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Vendor:Microsoft

Exam Code:MB-400

Exam Name:Microsoft Power Apps + Dynamics 365
Developer

Version:Demo

QUESTION 1

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.

Select and Place:

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

Correct Answer:

Options

Answer Area

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 2

HOTSPOT

You have the following JavaScript function: (Line numbers are included for reference only.)

```
01 function displayIconTooltip(rowData, userLCID)
02 {
03   var imgName = "";
04   var tooltip = "Relationship Health";
05   var str = JSON.parse(rowData);
06   var prevrev = str.new_previousyearannualrevenue_Value;
07   var rev = str.revenue_Value;
08   var health = parseFloat(rev) - parseFloat(prevrev);
09   if (health > 0)
10     imgName = "new_good";
11   else if (health == 0)
12     imgName = "new_warm";
13   else
14     imgName = "new_bad";
15   var resultarray = [imgName, tooltip];
16   return resultarray;
17 }
```

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:
Function Name:

Select a width for this column:

25px 50px 75px 100px 125px 150px 200px 300px

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.)

Account Name	Annual Revenue	Address 1: Street	Address 1: City	Address 1: ZIP	Primary Contact	Open Amount
Ac Tellus Suspendisse Foundation	£10,000.00	---	---	---	---	£0,00
Adipiscing Elit Aliquam Inc.	£15,000.00	---	---	---	---	£0,00
Adventure Works (sample)	£60,000.00	4405 Balboa Court	Santa Cruz	95486	Nancy Anderson (s...)	£0,00
Aliquet Limited	£8,000.00	---	---	---	---	£0,00
Aliquet Proin Ltd	£75,000.00	---	---	---	---	£0,00
Alpine Ski House (sample)	£90,000.00	2313 B Southampton	Missoula	58047	Paul Cannon (sam...)	£30,000.00
Amazon Web Services (AWS)	£5,000.00	---	---	---	---	£0,00

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.

Hot Area:

Answer Area

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.	<input type="radio"/>	<input type="radio"/>
If the Previous Year Annual Revenue column is included in the Active Accounts view, an exception is raised and an error is displayed.	<input type="radio"/>	<input type="radio"/>
The userLCID can be used to gain access to users' Language settings in personal options and change the tooltip to their chosen language.	<input type="radio"/>	<input type="radio"/>
The imgName refers to an image that is a URL to an external image file.	<input type="radio"/>	<input type="radio"/>

Correct Answer:

Answer Area

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.	<input type="radio"/>	<input checked="" type="radio"/>
If the Previous Year Annual Revenue column is included in the Active Accounts view, an exception is raised and an error is displayed.	<input type="radio"/>	<input checked="" type="radio"/>
The userLCID can be used to gain access to users' Language settings in personal options and change the tooltip to their chosen language.	<input checked="" type="radio"/>	<input type="radio"/>
The imgName refers to an image that is a URL to an external image file.	<input checked="" type="radio"/>	<input type="radio"/>

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 3

A client requires that the system sends 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 answer 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()

Correct Answer: C

You can execute action using `Xrm.WebApi.online.execute` in Dynamics 365 CRM V9.0.

Reference: <https://carldesouza.com/calling-a-dynamics-365-action-from-javascript-using-xrm-webapi-online-execute/>

QUESTION 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

Correct Answer: B

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 5

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:

1.

Enable change tracking for entities that will be synchronized.

2.

Implement a console application that queries for changes. Does the solution meet the goal?

A. Yes

B. No

Correct Answer: B

Instead use the Data Export Service to sync data between the database and Dynamics 365 Sales.

References: <https://docs.microsoft.com/en-us/power-platform/admin/enable-change-tracking-control-data-synchronization>

QUESTION 6

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 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.

Select and Place:

Actions

Answer Area

- npm install
- msbuild /t:build /restore
- npm start
- npm run build
- pac solution add-reference -path <control path>
- pac solution init -publisher-name <publisher> --publisher-prefix <prefix>
- pac pcf init --namespace <namespace> --name <control name> --template field



Correct Answer:

Actions

Answer Area

- msbuild /t:build /restore
- npm start
- npm run build
- pac solution init -publisher-name <publisher> --publisher-prefix <prefix>



- npm install
- pac pcf init --namespace <namespace> --name <control name> --template field
- pac solution add-reference -path <control path>

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

Incorrect Answers:

pac solution init ..

Commands for working with Common Data Service solution projects. We are working with a PowerApps component framework project though.

Reference:

<https://docs.microsoft.com/en-us/powerapps/developer/common-data-service/powerapps-cli>

QUESTION 7

HOTSPOT

A company imports data from files.

The following code is created to import the files. (Line numbers are included for reference only.)

```
1. var transactionrequest = new ExecuteTransactionRequest()
2. {
3. Requests = new OrganizationRequestCollection(),
4. ReturnResponses = true
5. };
6. ...
7. foreach (DataRow dr in Rows)
8. {
9. ...
10. var contact = new Entity("contact");
11. contact["firstname"] = firstname;
12. contact["lastname"] = lastname;
13. var createRequest = new CreateRequest() {Target = contact};
14. transactionrequest.Requests.Add(createRequest);
15. }
16. try
17. {
18. var response = (ExecuteTransactionResponse)crmSvc.Execute(transactionrequest);
19. foreach (var responseItem in response.Responses)
20. {
21. var createResponse = (CreateResponse)responseItem;
22. Console.WriteLine("Created: {0}", createResponse.id.ToString());
23. }
24. }
25. catch (FaultException<Microsoft.Xrm.Sdk.OrganizationServiceFault> ex)
26. {
27. Console.WriteLine("Error: {0}", ((ExecuteTransactionFault)(ex.Detail)).FaultedRequestIndex + 1, ex.Detail.Message);
28. }
```

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

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
If an error occurs when one of the contacts is created, processing will continue, and the remainder of the contacts will be created.	<input type="radio"/>	<input type="radio"/>
,ContinueOnError = true can be added at line 5.	<input type="radio"/>	<input type="radio"/>
The order of requests is performed in the sequence added to transactionrequest.	<input type="radio"/>	<input type="radio"/>
Lines 19-23 are required for the contacts to be created.	<input type="radio"/>	<input type="radio"/>

Correct Answer:

Answer Area

Statements	Yes	No
If an error occurs when one of the contacts is created, processing will continue, and the remainder of the contacts will be created.	<input type="radio"/>	<input checked="" type="radio"/>
,ContinueOnError = true can be added at line 5.	<input checked="" type="radio"/>	<input type="radio"/>
The order of requests is performed in the sequence added to transactionrequest.	<input type="radio"/>	<input checked="" type="radio"/>
Lines 19-23 are required for the contacts to be created.	<input type="radio"/>	<input checked="" type="radio"/>

Box 1: No

Need to set ContinueOnError=True. 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.

Box 2: No

ContinueOnError = true must be added before Requests = new OrganizationRequestCollection() on line 3.

Example:

```
// Create an ExecuteMultipleRequest object.
requestWithResults = new ExecuteMultipleRequest()
{
    // Assign settings that define execution behavior: continue on error, return responses.
    Settings = new ExecuteMultipleSettings()
    {
        ContinueOnError = false,
        ReturnResponses = true
    },
    // Create an empty organization request collection.
    Requests = new OrganizationRequestCollection()
};
```

Box 3: Yes

You can use the ExecuteMultipleRequest message to support higher throughput bulk message passing scenarios in Common Data Service. ExecuteMultipleRequest accepts an input collection of message Requests, executes each of the

message requests in the order they appear in the input collection, and optionally returns a collection of Responses containing each message's response or the error that occurred.

Box 4: No

This is just for displaying the result.

Reference:

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

QUESTION 8

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.

Select and Place:

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.	

Correct Answer:

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.
	Create a business rule for form F2 to make the phone number optional for resellers.
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.	

QUESTION 9

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.

Hot Area:

Requirement	Component				
Mailing list opt-in/opt-out	<div data-bbox="541 465 1043 510" style="border: 1px solid #ccc; padding: 2px; text-align: right;">▼</div> <table border="1" data-bbox="541 510 1043 779"><tr><td data-bbox="544 517 1040 577">Flip switch</td></tr><tr><td data-bbox="544 577 1040 638">Linear gauge</td></tr><tr><td data-bbox="544 638 1040 698">Radial knob</td></tr><tr><td data-bbox="544 698 1040 779">Linear slider</td></tr></table>	Flip switch	Linear gauge	Radial knob	Linear slider
Flip switch					
Linear gauge					
Radial knob					
Linear slider					
Number of store visits	<div data-bbox="541 801 1043 846" style="border: 1px solid #ccc; padding: 2px; text-align: right;">▼</div> <table border="1" data-bbox="541 846 1043 1115"><tr><td data-bbox="544 853 1040 913">Linear gauge</td></tr><tr><td data-bbox="544 913 1040 974">Flip switch</td></tr><tr><td data-bbox="544 974 1040 1034">Pen control</td></tr><tr><td data-bbox="544 1034 1040 1115">Input mask</td></tr></table>	Linear gauge	Flip switch	Pen control	Input mask
Linear gauge					
Flip switch					
Pen control					
Input mask					
Purpose of visit	<div data-bbox="541 1137 1043 1182" style="border: 1px solid #ccc; padding: 2px; text-align: right;">▼</div> <table border="1" data-bbox="541 1182 1043 1453"><tr><td data-bbox="544 1189 1040 1249">Linear gauge</td></tr><tr><td data-bbox="544 1249 1040 1310">Flip switch</td></tr><tr><td data-bbox="544 1310 1040 1370">Radial knob</td></tr><tr><td data-bbox="544 1370 1040 1453">Option set</td></tr></table>	Linear gauge	Flip switch	Radial knob	Option set
Linear gauge					
Flip switch					
Radial knob					
Option set					

Correct Answer:

Requirement

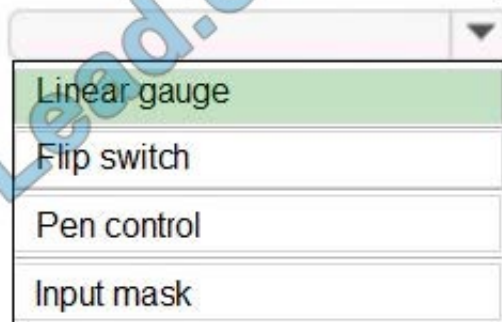
Component

Mailing list opt-in/opt-out



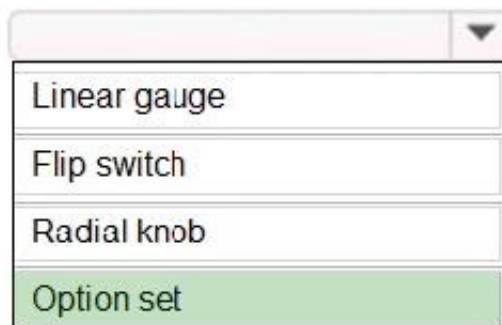
A dropdown menu with a downward arrow on the right. The menu is open, showing four options: 'Flip switch' (highlighted in green), 'Linear gauge', 'Radial knob', and 'Linear slider'.

Number of store visits



A dropdown menu with a downward arrow on the right. The menu is open, showing four options: 'Linear gauge' (highlighted in green), 'Flip switch', 'Pen control', and 'Input mask'.

Purpose of visit



A dropdown menu with a downward arrow on the right. The menu is open, showing four options: 'Linear gauge', 'Flip switch', 'Radial knob', and 'Option set' (highlighted in green).

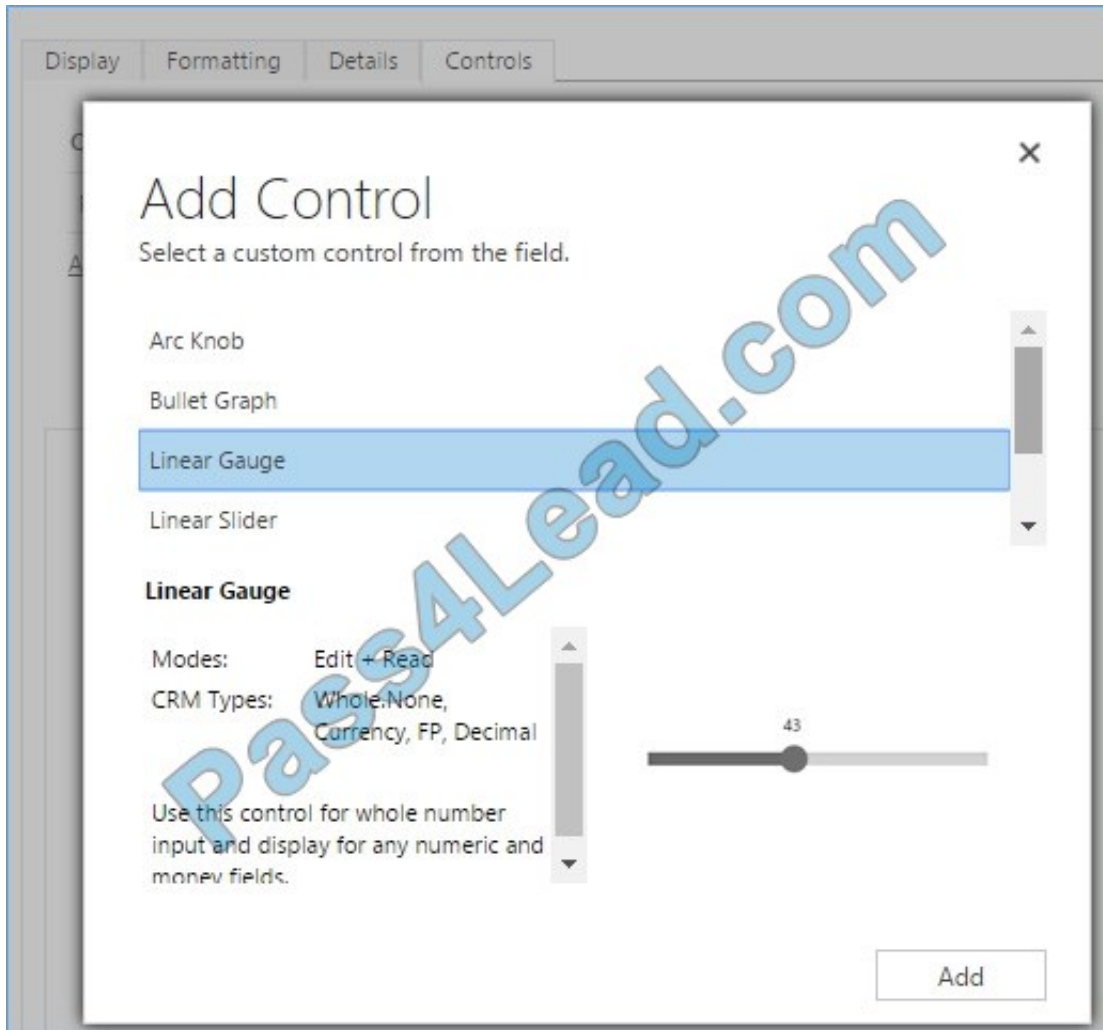
Box 1: Flip switch

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



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 10

You need to replace the bicycle inspection forms.

Which two solutions should you use? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. a canvas app that guides the technician through the inspection
- B. a logic app that guides the technician through the inspection

- C. a flow that maps inspection data to Dynamics 365 for Field Service
- D. a model-driven app based on customer service entities

Correct Answer: CD

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.

C: The Dynamics 365 Field Service business application helps organizations deliver onsite service to customer locations. The application combines workflow automation, scheduling algorithms, and mobility to set mobile workers up for success when they're onsite with customers fixing issues.

D: Model-driven apps are good for creating end-to-end solutions. For example, after a customer service support ticket has been created, it must be routed, addressed, updated, marked as complete, and so on. There will likely be quite a few teams, roles, and processes involved in this complete cycle of case resolution, which would require a model-driven app.

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

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

QUESTION 11

HOTSPOT

A company is preparing to go live with their Dynamics 365 Customer Engagement 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 Customer Engagement, the IDs for the new accounts must be output to a log file.

You have the following code:

```
1. ExecuteMultipleRequest request = new ExecuteMultipleRequest()
2. {
3.     Settings = new ExecuteMultipleSettings()
4.     {
5.         ContinueOnError = true,
6.         ReturnResponses = false
7.     },
8.     Requests = new OrganizationRequestCollection()
9. };
10. GetAccountData(request.Requests);
11. ExecuteMultipleResponse responseWithResults = (ExecuteMultipleResponse)crmSvc.Execute(request);
12. foreach (var responseItem in responseWithResults.Responses)
13. {
14. ...
15. }
```

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

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

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

Correct Answer:

Answer Area

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

Box 1: Yes

Box 2: Yes Even when ReturnResponses is 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 ContinueOnError, here set to true: 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.

Box 4: Yes Even when ReturnResponses is 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.

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

QUESTION 12

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

- A. Recreate customizations in a new environment.
- B. Navigate to Customize the System and export everything to a managed solution.
- C. Clone the solution
- D. Create packages for Package Deployer.

Correct Answer: D

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

Microsoft Dynamics CRM Package Deployer enables administrators to deploy packages on Customer Engagement (on-premises) or Common Data Service environment.

Incorrect Answers:

B: You can only export an unmanaged solution.

Reference: <https://docs.microsoft.com/en-us/dynamics365/customerengagement/on-premises/customize/export-solution>

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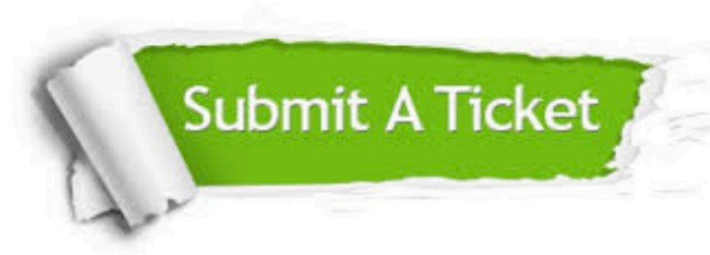
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