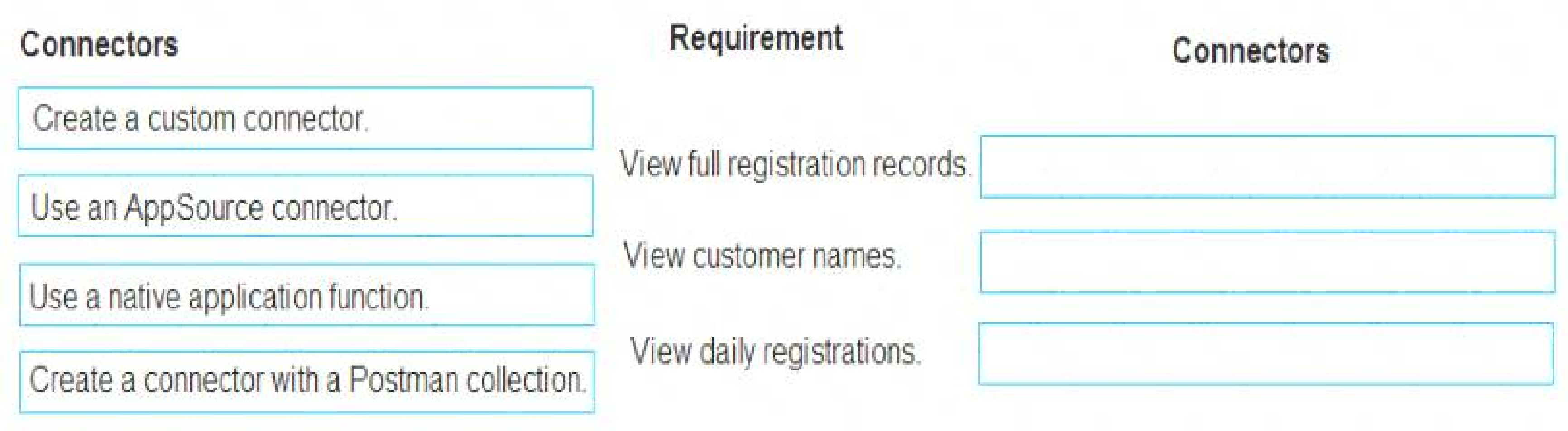
# Microsoft

## Exam Questions PL-400

Microsoft Power Platform Developer

**NEW QUESTION 1**
- (Exam Topic 1)
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.




A. Mastered
B. Not Mastered

**Answer:** A

**Explanation:**
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

**NEW QUESTION 2**
- (Exam Topic 1)
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/a

**NEW QUESTION 3**
- (Exam Topic 2)
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.

**NEW QUESTION 4**
- (Exam Topic 2)
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.

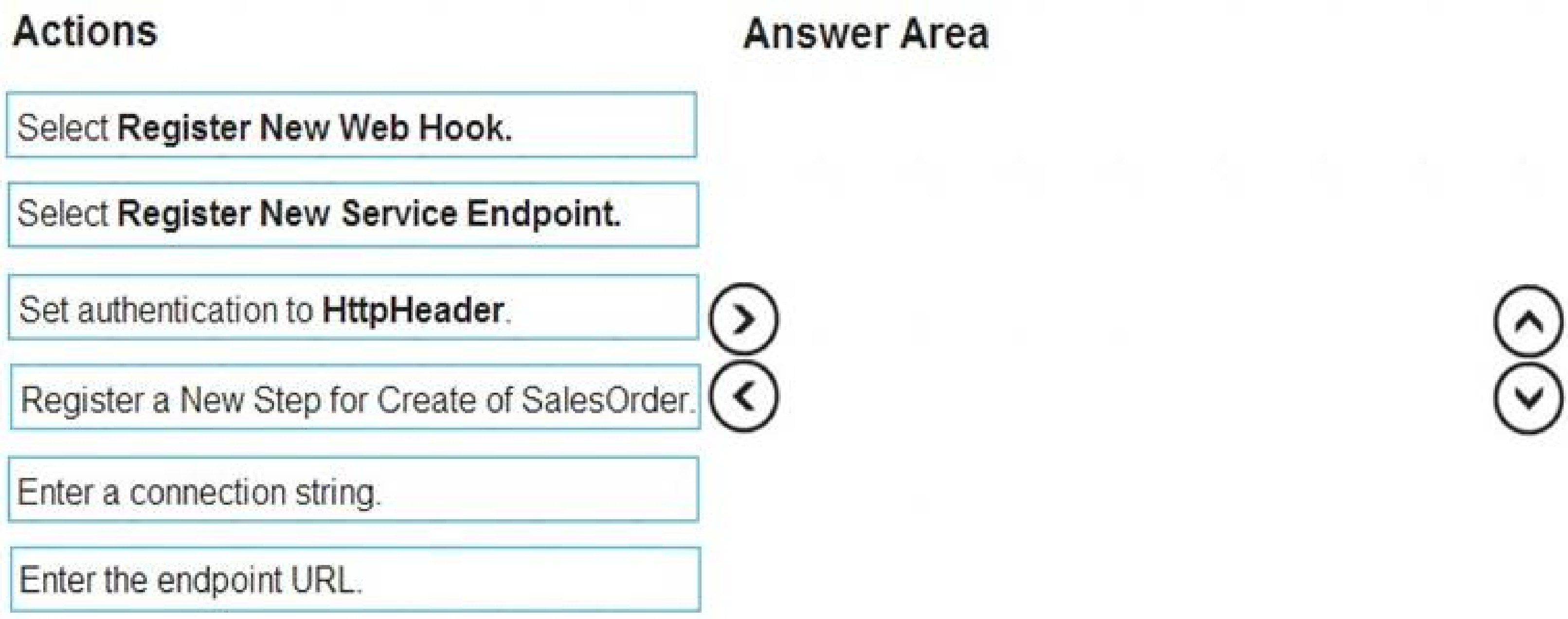
A. a flow that maps inspection data to Dynamics 365 Field Service

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/

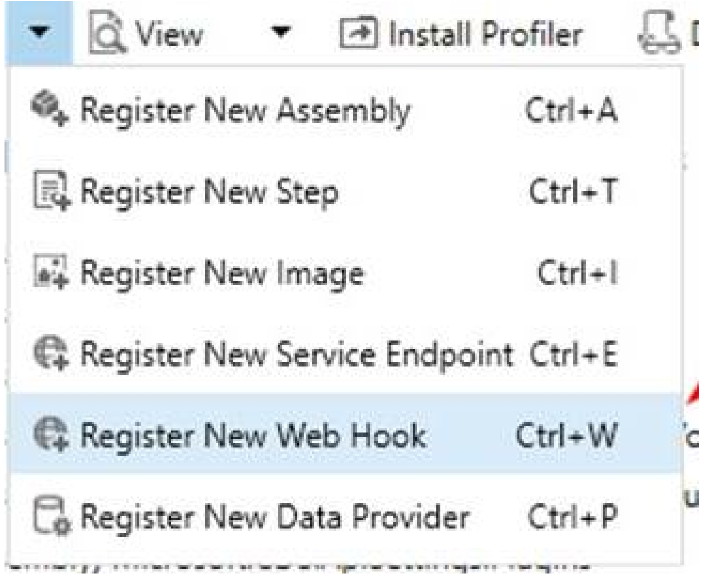
**NEW QUESTION 5**
- (Exam Topic 4)
A company uses Dynamics 365 Sales.
Sales commission must be calculated when an order is placed. You create an Azure Function to perform the calculation. The Azure Function has an HTTP trigger.
You need to configure the Plug-in Registration tool to send data to the 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.



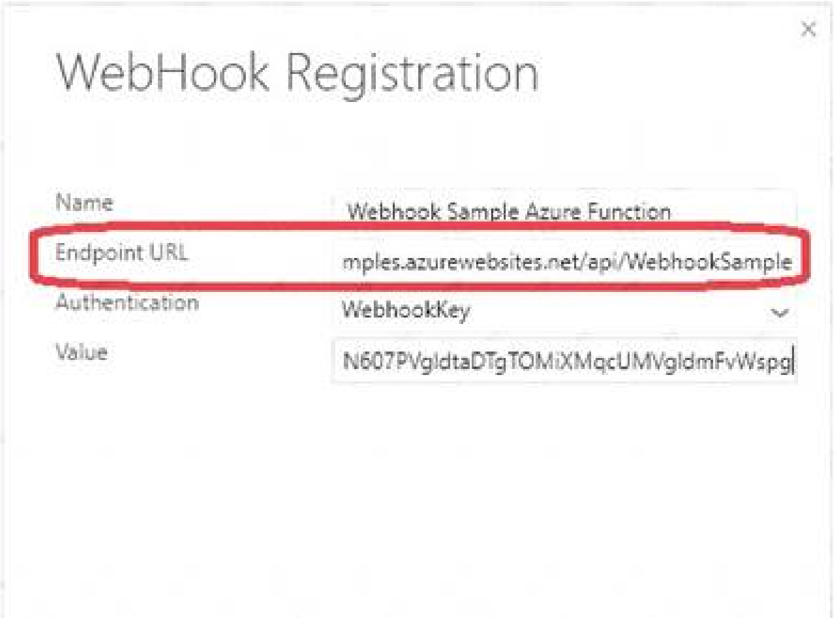

A. Mastered
B. Not Mastered

**Answer:** A

**Explanation:**
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




Step 2: Enter the endpoint URL




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

**NEW QUESTION 6**
- (Exam Topic 4)
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.

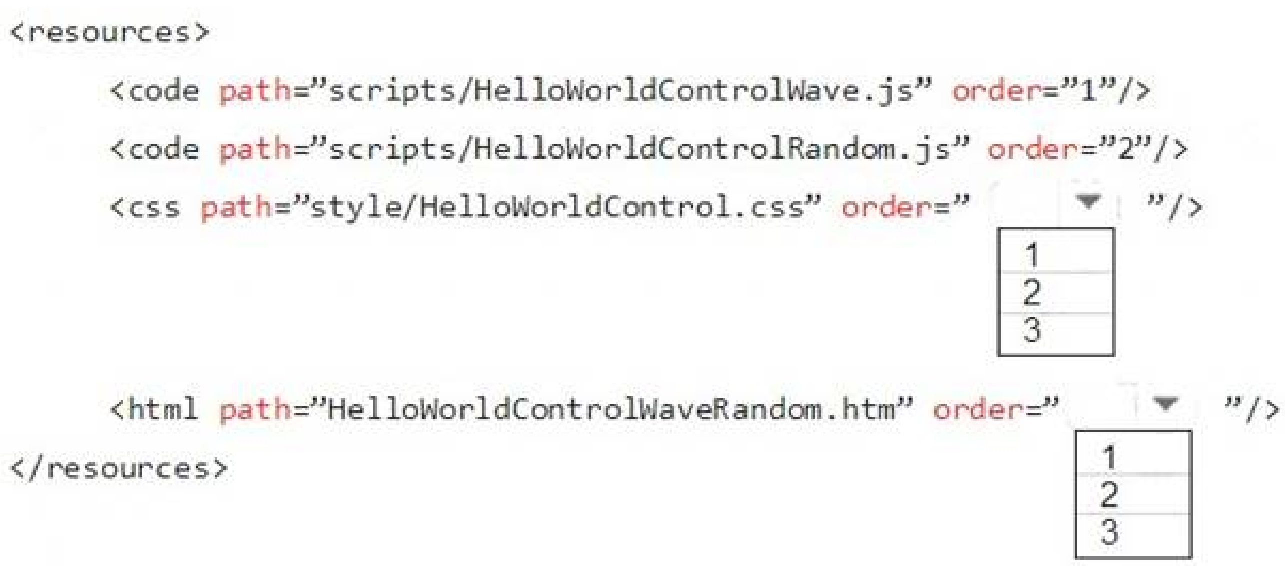
Does the solution meet the goal?

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-depe

**NEW QUESTION 7**
- (Exam Topic 4)
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.




A. Mastered
B. Not Mastered

**Answer:** A

**Explanation:**

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

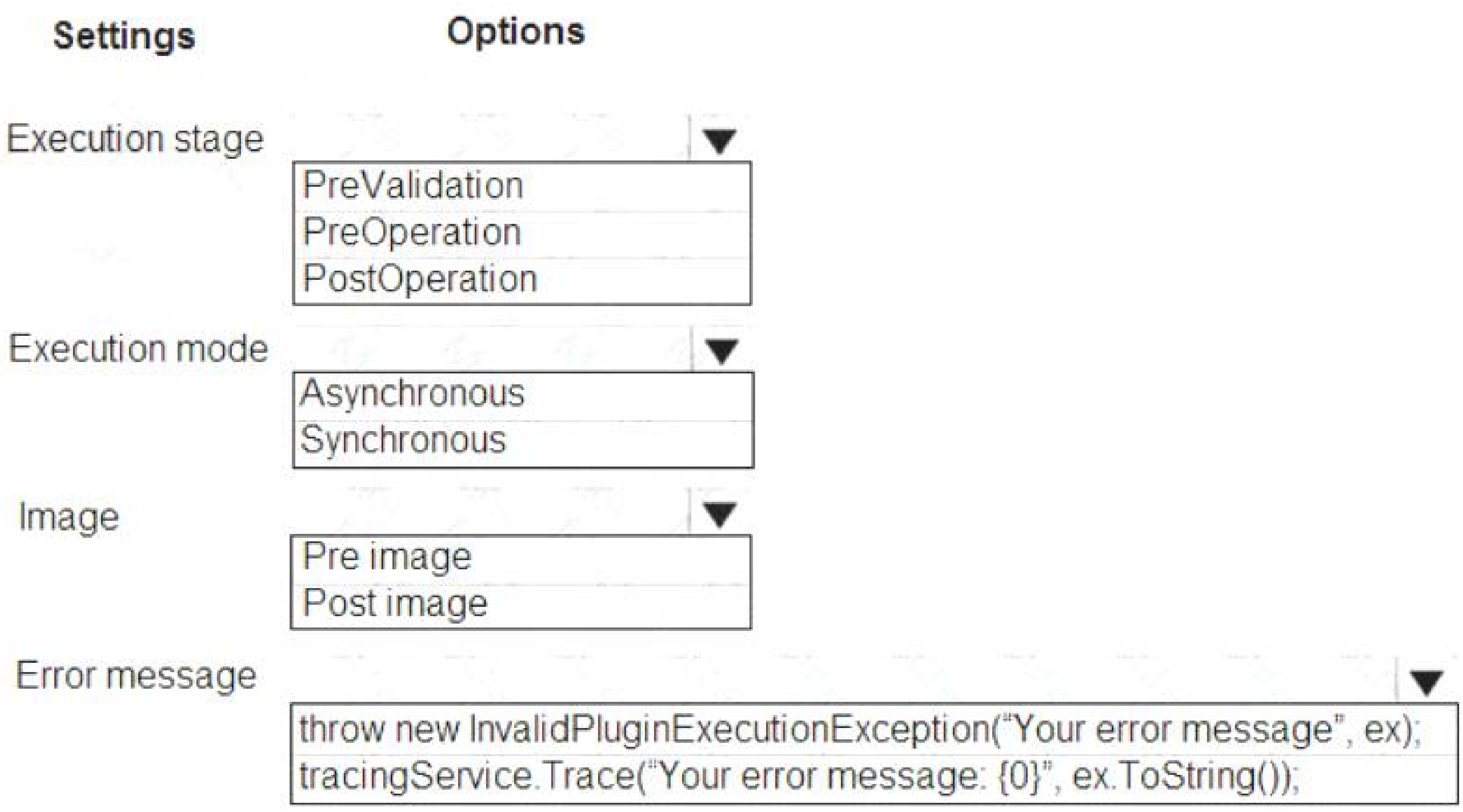
**NEW QUESTION 8**
- (Exam Topic 4)
A company needs to illustrate the relationships of the entities in Dynamics 365 Sales. You need to select the appropriate tool to show this graphic.
Which tool should you select?

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-gener

**NEW QUESTION 9**
- (Exam Topic 4)
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.




A. Mastered
B. Not Mastered

**Answer:** A

**Explanation:**
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

**NEW QUESTION 10**
- (Exam Topic 4)
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<br>Microsoft Flow<br>Azure Event Hub<br>Azure Service Bus |
| Calls to and from a website hosted in Azure with high peak loads | Plug-in<br>Webhook<br>Azure Event Hub<br>Azure Service Bus |
| Outbound calls to multiple on-premises and cloud systems to notify of customer address changes | Plug-in<br>Azure Event Hub<br>Webhook |

A. Mastered
B. Not Mastered

**Answer:** A

**Explanation:**
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

**NEW QUESTION 10**
- (Exam Topic 4)
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/ [default.aspx / edit.aspx / main.aspx] ? [etc / etn] =contact& [appid / id / extraqs / formid] =param_1%3DSharePoint&pagetype= [apps / entityrecord / entitylist]

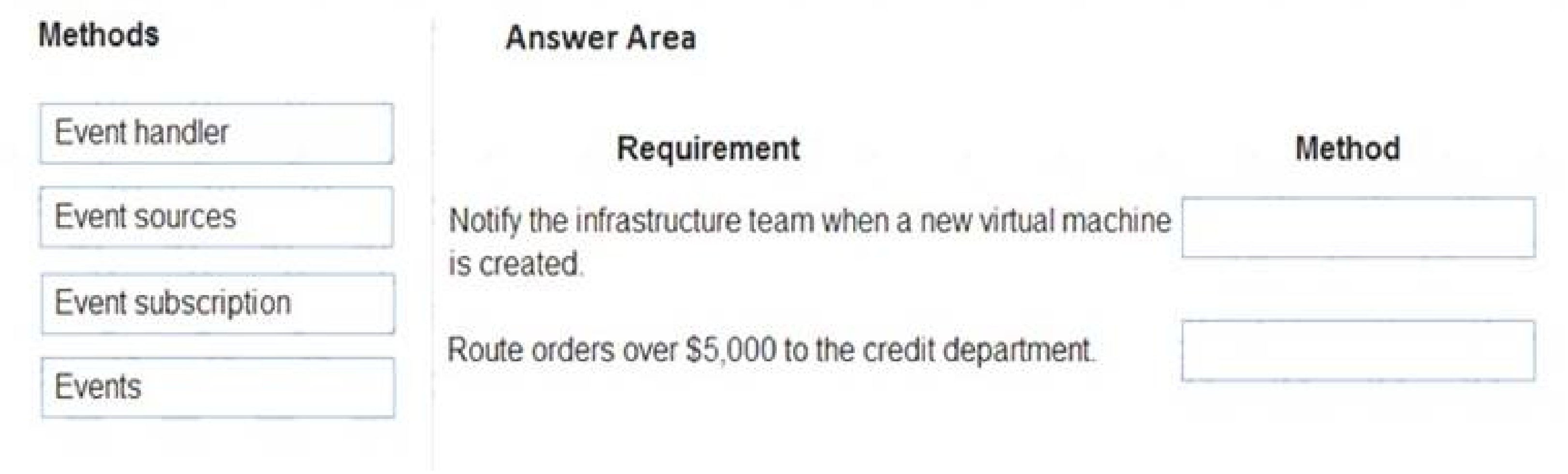
A. Mastered
B. Not Mastered

**Answer:** A

**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={00000000-0000-0000-0 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-pas

**NEW QUESTION 13**
- (Exam Topic 4)
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.




A. Mastered
B. Not Mastered

**Answer:** A

**Explanation:**
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.

**NEW QUESTION 14**
- (Exam Topic 4)
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

**NEW QUESTION 17**
- (Exam Topic 4)
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. | Trigger |
| 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 |

A. Mastered
B. Not Mastered

**Answer:** A

**Explanation:**

**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. | 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 |

**NEW QUESTION 18**
- (Exam Topic 4)
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", "abc123"}
    }
 },
contact["lastname"] = "Doe";
UpsertRequest updcontact = new UpsertRequest ();
{
  Target = contact;
 }
UpsertResponse response = ( UpsertResponse )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. | ○ | ○ |

A. Mastered
B. Not Mastered

**Answer:** A

**Explanation:**
Reference:
https://docs.microsoft.com/en-us/powerapps/developer/common-data-service/use-alternate-key-create-record

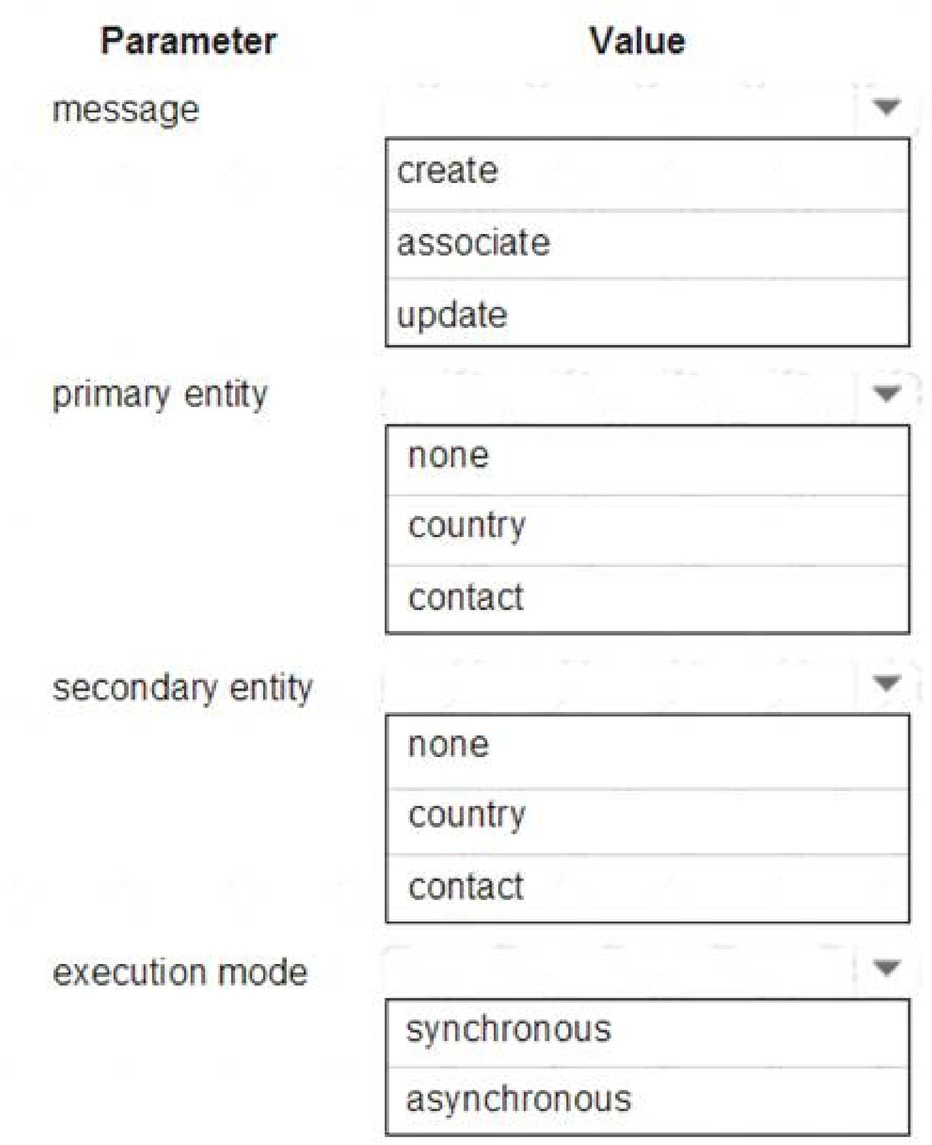
**NEW QUESTION 23**
- (Exam Topic 4)
A company plans to replicate a Dynamics 365 Sales database into an Azure SQL Database instance for reporting purposes. The data Export Service solution has been installed. You need to configure the Data service.
Which three actions should you perform? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

A. Create an Azure SQL Database service in the same tenant as the Dynamics 365 Sales environment.
B. Enable auditing entities that must be replicated to Azure SQL database.
C. Enable change tracking for all entities that must be replicated to Azure SQL Database.
D. Set up server-based integration.
E. Create an export profile that specifies all the entities that must be replicated.

**Answer:** ACE

**Explanation:**
Reference:
https://docs.microsoft.com/en-us/power-platform/admin/replicate-data-microsoft-azure-sql-database

**NEW QUESTION 24**
- (Exam Topic 4)
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.




A. Mastered
B. Not Mastered

**Answer:** A

**Explanation:**
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

**NEW QUESTION 28**
- (Exam Topic 4)
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, offline 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

**NEW QUESTION 29**
- (Exam Topic 4)
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-acces

**NEW QUESTION 31**
- (Exam Topic 4)
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

**NEW QUESTION 35**
- (Exam Topic 4)
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

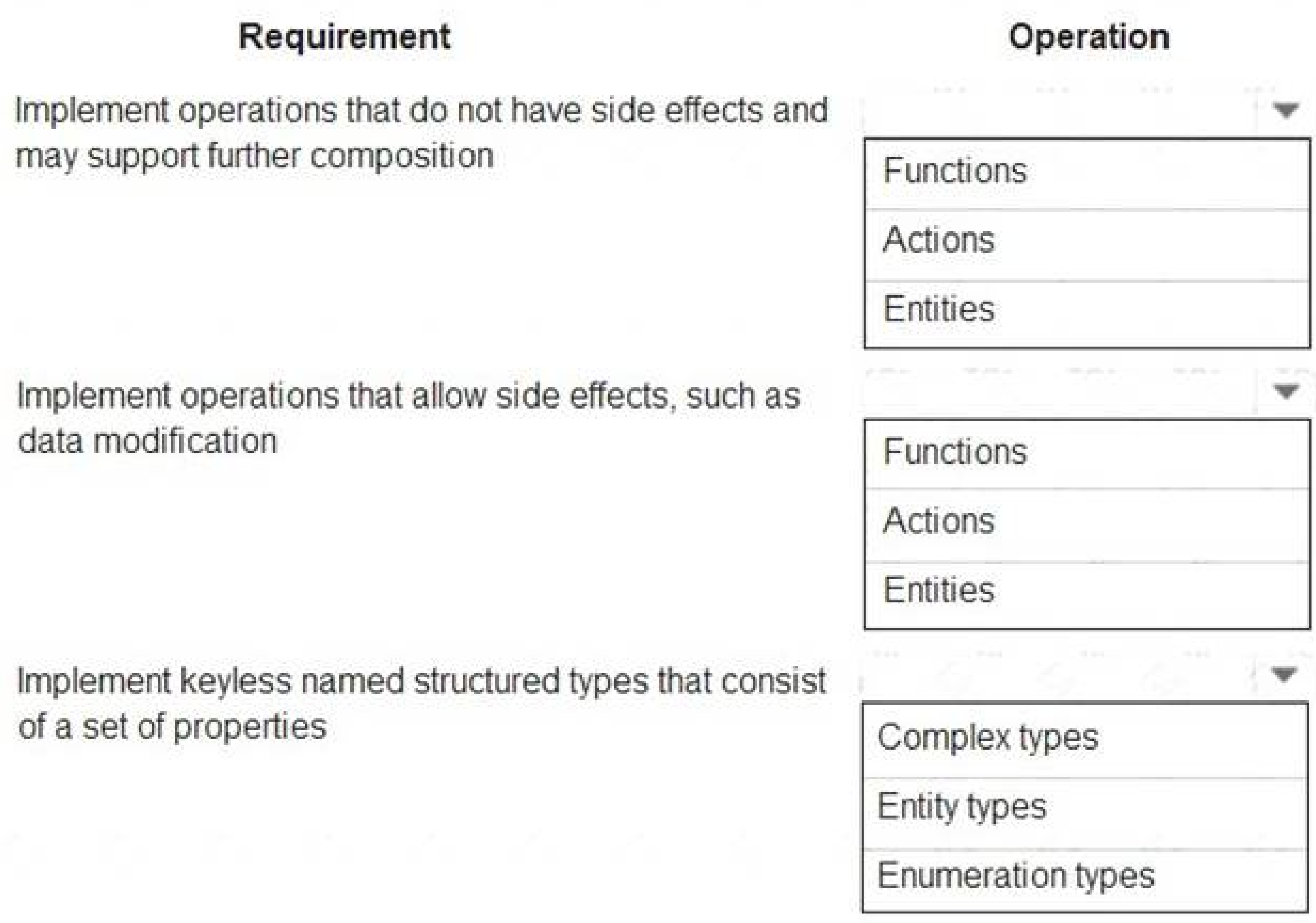
**NEW QUESTION 39**
- (Exam Topic 4)
You are creating a Power Apps app that retrieves customer information from Azure Active Directory when you use the app to look up a customer record.
You create an Azure Function by using JSON code to retrieve the customer information. You need to make the application 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.
D. Create a custom connector that uses the JSON code.
E. 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.
B: 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-topow

**NEW QUESTION 42**
- (Exam Topic 4)
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.

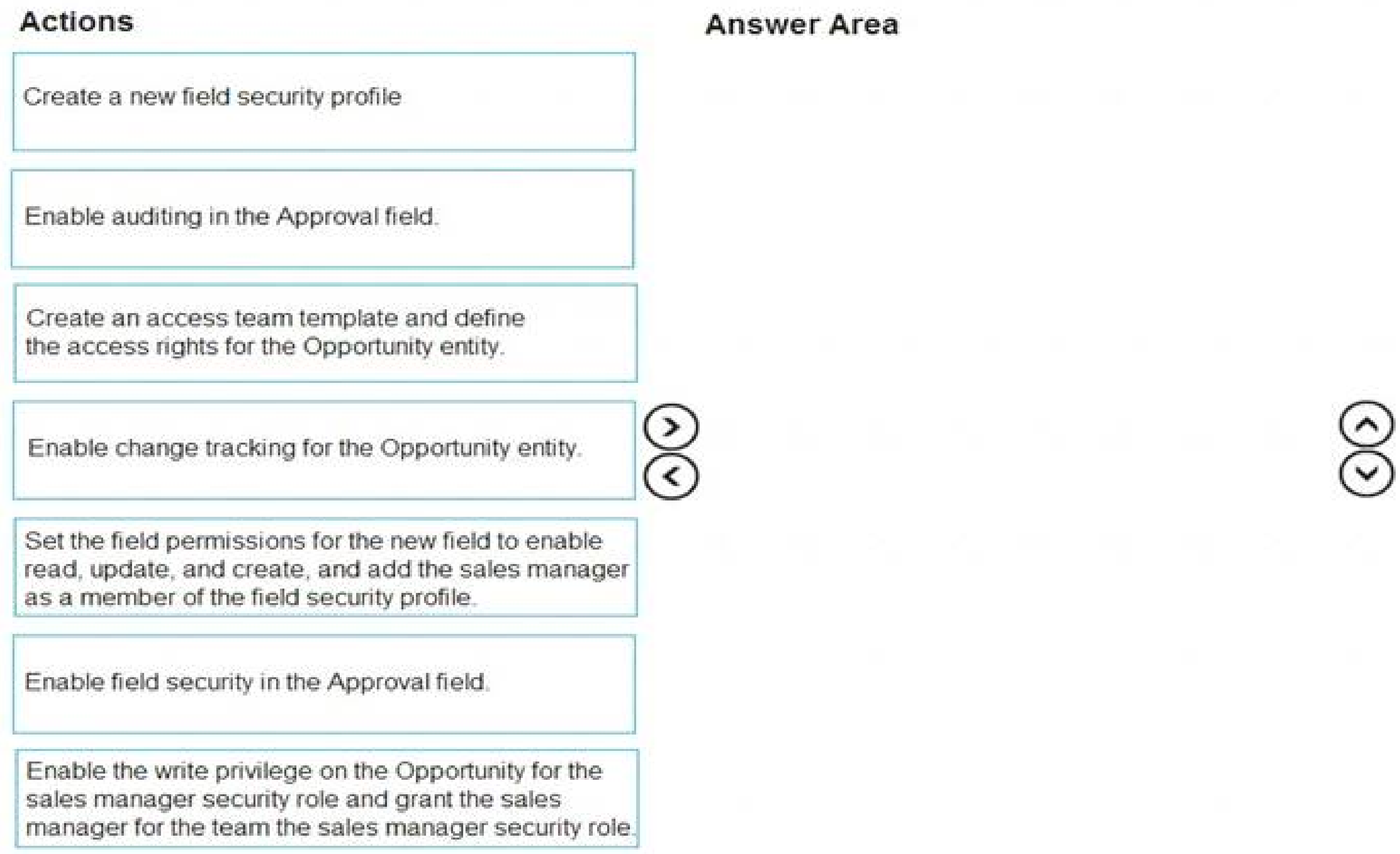



A. Mastered
B. Not Mastered

**Answer:** A

**Explanation:**
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#

**NEW QUESTION 47**
- (Exam Topic 4)
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.




A. Mastered
B. Not Mastered

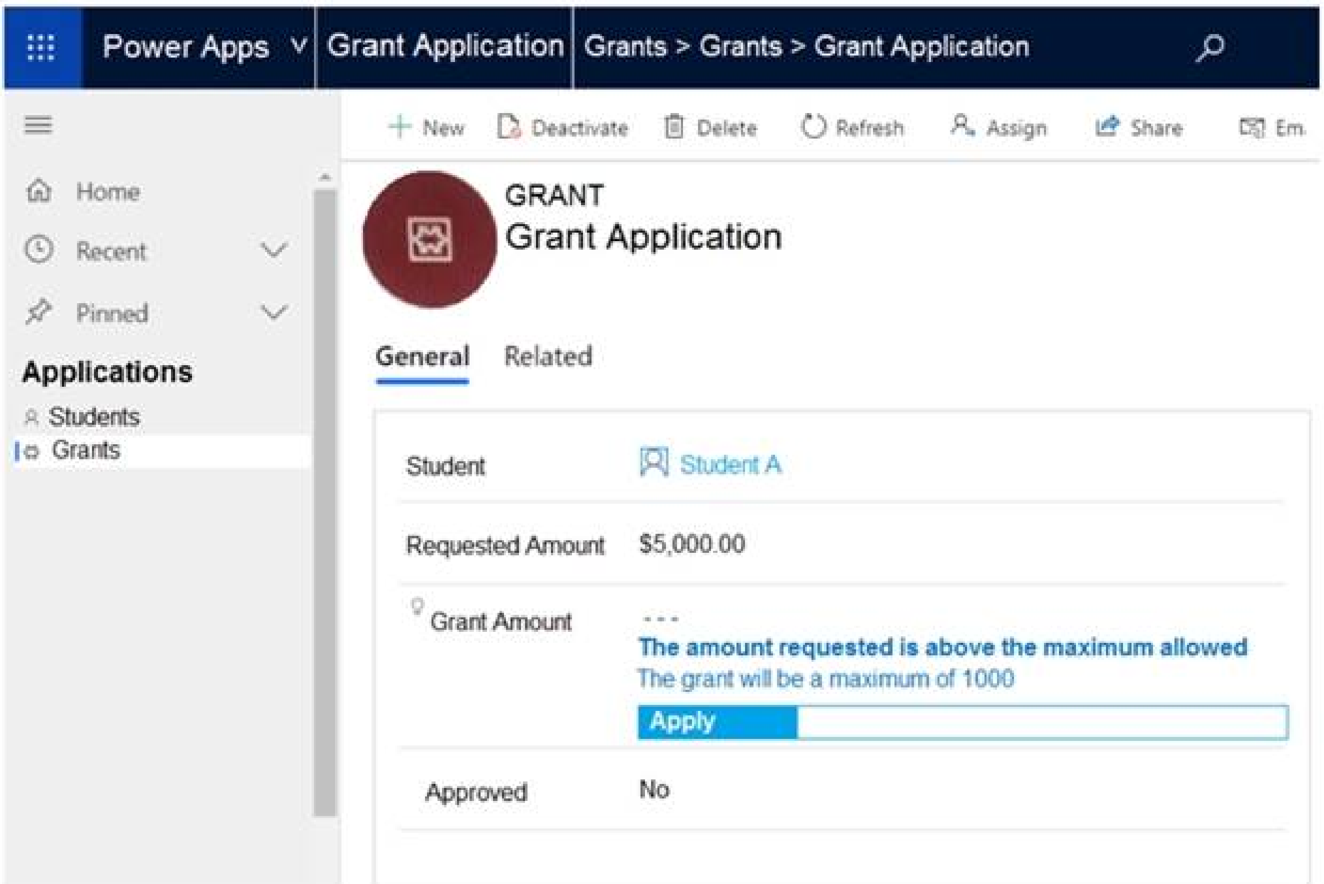
**Answer:** A

**Explanation:**
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).

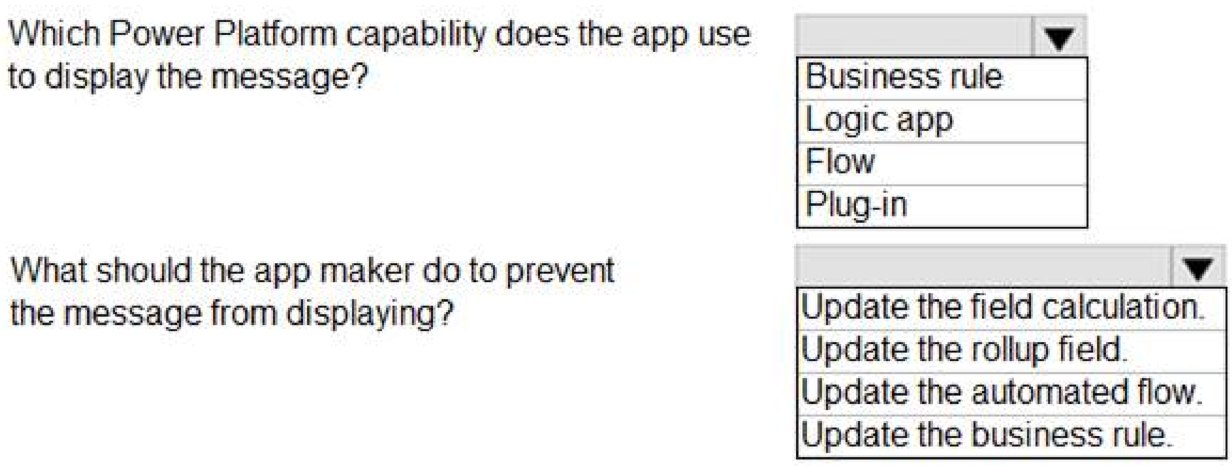
Step 2: Create a new field security profile.
Create a new field security profile for the sales manager. Step 3: Set the field permissions…security profile
Step 2 and step 3, example: Configure the security profiles.
- Create the field security profile for sales managers.
- Go to Settings > Security.
- 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

**NEW QUESTION 52**
- (Exam Topic 4)
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:




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.



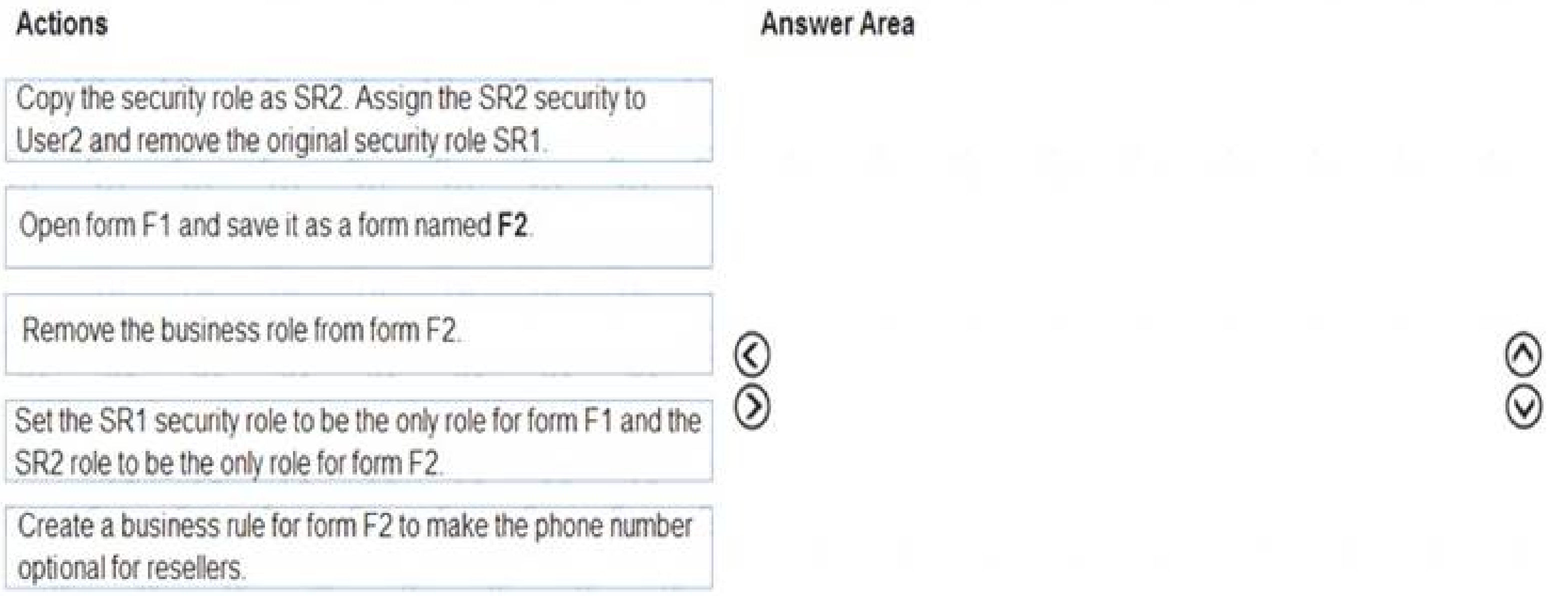

A. Mastered
B. Not Mastered

**Answer:** A

**Explanation:**
Reference:
https://www.loganconsulting.com/blog/how-use-power-automate-trigger-workflows-microsoft-dynamics-crm/

**NEW QUESTION 57**
- (Exam Topic 4)

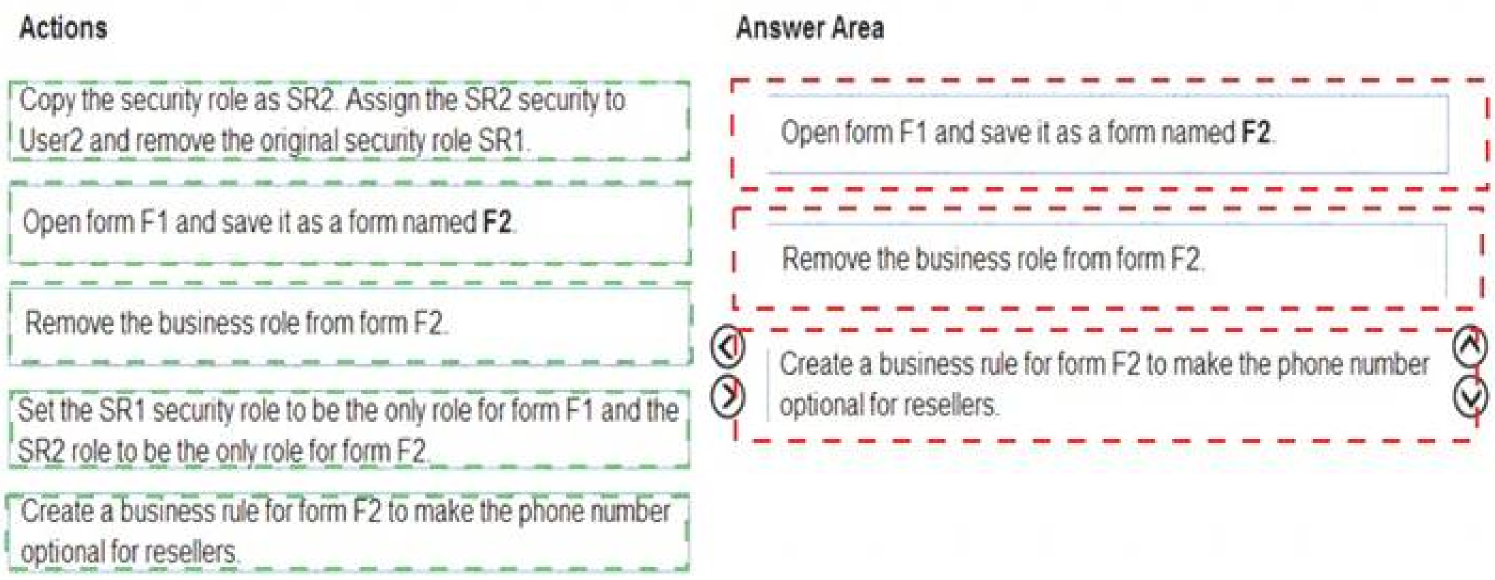
User1 and User2 use a form named F1 to enter account data. Both users have the same security role, SR1, in the same business unit.
User1 has a business rule to make the main phone mandatory if the relationship type is Reseller. User2 must occasionally create records of the Reseller type without having 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.




A. Mastered
B. Not Mastered

**Answer:** A

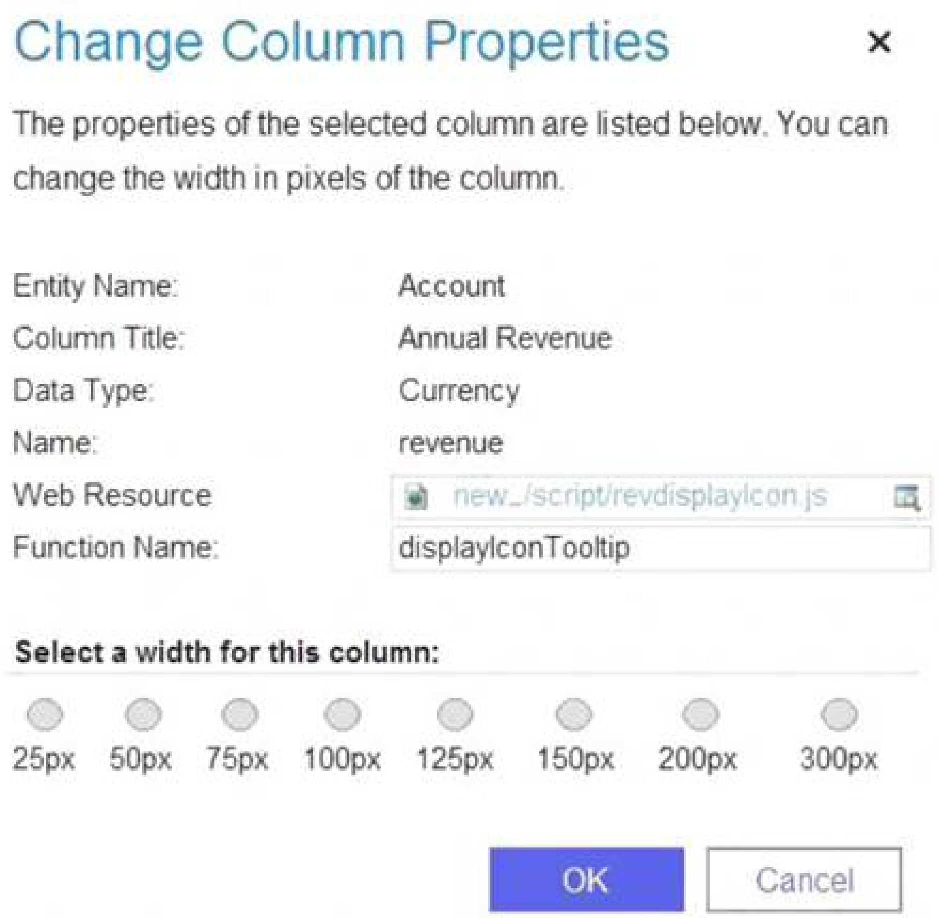
**Explanation:**



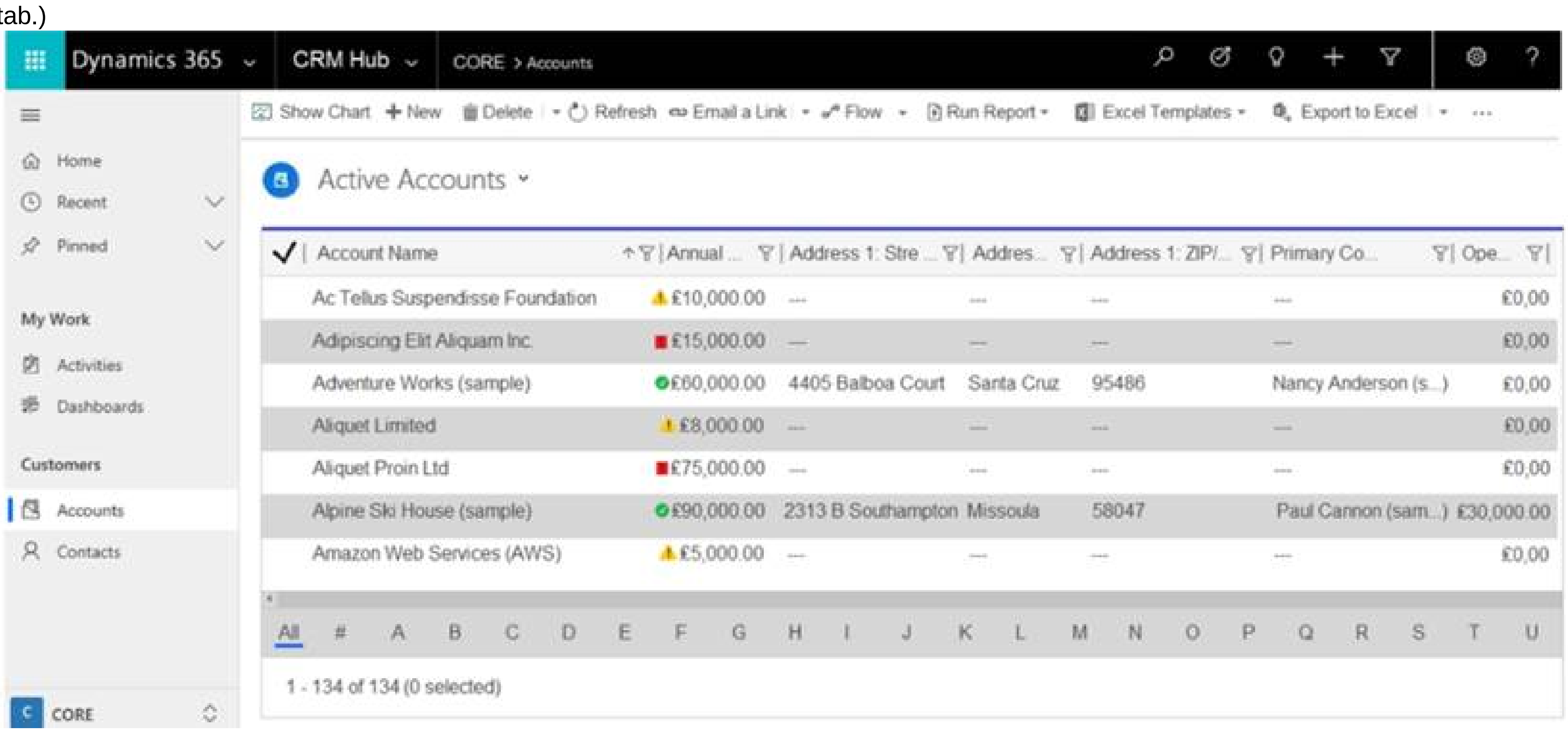

**NEW QUESTION 61**
- (Exam Topic 4)
You have the following JavaScript function: (Line numbers are included for reference only.)

```
function displayIconTooltip(rowData, userLCID)
{
 var imgName = "";
 var tooltip = "Relationship Health";
 var str = JSON.parse(rowData);
 var prevrev = str.new_previousyearannualrevenue_Value;
 var rev = str.revenue_Value;
 var health = parseFloat(rev) - parseFloat(prevrev);
 if (health > 0)
    imgName = "new_good";
 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.)




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.)




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**. | ○ | ○ |
| If the Previous Year Annual Revenue column is included in 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. | ○ | ○ |

A. Mastered
B. Not Mastered

**Answer:** A

**Explanation:**
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-settin

**NEW QUESTION 66**
- (Exam Topic 4)
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**

A. Mastered
B. Not Mastered

**Answer:** A

**Explanation:**
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

**NEW QUESTION 70**
- (Exam Topic 4)
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 https://docs.microsoft.com/en-us/powerapps/developer/common-data-service/webapi/samples/global-discovery

**NEW QUESTION 74**
- (Exam Topic 4)
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 service team read permissions.

**Answer:** D

**Explanation:**
Reference:
https://docs.microsoft.com/en-us/dynamics365/customer-service/create-design-forms-customer-service-hub

**NEW QUESTION 79**
- (Exam Topic 4)
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.


A. Mastered
B. Not Mastered

**Answer:** A

**Explanation:**
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?

**NEW QUESTION 80**
- (Exam Topic 4)
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);
05 …
06 private static string ProcessAccountChanges(IOrganizationService orgservice,
string token, Cloud Queue changeQueue, CloudQueue deleteQueue)
07 {
08   var request = new RetrieveEntityChangeRequest();
09   request.EntityName = "account";
10   request.Columns = new ColumnSet("name", "accountnumber", "creditlimit",
"ownerid");
11   request.DataVersion = token;
12   RetrieveEntityChangeResponse response = (RetrieveEntityChangeResponse)
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 changedItem = (NewOrUpdatedItem)change;
19   Entity newOrChangedEntity = (Entity)changedItem.NewOrUpdatedEntity;
20   CloudQueueMessage changemessage = new CloudQueueMessage
(newOrChangedEntity.Id.ToString());
21   changeQueue.AddMessage(changemessage);
22   }
23   else if (change.Type == ChangeType.RemoveOrDeleted)
24   {
25   var deleteditem = (RemoveOrDeletedItem) change;
26   EntityReference deletedEntityReference = deleteditem.RemovedItem;
27   CloudQueueMessage deletemessage = new CloudQueueMessage
(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. | ○ | ○ |
| 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. | ○ | ○ |

A. Mastered
B. Not Mastered

**Answer:** A

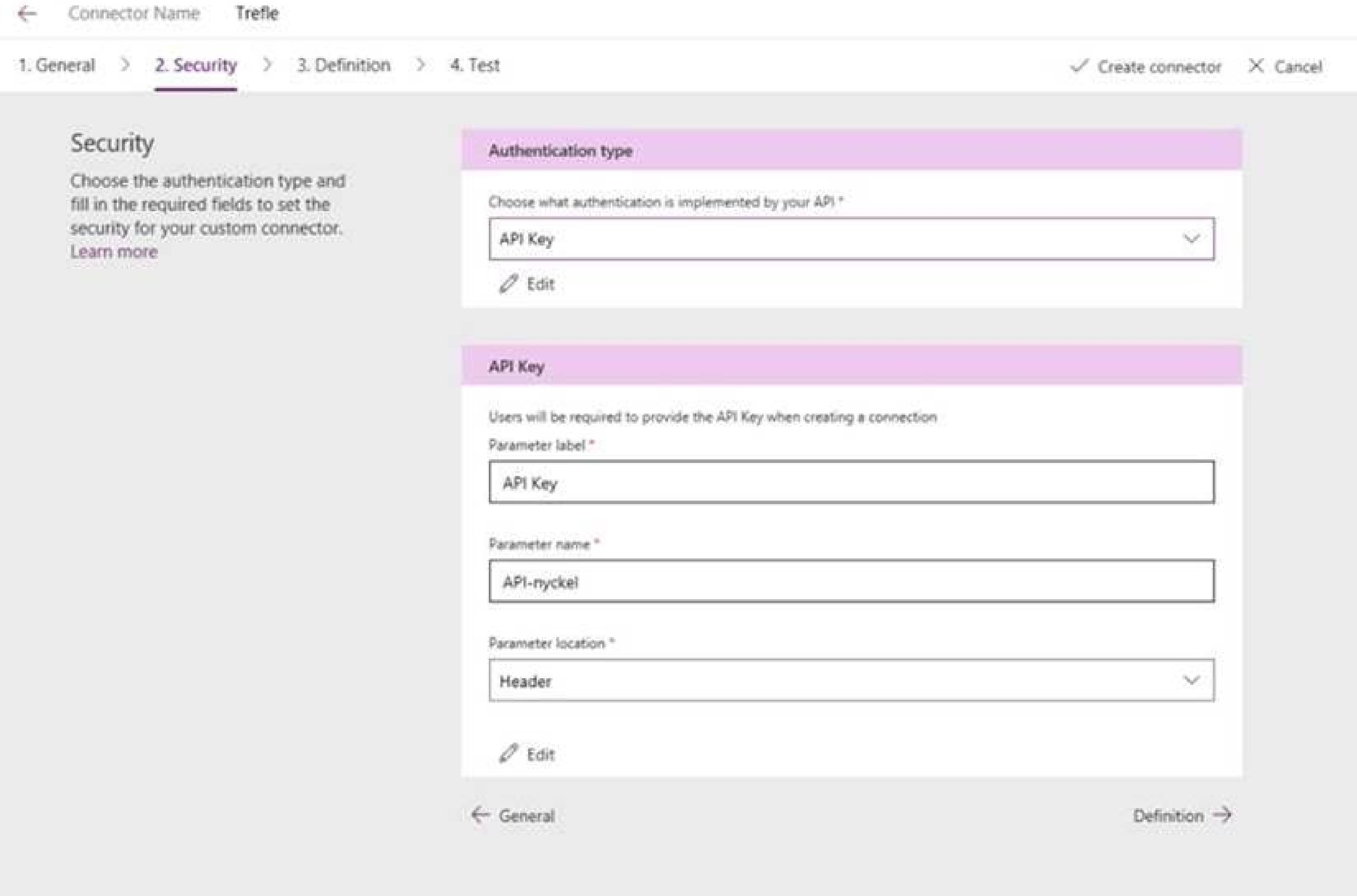
**Explanation:**
Box 1: Yes
Box 2: Yes
Box 3: No
Either new/updated or removed/deleted. Box 4: Yes

**NEW QUESTION 84**
- (Exam Topic 4)
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.

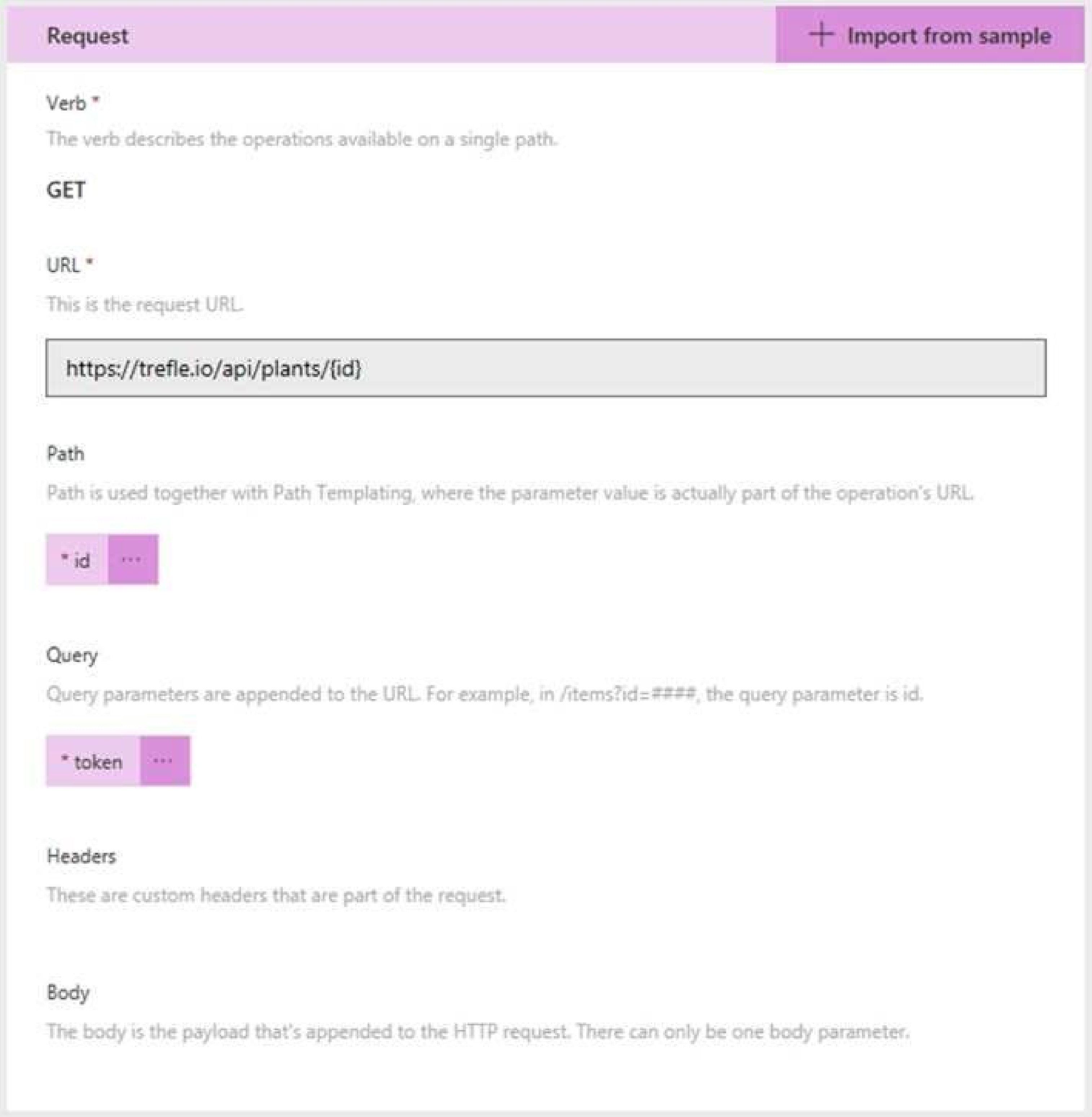
A. Authentication model
B. Address parameter
C. OpenAPI definition
D. Fee parameter
E. Fee reference

**Answer:** ABC

**Explanation:**
C: You can create a custom connector using a OpenAPI definition file or a URL to OpenAPI definition. B: On the Security page you get to choose how to authenticate to the API.




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.




Reference:
https://carinaclaesson.com/2019/09/06/setting-up-a-custom-connector-from-an-openapi-file-and-utilizing-it-in-p

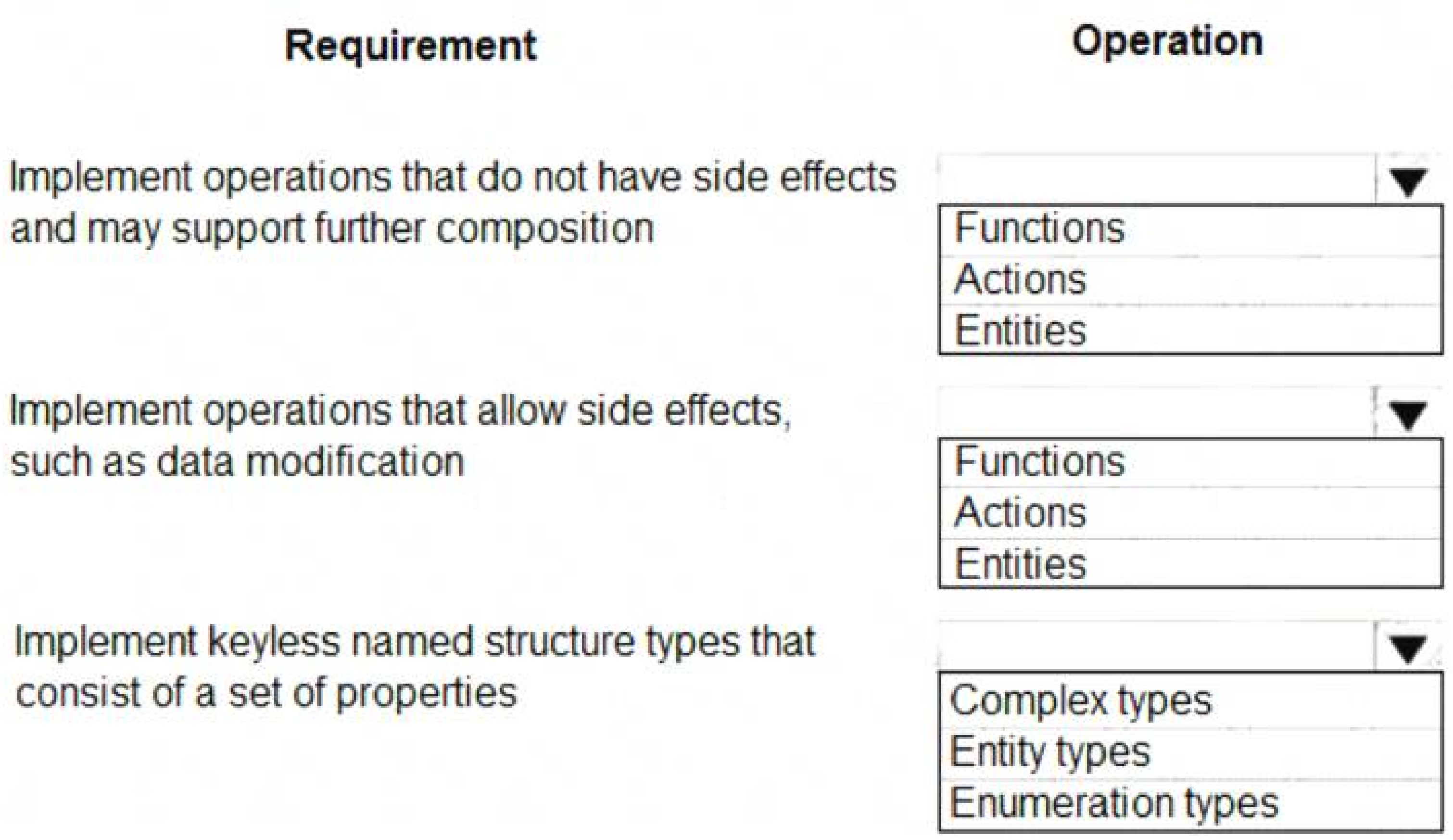
**NEW QUESTION 85**
- (Exam Topic 4)
A financial services company uses the Common Data Service (CDS) to develop solutions. The company uses development and production instances.
You need to move solutions from the development instance to the production instance.
What are two possible ways to achieve 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

**NEW QUESTION 90**
- (Exam Topic 4)
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.




A. Mastered
B. Not Mastered

**Answer:** A

**Explanation:**
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

**NEW QUESTION 95**
- (Exam Topic 4)
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/

**NEW QUESTION 99**
- (Exam Topic 4)
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,
Defaults(Contacts),
{
'First Name': DataCardValue_FirstName.Text, 'Last Name': DataCardValue_LastName.Text
}
);
Navigate(ConfirmationScreen,ScreenTransition.Fade)
,
ClearCollect(
LocalRecord,
{
'First Name': DataCardValue_FirstName.Text, 'Last Name': DataCardValue_LastName.Text
}
);
SaveData(LocalRecord, "LocalRecord");
Navigate(PendingScreen,ScreenTransition.Fade)
)
```

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. | ○ | ○ |

A. Mastered
B. Not Mastered

**Answer:** A

**Explanation:**
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 offline capabilities to your app.
Box 2: No
Box 3: No
Box 4: Yes Reference:
https://docs.microsoft.com/en-us/powerapps/maker/canvas-apps/offline-apps

**NEW QUESTION 101**
- (Exam Topic 4)
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:** B

**NEW QUESTION 103**
- (Exam Topic 4)
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.<br>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<br>The code uses the following rule: web-remove-debug-script<br>The code uses the following rule: web-avoid-modals<br>The code uses the following rule: web-use-strict-mode |

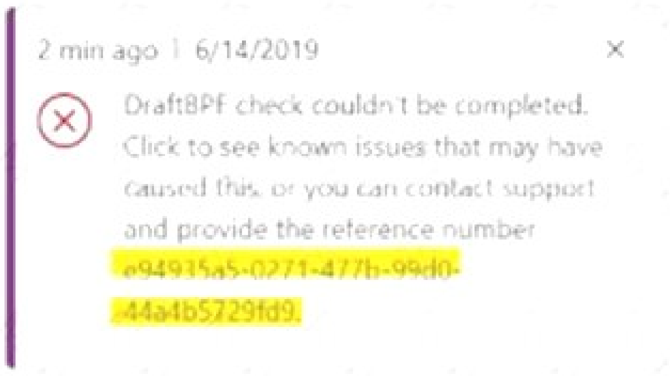
```
var acctnumber = formContext.getAttribute
("accountnumber").getValue();
if (acctnumber == 'abc')
```

A. Mastered
B. Not Mastered

**Answer:** A

**Explanation:**
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.




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

**NEW QUESTION 106**
- (Exam Topic 4)
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?

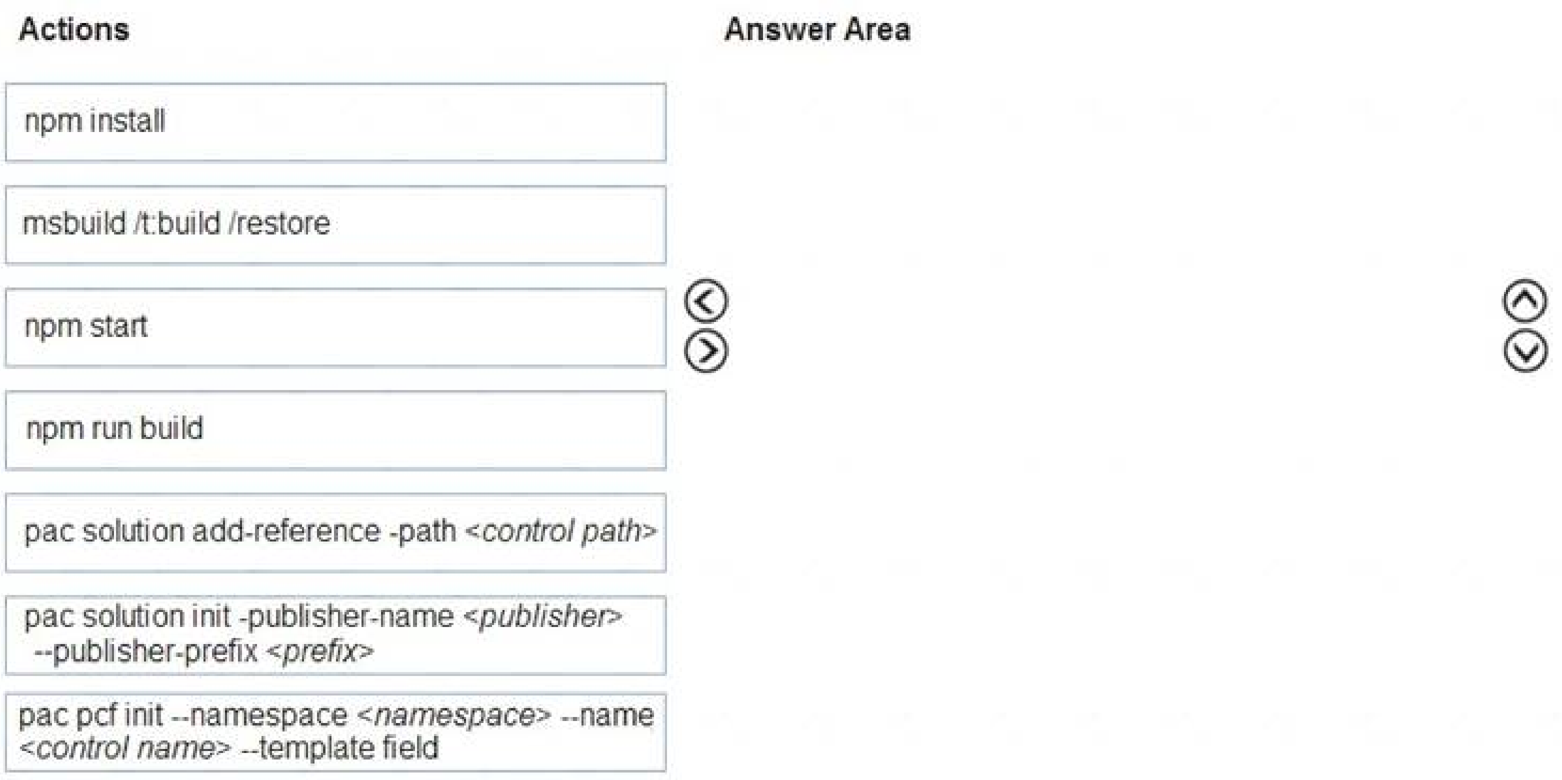
A. Yes
B. No

**Answer:** B

**Explanation:**
Instead use asynchronous communication. D18912E1457D5D1DDCBD40AB3BF70D5D

**NEW QUESTION 108**
- (Exam Topic 4)

A company uses Common Data Service (CDS) and manages their engineers using a model-driven app. You create a new reusable custom component using the PowerApps component framework (PCF).
You need to package the custom component to be deployed 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.



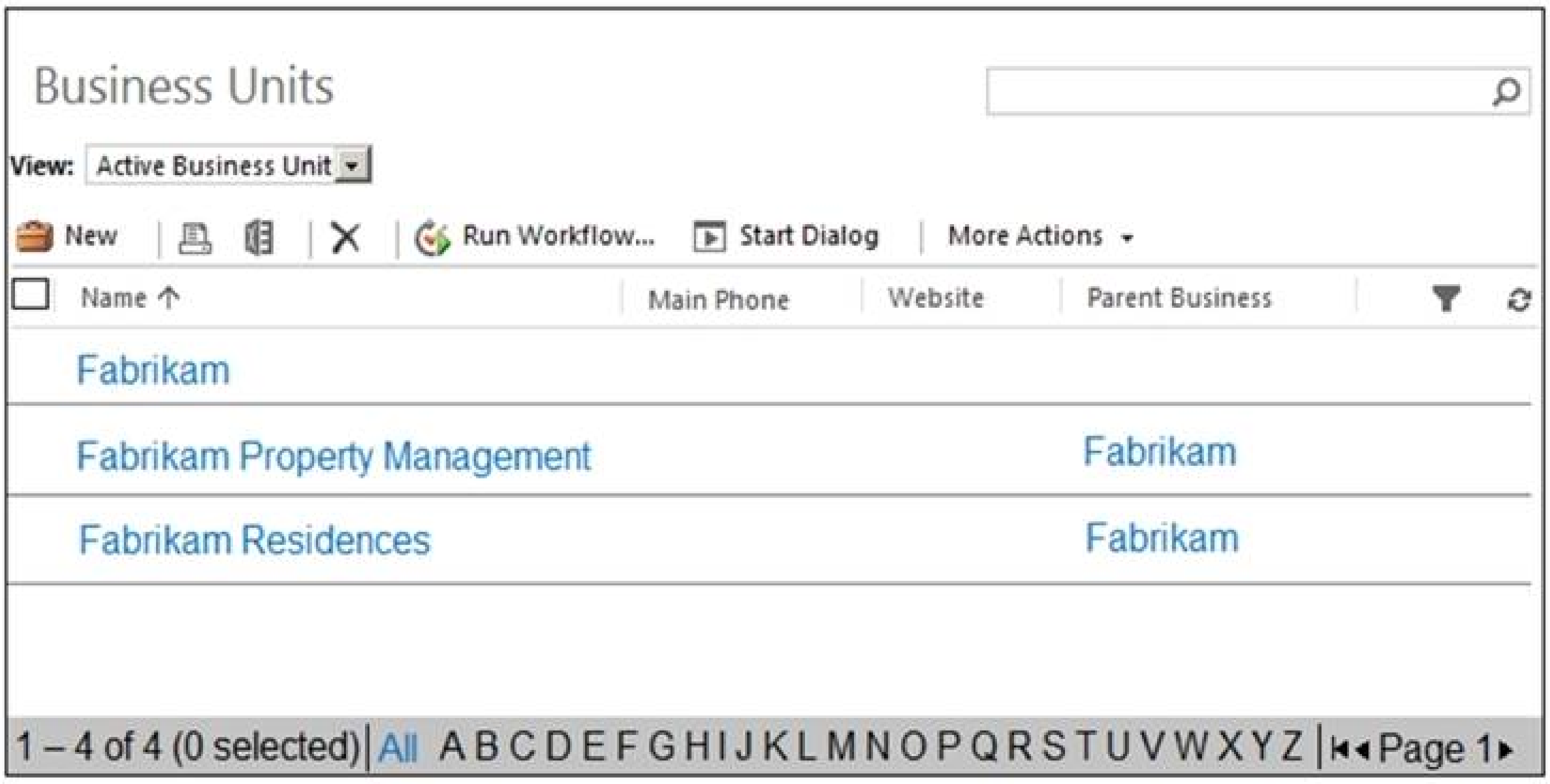

A. Mastered
B. Not Mastered

**Answer:** A

**Explanation:**
Step 1: npm install Install Npm
Step 2: pac pcf init ..
Commands for working with Power Apps component framework. It has the following parameters:
- init: Initializes the code component project. It has the following parameters
- namespace: Namespace of the code component.
- name: Name of the code component.
- template: Field or dataset

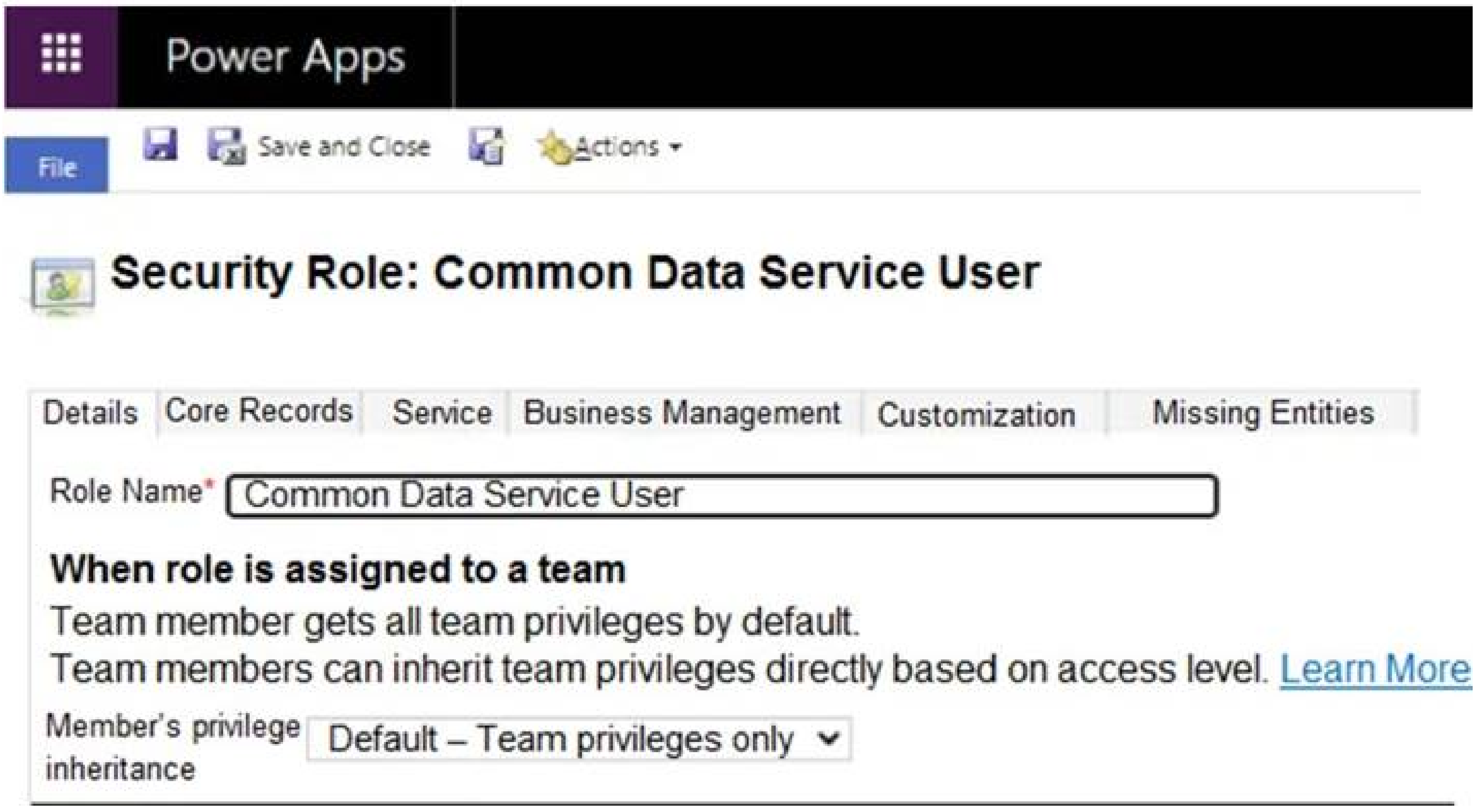
Step 3: pac solution add-reference
Commands for working with Common Data Service solution projects. It has the following parameters: add-References: Sets the reference path to the component project folder by passing the path parameter.
Syntax: pac solution add-reference --path <path to your Power Apps component framework project> Reference:
https://docs.microsoft.com/en-us/powerapps/developer/common-data-service/powerapps-cli

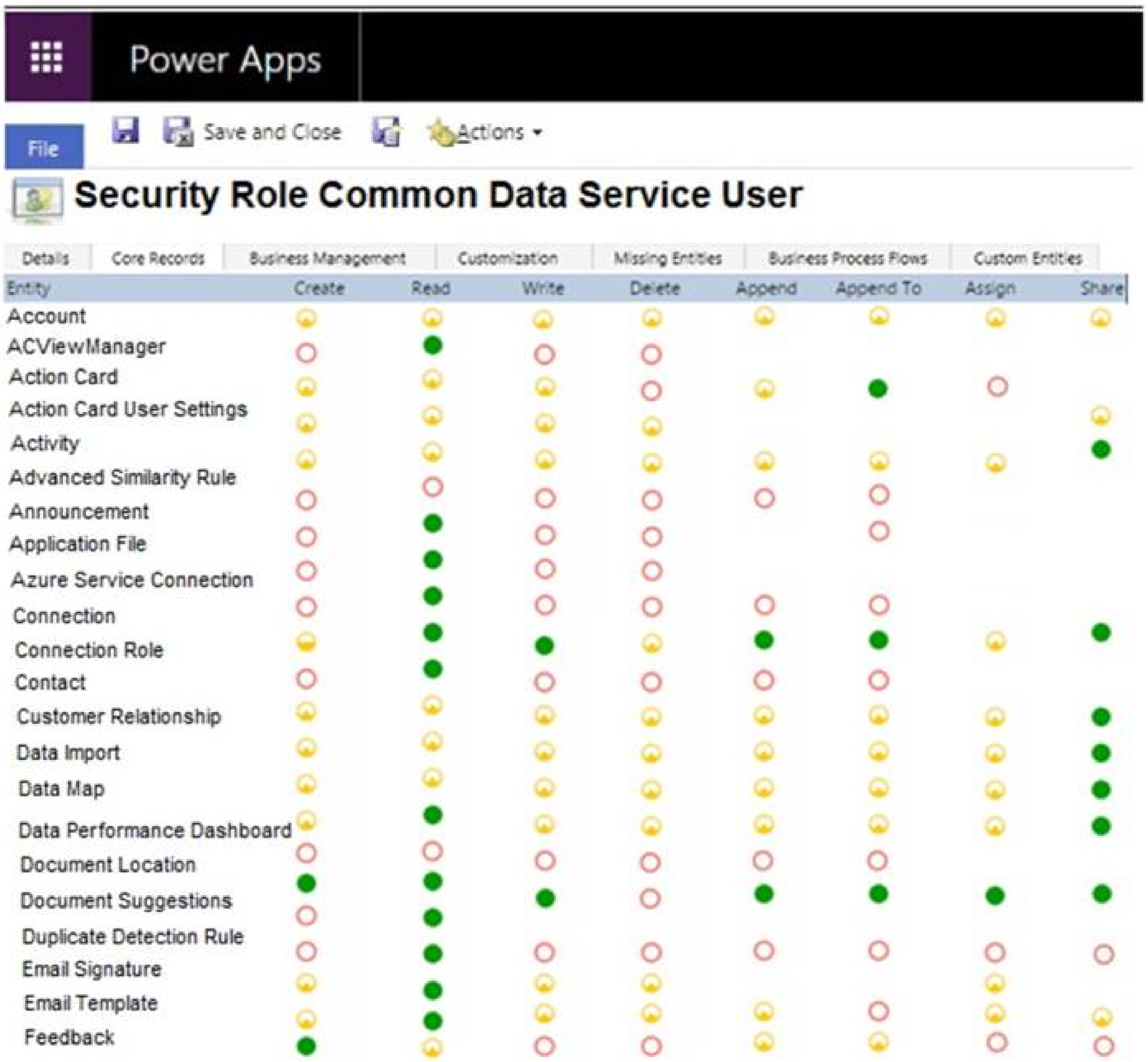
**NEW QUESTION 109**
- (Exam Topic 4)
Fabrikam, Inc, has two divisions as shown in the Business Unit exhibit. (Click the Business Unit tab.)



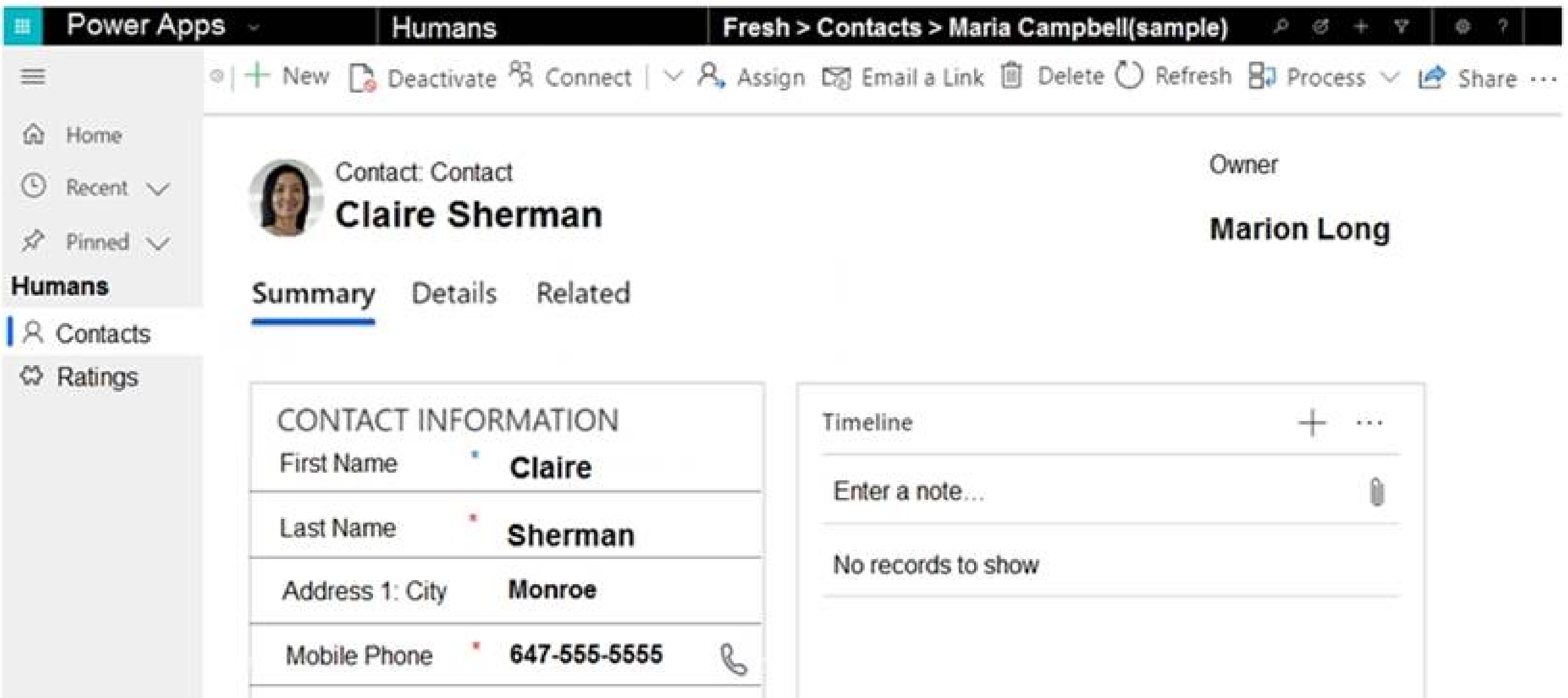

- Fabrikam Residences rents units short term to clients.
- Fabrikam Property Management deals with the maintenance of the units and manages the contractors who perform the maintenance.
- Clients and contractors are both stored in the Contact entity.

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.)




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



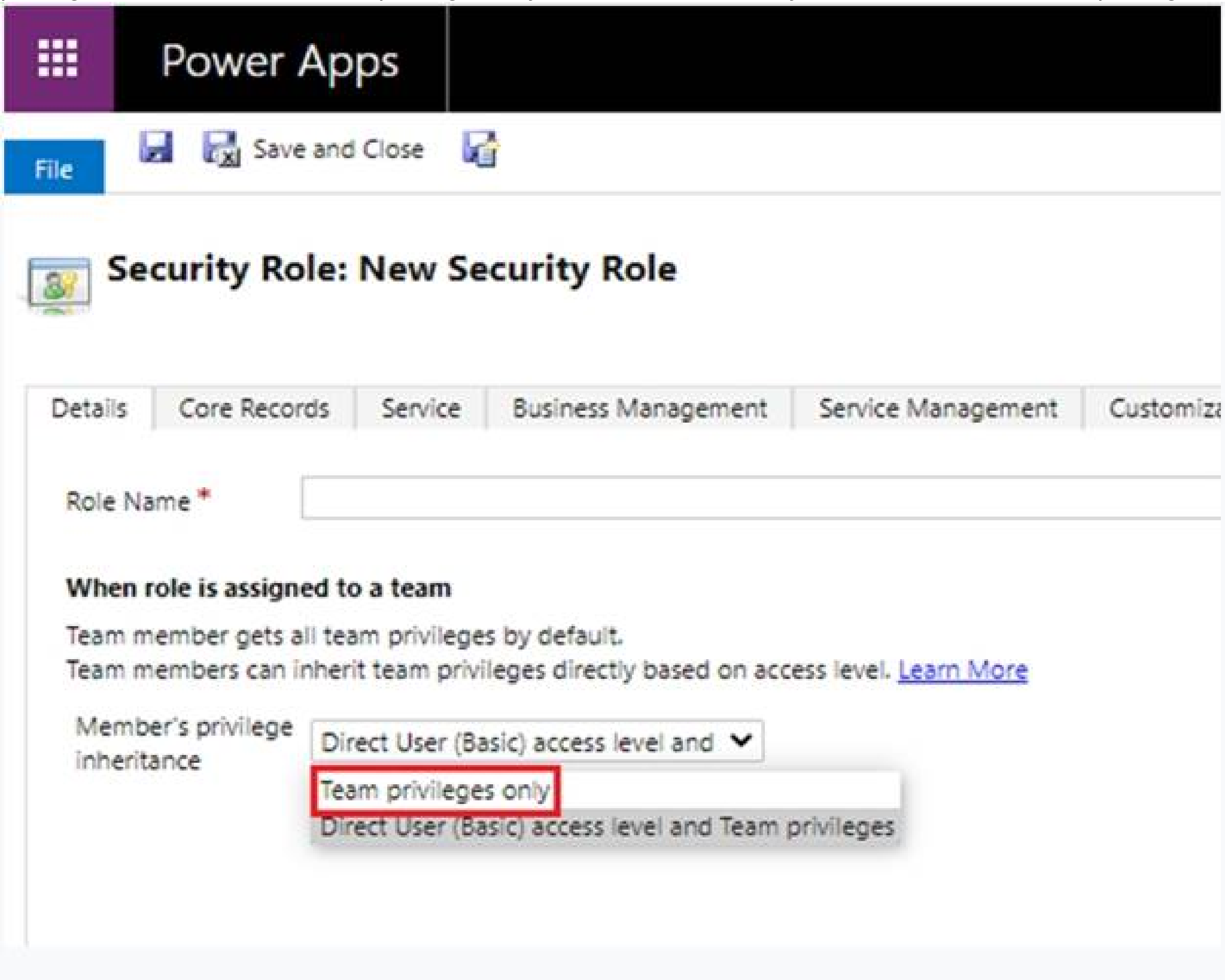

You need to ensure that the manager can view contact records owned by someone in the Residences business unit.
For each of the following statements, select Yes if the statement achieves the goal. Otherwise, select No.

| 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. | ○ | ○ |

A. Mastered
B. Not Mastered

**Answer:** A

**Explanation:**
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.¨




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

**NEW QUESTION 112**
- (Exam Topic 4)
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= [▼]
 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= [▼]
 required= "true" />
      <resources>
           <code path= "Index.ts" order= "1"/>
               <css path= "css/DatePicker.css" order= "1" />
           </resources>
         </control>
      </manifest>
```

constructor= options:
- Index.ts
- DatePicker.css
- AuditDatePicker

of-type= options:
- Enum
- DateandTime.DateandTime
- DateandTime.DateOnly

usage= options:
- bound
- input

A. Mastered
B. Not Mastered

**Answer:** A

**Explanation:**
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/manif https://docs.microsoft.com/en-us/powerapps/developer/component-framework/implementing-controls-using-typ

**NEW QUESTION 117**
......

# Thank You for Trying Our Product

## We offer two products:

1st - We have Practice Tests Software with Actual Exam Questions

2nd - Questons and Answers in PDF Format

## PL-400 Practice Exam Features:

* PL-400 Questions and Answers Updated Frequently

* PL-400 Practice Questions Verified by Expert Senior Certified Staff

* PL-400 Most Realistic Questions that Guarantee you a Pass on Your FirstTry

* PL-400 Practice Test Questions in Multiple Choice Formats and Updatesfor 1 Year

100% Actual & Verified — Instant Download, Please Click
Order The PL-400 Practice Test Here