foraContext.getAttrlbute^"telephone!").setValuedtelephone11;
1*                    b
11                    function           (error)    {
11                         Xr«.Navigation.opanfrrorClalog({ Message: error .menage • )}
u                    )
14 h »                 )
«          aha (
17              foreContart.getAttribvte("telephone!").setValue(null)j
1»         )
19 }
```

For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point.

Answer Area

Statement	Yet	No
Would the value of the telephone! column on the contact form be null it the parentcustornend column a nUI?		
Would the code return a parentcuttomend record if it Is an account or a contact?		
Would the value of the telephone! column be null if the value of the telephone! column from the parentcustornend record is null?		

Answer:

Explanation:

Answer Are#

Statement Ye* No

Would the value of the telephone 1 column on the contact • form be nut rf the parentcustomenc column IS null?

Would the code return a parentcustomend record rf it is an O ♦ account or a contact?

Would the value Of the telephone 1 column be nUI if the value *

of the telephone? column from the parentcustomend record « null?

Question: 327

HOTSPOT

You create a Power Automate flow that retrieves data from the Microsoft Dataverse Account table.

The flow uses only a subset of Account table data.

You need to retrieve the required data.

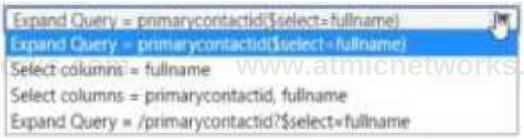
How should you configure the Dataverse List Rows action? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

Dau point **Method**

full name of the primary contact



Expand Query = pnmarycontactid($select=fullname)

Expand Query = pnmarycontactid($select=fullname)

Select columns = fullname

Select columns = primarycontactid, fullname

Expand Query = /primarycontactid?$select=fullname

Account with the Ivyrest credit

Row count • I and Sort By • credrthmtt ax bpaao Query • eiparvl-xcourui Jtop* ISielect«cre<Mt*mit)

Answer:

Explanation:

Answer Area

Data point **Method**

full name of the primary contact Expand Query I pnmarycontachdiJsetect= h.

Account with the highest credit limit Rem court • I and Sort By - erecMltrnit dm

Question: 328

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

A company requires custom validation when users save form records that use a synchronous plug-in. If validation fails, a message that explains how to resolve the issue must be displayed on the form to the user.

You need to implement the custom validation.

Solution: Throw an InvalidPluginExecutionException with the message.

Does the solution meet the goal?

A. Yes
B. No

Answer: B

Explanation:

Question: 329

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

A company requires custom validation when users save form records that use a synchronous plug-in. If validation fails, a message that explains how to resolve the issue must be displayed on the form to the user.

You need to implement the custom validation.

Solution: Include the message in the output parameters of the plug-in.

Does the solution meet the goal?

A. Yes

B. No

Answer: A

Explanation:

Question: 330

HOTSPOT

A manufacturing company takes online orders.

The company requires automatic validation of order changes. Requirements are as follows:

- If validation is successful, the order changes must be submitted.
- If exceptions are encountered, a message must be shown to the customer and the order changes must not be submitted.

You need to set up and deploy a plug-in that encapsulates the rules.

Which options should you use? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Ares

Settings	Options
Erecution Mags	PreValidation Pr
EtKUtxm made	Synchronous Asynchrenws
Image	Pre image Pert mage
Error message	threw nrw IrTraluSMuninENtKutanExceDtKinrVlKir error m^Mar* r< * IracingSerwcetace^'fair error message tOf. ex ToStringOi,

Answer:

Explanation:

Answer Area

Settings	Optlom
Execution stage	PreVekldtion *
Erecution mode	Synchronous *
Image	Pre rouge *
Error menage	throw new liwulKiPluqitiEM·LUtx)n£*tep!MXirYour error inetsaqr' rn *

Question: 331

You create a custom API. You define the API as a function.

The custom API does not appear in the response received from https:/ [yourorg]. api.crm.dynamics.com/api/data/v9.2/$metadata and returns an error when called. You need to identify why the custom API is not working.

What should you do?

A. Add a response property to the custom API.

B. Set the Is Private property of the custom API to False.

C. Add a request property to the custom API.

D. Set the Enabled for Workflow option of the customer API to True.

Answer: C

Explanation:

Question: 332

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You are designing a one-way integration from Microsoft Dataverse to another system.

You must use an Azure Function to update the other system. The integration must send only newly created records to the other system. The solution must support scenarios where a component of the integration is unavailable for more than a few seconds to avoid data loss.

You need to design the integration solution.

Solution: Register a webhook in the Dataverse instance that connects to the Azure Function. Register a step on the webhook which runs synchronously on the record's Create message and in the postoperation stage.

Does the solution meet the goal?

A. Yes

B. No

Answer: B

Explanation:

Question: 333

HOTSPOT

You are developing a Power Platform solution that uses a plug-in. The plug-in includes the following code (line numbers are included for reference).

```
01 public class updateACCOLmt:IPlugin
   {
03 public void Execute(IServiccprovidcr serviceprovider} {
04        var context - (IPluginExecutionContext)serviceProvider,Get5ervice(tyoeof(IPluginExecutionContext));
05        if (context.Stage 1=20)
06 return;
07        var account ■ (Er.tlty)context.InputParafneters["Target"J;
08 if (Iaccount.TryGetAttributeValue(“name", out string _))
09 throw new InvalidPluginExcecustionExceptionf"Account name is missing");
10        account [ "accountnumber”] = GeneraceAccountNuinber();
11        I
12        public string GenerateAccountNumber() {
13
14        return accountNumber;
15        }
16        )
```

The plug-in includes a step that is registered in the execution pipeline within the PreOperation stage for the Create message.

For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point.

Answer Area

Statements	Yes	No
The GenerateAccountNumber method runs if the plug in step registration is changed to the PostOperation stage		
Creating an account in a model-driven app while excluding a name generates the error message Account name is missing".	-	○
The Organization service s Update method must run to update the database after setting the accountnumber value	○	○

Answer:

Explanation:

Answer Area

Statements	Yes	No
The GenerateAccountNumber method runs if the plug in step registration is changed to the PostOperation stage	○	●
Creating an account in a model-driven app while excluding a name generates the error message "Account name is missing*.	●	○
The Organization service's Update method must run to update the database after setting the accountnumber value	○	●

Question: 334

A Microsoft Dataverse database contains two custom tables named TableA and TableB. The tables are configured with the following:

- A one-To-many relationship is configured between TableA and TableB.
- A lookup to TableA appears on a form in TableB.
- Both tables are components of an unmanaged solution.
- Both tables are components in a Power BI report.

You receive an error when attempting to delete TableA. You need to delete the table. What should you do?

A. Remove TableA from the unmanaged solution.
B. Remove the relationship between TableA and TableB.
C. Remove the lookup field to TableA on the TableB form.
D. Remove TableA from the Power BI report.

Answer: B

Explanation:

Question: 335

A company designs a solution for use in an international organization.
The solution must provide multiple UI languages and currencies.
You need to move components to include them as part of the solution.
Which three component types can you move? Each correct answer presents part of the solution.
NOTE: Each correct selection is worth one point.

A. custom entity
B. modified standard security role
C. currencies enabled in the environment
D. scheduled power automate flow
E. available UI languages

Answer: A, C, E

Explanation:

Question: 336

You are creating a Power Apps Component Framework (PCF) component.

You add the following markup to the component manifest. (Line numbers are included for reference only.)

```
81 <h*l rersliw*!.®' etuod jfig» "ut-f-5* >>
82 <WlfesO
83
64 <jrojerty «*= Tertr dap'.Jj'-niw-k^-TerTr descript i-ar - tey="T«xt]- c^-typ^'SingleLine.Terr" usage="9Cind' requir^'t1-!*' />
85      < resources*
86 <CM« path='irder.vs' orwrx'l' />
87 <(resc<r«s>
88      '.feature-usages
89 cuses-feature raM-'wec^PZ* requi^ec^true' />
18 </fNtu?e-jsage>                                                    -
11 </coetrol>
12 k/manifests
```

You need to complete the component manifest.
Which XML markup segment should you insert at line 03?

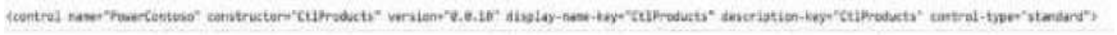
A.

```
rcontrol _value="PowerContoso" constructor="CtlProducts" version="0.0.10" display-name-key="CtlProducts" description-key="CtlProducts" control-type="standard">
```

B.

```
ccontrol nBrespare= P^?r<arTtQ5c" ctr>structar»"CtL^odurts*' Mersion«"#-®.10e di5play-raae-tey**C*l?rcdiCt5" descriptjon-xey^ftlProducts* cortrnl type1'stansarc * >
```

C.



```
<control name="PowerContoso" constructor="CtlProducts" version="0.0.10" display-name-key="CtlProducts" description-key="CtlProducts" control-type="standard">
```

D.

`<contral QisplayKawley* “”owerCentosa' constrsctor^Xtl^rodvcts" version*"#.•.18“ djsp;ay-M«e-key*"'CtlProducts" descriaticn-keya’CtiPTKucts" central type^'stardare's`

E.

```
<control code="PowerCentoso" constructor="CtlProducts" version="0.0.18" display-name-key="CtlProducts" description-key="CtlProducts" control-type="standard">
```

Answer: B

Question: 337

HOTSPOT

You create a model-driven app.

You observe that the following issues occur with The app:

- One custom column displays an unexpected value when a new record is created.
- An error prevents the record from saving.

You need to use the browser to find the root cause of the issues.

Which events should you debug? To answer, select the appropriate options in the answer area.

Events to debug the issues

Issue	Event
Unexpected column value	OnReadvStateComolete **Onload** OnSelstion OnRcadyStatcComplete
Error when saving	**.OnSave, PostSave OnReadyStateComplete** ?l OnSave

Answer:

Explanation:

Events to debug the issues

Issue	Event
Unexpected column value	OnReadyStateComplete 7
Error when saving	**OnSave**

Question: 338

You create a custom page that is used as a contextual dialog in a model-driven app.

The app must be able to receive two contextual parameters by passing a concatenated string. The string must use the pipe (|) symbol with the recordld parameter.

You need to compose the formulas to extract parameter information.

Which two formulas should you compose? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

A.

Left(ParMCr«ordW'i, Find " ", ParMH’recordId*)) - 1)

B.

```
Left(P«rj«/"rtcor٫dId”i, Len(P«ra«Crecordld'J) - Find!” ', Paramfrecordld")))
```

C.

```
Right(P«r«»('recondld*), LenfPBramCrecordld")) - ᶠind(*|", Porawf’recordld")))
```

D.

Right{ParaT(*recordId"), Find(*|”, Par««("reconnd"))   1}

Answer: A, C

Explanation:

Question: 339

HOTSPOT

You are composing a request to the Microsoft Dataverse Web API that updates existing account records in Dataverse and returns resulting records in the response.

You need to complete the request.

Which value should you use for each property? To answer, select the appropriate options in the Value for Property area.

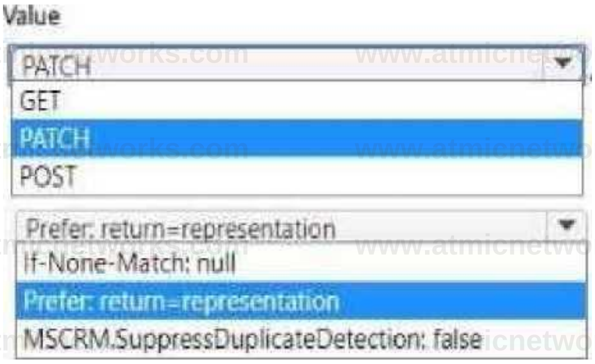
NOTE: Each correct selection is worth one point.

Property values

Property

Method

Header



Value

PATCH

- GET
- PATCH
- POST

Prefer: return=representation

- If-None-Match: null
- Prefer: return=representation
- MSCRM.SuppressDuplicateDetection: false

Answer:

Explanation:

Property values

Property	**Value**
Method	PATCH
Header	Prefer' reium=representation

Question: 340

DRAG DROP

A company is implementing business logic in a model-driven app. Employees import records from Microsoft Excel to create lead records.

The company has the following requirements:

- An existing phone number column must be formatted to only display numbers and periods.
- Three existing columns must be calculated to display the sum based on a percentage.
- The solution must not use custom development when possible.

You need to implement the business logic solution.

Which method should you use? To answer, move the appropriate solutions to the correct requirements. You may use each solution once, more than once, or not at all. You may need to move the split bar between panes or scroll to view content.

Solutions

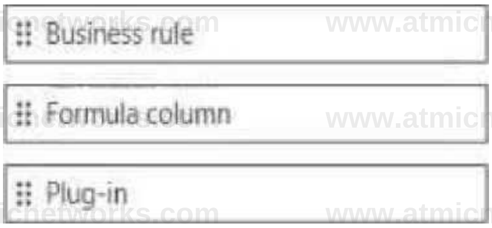
Business logic solutions

Requirement	Solution
Phone number formatting	
Percentage calculation	

Answer:

Explanation:

Solutions



Business logic solutions

Requirement	Solution
Phone number formatting	Business rule
Percentage calculation	Formula column

Question: 341

HOTSPOT

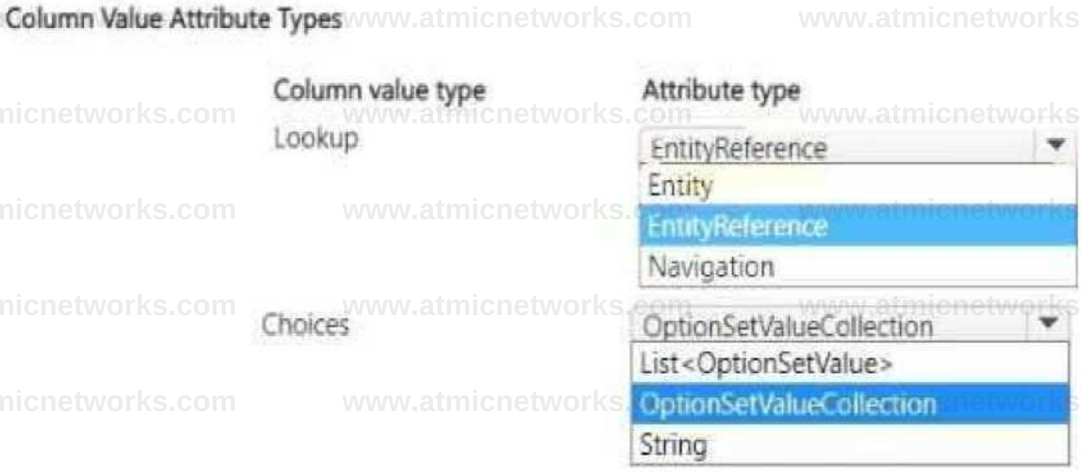
You are creating an application using the Microsoft Dataverse SDK for .NET.

A record must be created by using the column types of lookup and choices.

You need to set the record's column values.

Which attribute type should you use? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.



Column Value Attribute Types

Column value type	Attribute type
Lookup	EntityReference
Choices	OptionSetValueCollection

Answer:

Explanation:

Column Value Attribute Types

Column value type	Attribute type
Lookup	EntityReference
Choices	OptionSetValueCollection

Question: 342

A company requires a plug-in that makes multiple requests to an external web service. The plug-in must not time out when the web service has issues or is slow to respond.

You need to create the plug-in.

What should you do?

A. Register the plug-in step once for each web service request.

B. Register the plug-in to run synchronously.

C. Send requests to use multiple threads.

D. Set the HTTP connection timeout value explicitly to limit how long each connection can remain open.

Answer: D

Explanation:

Question: 343

HOTSPOT

You ate creating a Microsoft Power Automate flow.

The flow must prompt a user for some input and populate a field in an app based on the user's input

You need to add an expression that returns User1 if the input from the user is High. Otherwise, the expression must return User2.

How should you complete the expression? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

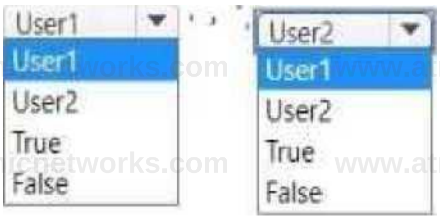
Answer Area

```
it( equals ____________* (outputs^‘Userinput‘)?[ ‘body Type], ‘High¹),‘
```

equals

greaterOr Equals empty

[item ___________



Answer:

Explanation:

Answer Area

```
i*( equals                ’ (outputs^‘Userinput‘)?[¹ body/Typs?], ‘High'),' Userl ^ ' , ' User2
```

Question: 344

Note; This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

A company develops a new custom connector for a Microsoft Entra ID-protected Azure Function that was created as a single tenant a pp.

The custom connector must be moved to a production environment. The connector must be visible and accessible only to users in the tenant.

You need to deploy the custom connector.

Solution: Publish the custom connector to AppSource.

Does the solution meet the goal?

A. Yes

B. No

Answer: B

Explanation:

Question: 345

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

A company develops a new custom connector for a Microsoft Entra ID-protected Azure Function that was created as a single tenant a pp.

The custom connector must be moved to a production environment. The connector must be visible and accessible only to users in the tenant.

You need to deploy the custom connector.

Solution: Use the maker portal to export the custom connector. Then use the maker portal to import the connector into the production environment.

Does the solution meet the goal?

A. Yes

B. No

Answer: B

Explanation:

Question: 346

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

A company develops a new custom connector for a Microsoft Entra ID-protected Azure Function that was created as a single tenant a pp.

The custom connector must be moved to a production environment. The connector must be visible and accessible only to users in the tenant.

You need to deploy the custom connector.

Solution: Use Postman to export the custom connector. Then use Postman to import the connector into the production environment.

Does the solution meet the goal?

A. Yes

C. No

Answer: B

Explanation:

Question: 347

You plan to create a Microsoft Power Apps Component Framework (PCF) code component for a record form in a model-driven app.

The code must be able to read the record's Id column.

You need to configure the manifest.

Which solution should you use?

A. resources

B. property

C. feature-usage

D. type-group

Answer: B

Explanation:

Question: 348

DRAG DROP

You are testing the deployment of a model-driven app. Microsoft Entra ID groups are used exclusively to manage environment- and team-level permissions.

Users encounter several access-related issues that prevent them from testing the app.

You need to select the component to use to resolve each issue by using the principle of least privilege.

What should you assign to resolve each issue? To answer, move the appropriate resolutions to the correct issues. You may use each resolution once, more than once, or not at all. You may need to move the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

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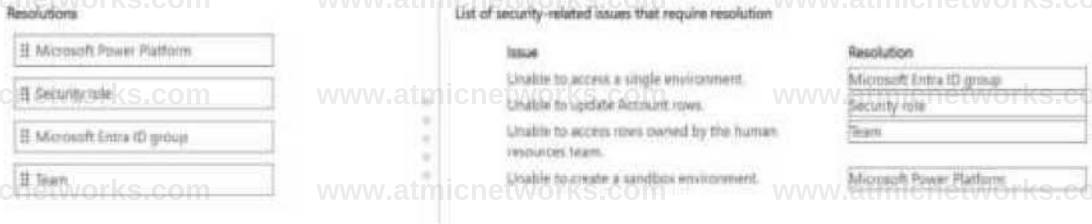
Answer:

Explanation:



Resolutions

- Microsoft Power Platform
- Security role
- Microsoft Entra ID group
- Team

List of security-related issues that require resolution

Issue	Resolution
Unable to access a single environment.	Microsoft Entra ID group
Unable to update Account rows.	Security role
Unable to access rows owned by the human resources team.	Team
Unable to create a sandbox environment.	Microsoft Power Platform

Question: 349

DRAG DROP

A company manages a Microsoft Power Platform solution that includes an account table.

You enable an Auditing flag in the table and import a managed version of the solution to the production environment.

After the import you observe that the Auditing flag is disabled in the production environment.

You check solution layering of the Account table. You observe that the Fust Party solution customization lays on top of the solution.

You need to enable the Auditing setting.

In which order should you perform the actions? To answer, move all actions from the list of actions to the answer area and arrange them in the correct order

Actions

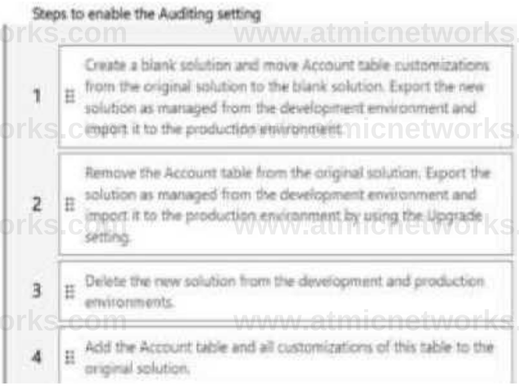
- Create a blank solution and move Account table customizations from the original solution to the blank solution. Export the new solution as managed from the development environment and import it to the production environment.
- Remove the Account table from the original solution. Export the solution as managed from the development environment and import it to the production environment by using the Upgrade setting.
- Delete the new solution from the development and production environments.
- Add the Account table and all customizations of this table to the original solution.
- With the Account table, export the original solution as managed from the development environment and import it to the production environment by using the Upgrade setting.

Steps to enable the Auditing setting

Answer

Explanation:

Actiom



Steps to enable the Auditing setting

1. Create a blank solution and move Account table customizations from the original solution to the blank solution. Export the new solution as managed from the development environment and import it to the production environment.
2. Remove the Account table from the original solution. Export the solution as managed from the development environment and import it to the production environment by using the Upgrade setting.
3. Delete the new solution from the development and production environments.
4. Add the Account table and all customizations of this table to the original solution.

5 W«h the Account tabte. wpo<: if* orgrui Mtabcn м managed H from tf* development environment and import it to the production environment by usng the Upgrade verting

Question: 350

DRAG DROP

You are designing an implementation that has complex data requirements The data storage requirements are as follows:

- Query large amounts of unstructured data in Dataverse.
- Read and update structured data stored outside of Dataverse.

You need to implement data storage to meet the requirements.

Which table types should you use? To answer, move the appropriate table types to the correct data storage requirements. You may use each table type once, more than once, or not at all. You may need to move the split bar between panes or scroll to view content

NOTE: Each correct selection is worth one point.

Table types

- Elastic
- Standard
- Virtual

Data storage requirements

Data storage requirements	Table type
Unstructured data inside Dataverse	
Structured data outside Dataverse	

Answer:

Explanation:

Table types

- Elastic
- Standard
- Virtual

Data storage requirements

Data storage requirements	Table type
Unstructured data inside Dataverse	Virtual
Structured data outside Dataverse	Elastic

Question: 351

DRAG DROP

You are creating a model-driven app that requires complex business logic when a Dataverse record is updated. The app must provide the following functionality:

- Update a record using a REST API and able to manually retry in the event of a failure without additional development.
- Validate the record values and display an error message next to those that are invalid.

You need to configure the app with the required business logic.

Which implementation method should you use? To answer, move the appropriate implementation methods to the correct functionalities. You may use each implementation method once, more than once, or not at all. You may need to move the split bar between panes or scroll to view content. NOTE: Each correct selection is worth one point.

ImptefneftiCjon methods

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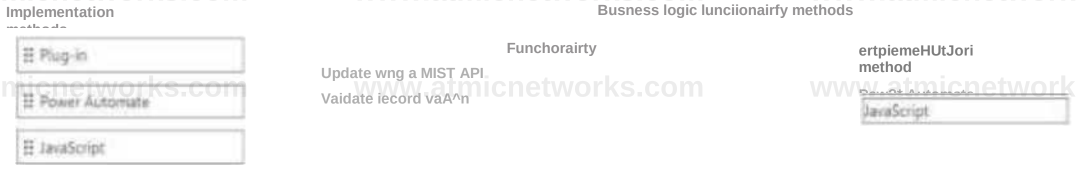
- Plug-in
- Power Automate
- JavaScript

Answer:

Explanation:



Implementation methods

⠿ Plug-in

⠿ Power Automate

⠿ JavaScript

Busness logic lunciionairfy methods

Funchorairty	ertpiemeHUtJori method
Update wng a MIST API.	Power Automate
Vaidate iecord vaA^n	JavaScript

Question: 352

DRAG DROP

A company develops a model-driven app. The company sets up a custom form for the Contact table.

The app contains multiple custom app pages.

You must extend the app as follows:

- Run logic when a contact is saved.
- Display data from an Azure SQL Server database.
- Apply a consistent header across multiple app pages.
- Run a Dataverse custom API when the Contact row is saved.

You need to implement the app extension by using minimal development effort.

What should you implement for each requirement? To answer, move the appropriate capabilities to the correct requirements. You may use each capability once, more than once, or not at all. You may need to move the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Capabilities

⠿ Power Fx

⠿ PCF control

⠿ Client scripting

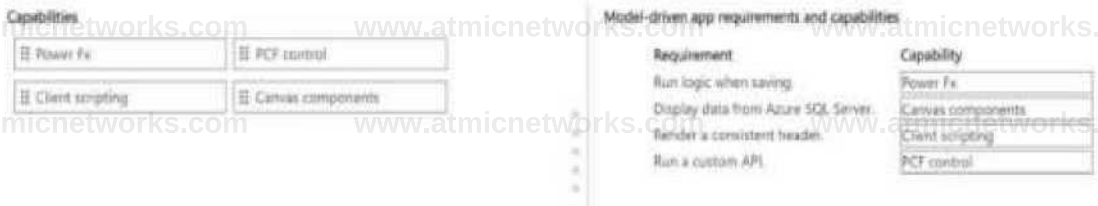
⠿ Canvas components

Model-driven app requirements and capabilities

Requirement	Capability
Run logic when saving.	
Display data from Azure SQL Server.	
Render a consistent header.	
Run a custom API.	

Answer:

Explanation:



Capabilities

⠿ Power Fx

⠿ PCF control

⠿ Client scripting

⠿ Canvas components

Model-driven app requirements and capabilities

Requirement	Capability
Run logic when saving.	Power Fx
Display data from Azure SQL Server.	Canvas components
Render a consistent header.	Client scripting
Run a custom API.	PCF control

Question: 353

DRAG DROP

You are the lead Microsoft Power Platform developer for a company.

Your team of developers are unable to work on the same components at the same time.

The developers have the following requirements:

- A mechanism to automatically push individual changes they make into the existing environments for testing.
- A dedicated environment for all development work.

- The ability to run, but not create, deployments from directly within Microsoft Power Platform.

You need to implement a process to manage the development activities.

Which four actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order NOTE: More than one order of answer choices is correct.

You will receive credit for any of the correct orders you select.

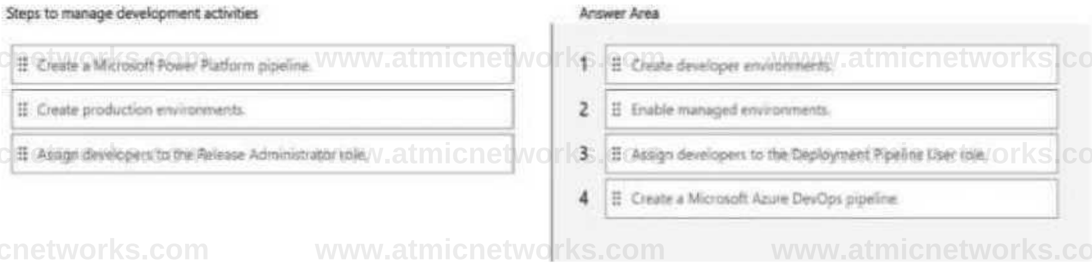
Steps to manage development activities

- Create a Microsoft Power Platform pipeline.
- Create production environments.
- Assign developers to the Release Administrator role.
- Create developer environments.
- Enable managed environments.
- Assign developers to the Deployment Pipeline User role.
- Create a Microsoft Azure DevOps pipeline.

Answer Area

Answer:

Explanation:



Steps to manage development activities

- Create a Microsoft Power Platform pipeline.
- Create production environments.
- Assign developers to the Release Administrator role.

Answer Area

1. Create developer environments.
2. Enable managed environments.
3. Assign developers to the Deployment Pipeline User role.
4. Create a Microsoft Azure DevOps pipeline.

Question: 354

You ate creating a plug-in that connects to a third-party REST API

The API credentials must be secured so they are visible only to system administrators. The API credentials must not interfere with other system functionality You need to store the credentials. Which method should you use?

A. Text environment variable
B. Plug-m unsecure configuration
C. Connection reference
D. Plug-in secure configuration

Answer: D

Explanation:

Question: 355

DRAG DROP

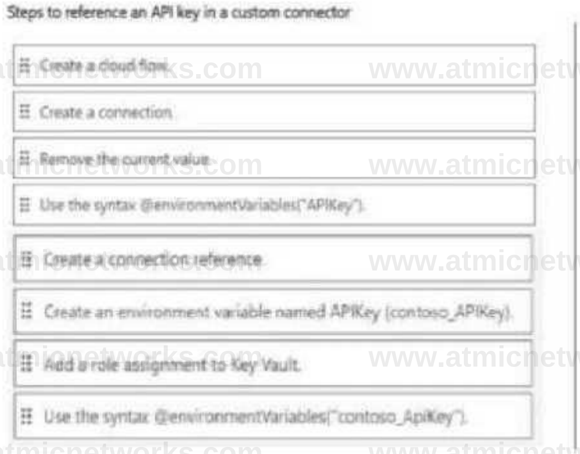
You are designing a custom connector for an internal API used by Contoso, LLC.

Authentication to the API is carried out by using an API key. The API key is stored within Azure Key Vault. Each environment has a separate instance of the API with a different API key.

You need to reference the API key from Key Vault in the custom connector

Which four actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

NOTE: More than one order of answer choices is correct. You will receive credit for any of the correct orders you select



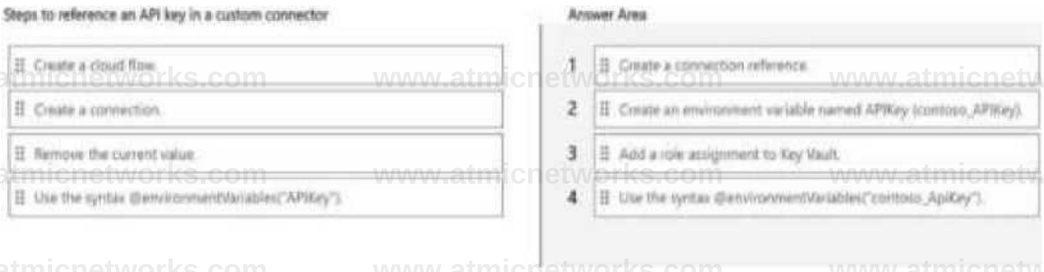
Steps to reference an API key in a custom connector

- Create a cloud flow.
- Create a connection.
- Remove the current value.
- Use the syntax @environmentVariables("APIKey").
- Create a connection reference.
- Create an environment variable named APIKey (contoso_APIKey).
- Add a role assignment to Key Vault.
- Use the syntax @environmentVariables("contoso_ApiKey").

Answer Area

Answer:

Explanation:



Steps to reference an API key in a custom connector

- Create a cloud flow.
- Create a connection.
- Remove the current value.
- Use the syntax @environmentVariables("APIKey").

Answer Area

1. Create a connection reference.
2. Create an environment variable named APIKey (contoso_APIKey).
3. Add a role assignment to Key Vault.
4. Use the syntax @environmentVariables("contoso_ApiKey").

Question: 356

A company develops a new custom connector for a Microsoft Entra ID-protected Azure Function that was created as a single tenant app. The custom connector must be moved to a pioduction environment. The connector must be visible and accessible only to users in the tenant. You need to deploy the custom connector

Solution: Add the custom connector to a managed solution, export the managed solution, and then import the managed solution into the production environment. Does the solution meet the goal? A. Yes

B. No

Answer: B

Explanation:

Question: 357

You need to implement visual hints in the custom connector.
What should you do? Each correct answer presents a complete solution.
NOTE: Each correct selection is worth one point.

A. Extend the Open API definition of the Web API for the EnvironmentName parameter.
B. In the custom connector, update the description for the DataId parameter.
C. In the custom connector, update the name of the policy template.
D. Extend the Open API definition of the Web API for the DataId parameter

Answer: B, D

Explanation:

Question: 358

DRAG DROP

You are creating an input control to format telephone numbers for a canvas app.

The control must be reusable in other canvas apps inside your company. Any updates must be able to be applied without editing the control in each canvas app.

You need to create the control.

Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

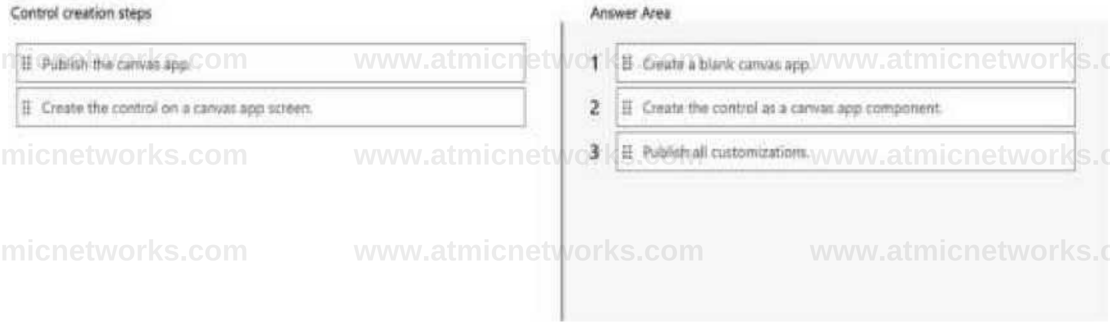
Control creation steps

- Publish the canvas app.
- Create the control on a canvas app screen.
- Create a blank canvas app.
- Create the control as a canvas app component.
- Publish all customizations.

Anw^H

Answer:

Explanation:



Control creation steps

- Publish the canvas app.
- Create the control on a canvas app screen.

Answer Area

1. Create a blank canvas app.
2. Create the control as a canvas app component.
3. Publish all customizations.

Question: 359

DRAG DROP

A company plans to deploy an Azure Function that connects to Dataverse on a defined schedule to bulk-update Account data.

Corporate policy discourages password-based authentication if other viable options exist.

You need to implement the function app.

Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

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8 friable ty«2en aligned managed identity

5 Create the Anar luncboni app

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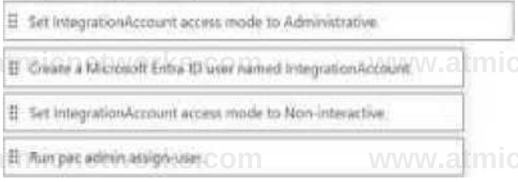
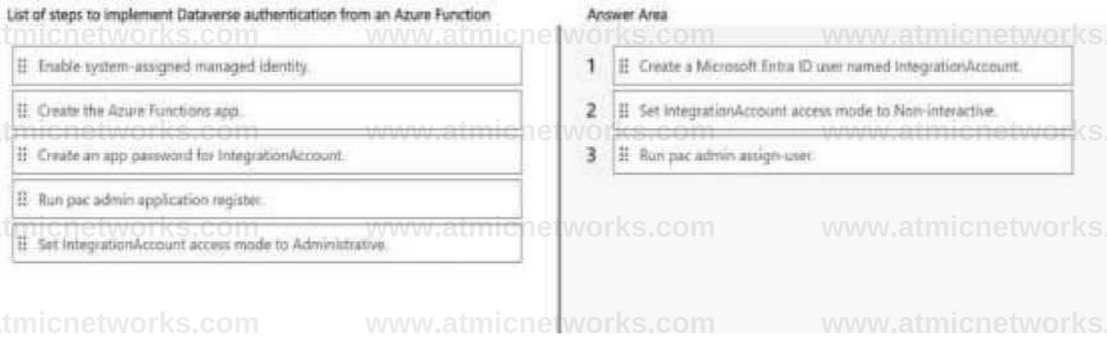
8 Bun pat admin appheabon i agate l



- Set IntegrationAccount access mode to Administrative.
- Create a Microsoft Entra ID user named IntegrationAccount.
- Set IntegrationAccount access mode to Non-interactive.
- Run pac admin assign-user.

Answer:

Explanation:



List of steps to implement Dataverse authentication from an Azure Function

- Enable system-assigned managed identity.
- Create the Azure Functions app.
- Create an app password for IntegrationAccount.
- Run pac admin application register.
- Set IntegrationAccount access mode to Administrative.

Answer Area

1. Create a Microsoft Entra ID user named IntegrationAccount.
2. Set IntegrationAccount access mode to Non-interactive.
3. Run pac admin assign-user.

Question: 360

A company deploys managed customizations by using two solutions, SolutionA and Solutions. The solutions share components with one another.

A developer for SolutionA requires a new development environment. Customizations made in SolutionA must not interfere with customizations made in SolutionB

You need to import solutions to prepare the environment.

What should you do?

A. Import SolutionA as unmanaged and SolutionB as managed.
B. Import SolutionA and SolutionB as unmanaged.
C. Import SolutionA as managed and SolutionB as unmanaged.
D. Import SolutionA and SolutionB as managed.

Answer: A

Explanation:

Question: 361

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

A company requires custom validation when users save form records that use a synchronous plug-in. If validation fails, a message that explains how to resolve the issue must be displayed on the form to the user.

You need to implement the custom validation.

Solution: Use the tracing service to log the message.

Does the solution meet the goal?

A. Yes
B. No

Answer: B

Explanation:

Question: 362

A company employs four Microsoft Power Platform developers. Each developer has an individual development environment. Each development environment is refreshed regularly from source control as a managed layer.

The developers must implement their changes in isolation within these environments. Development work must be merged into a base solution within a shared sandbox environment.

You need to ensure work carried out by each developer is deployed into the main solution in the sandbox environment.

What should you do?

A. Export each developer's solution as managed.

B. Perform all customization* in the shared environment.

C. Copy each development to the shared environment each day.

D. Export each developer's solution as unmanaged.

Answer: D

Question: 363

You are developing a Power Platform app.

The app must implement a two-way listener to an on-premises system by using Microsoft Azure Service Bus.

You create an Azure Service Bus namespace and messaging entity. You must add the shared access policies.

You need to select the permissions for the messaging entity.

Which two permissions should you use? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

A. Send

B. Listen

C. System customizer

D. Manage

E. Read

Answer: A, B

Question: 364

You are creating a FetchXML query.

The query must return data from a table and return filtered data from a related table.

You need to configure the FetchXML query.

Which two elements should you use? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

A. attribute

B. condition
C. link-entity
D. alias

Answer: C

Explanation:

Question: 365

You manage a Microsoft Power Automate cloud flow. The cloud flow queries Microsoft Dataverse data by using the List rows action.

You need to configure the cloud flow to process 10,000 records in a single run.

What should you do? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

A. Create the query by using FetchXML and set the top parameter to 10.000.
B. Turn on pagination and set the threshold to 10,000.
C. Return the first 5,000 records and use the @odata.nextlink in the response to return the remaining records.
D. Set the row count parameter to 10,000.

Answer: B, C

Explanation:

Question: 366

DRAG DROP

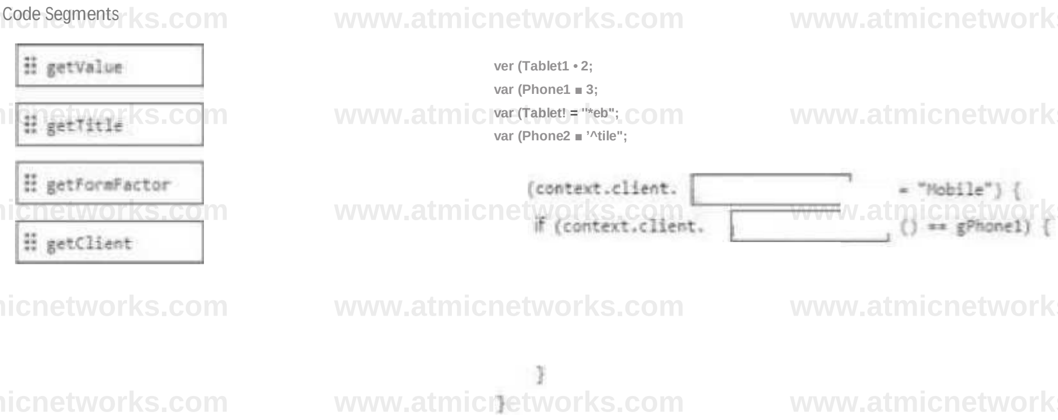
You are developing an inventory tracking component for a warehouse. You plan to use the component with a Power Apps app.

Truck drivers will use tablet devices to confirm their cargo manifest. Warehouse employees will use their phones to pick and fulfill orders. The phone-based version must run in a Power Apps runtime container.

You need to create a single Power Apps component that can be used on both tablet devices and phones.

How should you complete the code segment? To answer, drag the appropriate code segments to the correct locations. Each code segment may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.



Code Segments

- getValue
- getTitle
- getFormFactor
- getClient

```
ver (Tablet1 • 2;
var (Phone1 ■ 3;
var (Tablet! = "*eb";
var (Phone2 ■ '^tile";

(context.client. [          ] = "Mobile") {
 if (context.client. [          ] () == gPhone1) {

 }
}
```

Answer:

Explanation:

Code Segments   AmwfrAr*i

- getValue
- getTitle
- getFormFactor
- getClient

```
var gTablet1 = 2;
var gPhone1 = 3;
var gTablet2 = "Web";
var gPhone2 = "Mobile";
if (context.client. [getClient    ] () == "Mobile") {
   if (context.client. [getFormFactor ] () == gPhone1)
      . . .
   }
   else if... {
```

Question: 367

HOTSPOT

You are creating a canvas app for users to interact with contact data in Microsoft Dataverse.
When users display contact data in the app, the following requirements must be met:

- By default, all contact data must be displayed, unless data is entered into a text input control; if so, then data must be filtered based on the last name of the contact
- A new column must be added when retrieving the data source. The column must combine the Salutation and Full Name columns into a new column named Full Salutation.
- All data must be sorted in alphabetical order based on the surname of the contact. You need to finalize the Microsoft Power Fx formula.

How should you complete the code segment? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Power Fx formula to return contact data

. SortByColumns
Sort
1 SortByColumns
Filter ShowColumns

AddColumns (
I AddColumns
ShowColumns
Filter
Search

Filter (Contacts, TextInputl.Text, 'Last Mame'),
Sort
1 Filter
Search
ShowColumns

'Full Salutation', Concatenate

Concatenate
Concat
Coalesce Select

),

I Last Name' ,
I "firstname" I
| "lastname"
"fullname"

SortOrder.Ascending, "createdon", SortOrder.Descending

Answer:

Explanation:

Power Fı formula 10 return rontaet data

SortByColumns (
AddColumns (
Filter (Contacts, TextInput1.Test, 'Last Name'),
'Full Salutation',
Concatenate
),
'Last Name' ,
SortOrder.Ascending, "createdon", SortOrder.Descending
)

Question: 368

You are testing security in a model-driven app. The business unit structure in the environment consists of a top-level business unit with three business units, named BusA, *BusB, and BusC directly under it.*

BusA users must be able to view records in only their business unit.

You observe that BusA users have security roles from BusB and BusC assigned to them. The BusA users can view records in those business units. All security role privileges are set to the Business Unit level.

You need to correct the problem with record access.

Which two actions should you perform? Each correct answer presents part of the solution. Choose two.

NOTE: Each correct selection is worth one point.

A. Create a security role for BusA users in the parent business unit with privileges set to Business Unit level.

B. Turn off the feature that controls record ownership across business units.

C. Ensure security role privileges are set to User level.

D. Move BusA users to the parent business unit. Assign security roles with Parent Child Business Units privileges.

Answer: B, C

Explanation:

Question: 369

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

A company requires custom validation when users save form records that use a synchronous plug-in. If validation fails, a message that explains how to resolve the issue must be displayed on the form to the user.

You need to implement the custom validation.

Solution: Throw a custom exception with the message.

Does the solution meet the goal?

A. Yes

B. No

Answer: B

Explanation:

1 -4 of 4 (0 selected)! All A B C D E F G HIJ K L M N 0 P Q R S T U V W X Y Z | n< Page 1»

Fabrikam Residences rents units short term to clients.

Fabrikam Property Management deals with the maintenance of the units and manages the contractors who perform the maintenance.

Clients and contractors are both stored in the Contact entity.