



MB-400^{Q&As}

Microsoft Power Apps + Dynamics 365 Developer

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QUESTION 1

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.

Hot Area:

Answer Area

```
<CommandDefinitions>
  <CommandDefinition Id="GenerateBasket.Command">
    <Actions>
      <JavaScriptFunction FunctionName=" generatebasket"
Library="$webresource:mb_/scripts/basket.js">
        < [ ] Value=" [ ] "/>
      </JavaScriptFunction>
    </Actions>
  </CommandDefinition>
</CommandDefinitions>
```

CrmParameter	1033
IntParameter	1036
StringParameter	OrgLcid
	UserLcid

Correct Answer:



Answer Area

```

<CommandDefinitions>
  <CommandDefinition Id="GenerateBasket.Command">
    <Actions>
      <JavaScriptFunction FunctionName=" generatebasket"
Library="$webresource:mb_/scripts/basket.js">
        <
          Value="
          CrmParameter
          IntParameter
          StringParameter
        </JavaScriptFunction>
      </Actions>
    </CommandDefinition>
  </CommandDefinitions>
  
```

Box 1: CrmParameter

Ribbon actions are defined in the element of a element. There are several ways to pass contextual Dynamics 365 for Customer Engagement information as query string parameters to a URL by using the

ribbon.

You can use a element together with a element.

Box 2: UserLcid

UserLcid User Language Code: Language code identifier that is used by the current user.

Reference:

<https://docs.microsoft.com/en-us/dynamics365/customerengagement/on-premises/developer/customize-dev/pass-parameters-url-by-using-ribbon>

QUESTION 2

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.

Select and Place:

Security roles	Answer Area										
System Administrator	<table border="1"> <thead> <tr> <th>User</th> <th>Security role</th> </tr> </thead> <tbody> <tr> <td>UserA</td> <td>Security role</td> </tr> <tr> <td>UserB</td> <td>Security role</td> </tr> <tr> <td>UserC</td> <td>Security role</td> </tr> <tr> <td>All employees</td> <td>Security role</td> </tr> </tbody> </table>	User	Security role	UserA	Security role	UserB	Security role	UserC	Security role	All employees	Security role
User	Security role										
UserA	Security role										
UserB	Security role										
UserC	Security role										
All employees	Security role										
System Customizer											
Common Data Service User											
Environment Maker											

Correct Answer:

Security roles	Answer Area										
	<table border="1"> <thead> <tr> <th>User</th> <th>Security role</th> </tr> </thead> <tbody> <tr> <td>UserA</td> <td>Common Data Service User</td> </tr> <tr> <td>UserB</td> <td>Environment Maker</td> </tr> <tr> <td>UserC</td> <td>System Administrator</td> </tr> <tr> <td>All employees</td> <td>System Customizer</td> </tr> </tbody> </table>	User	Security role	UserA	Common Data Service User	UserB	Environment Maker	UserC	System Administrator	All employees	System Customizer
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.

1.



Build Apps against your Dynamics 365 Data

2.

Manage reusable Business logic and rules

3.

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 over-riding 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 3

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

Correct Answer: A

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 4

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.

Select and Place:



Actions

Answer Area

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.



Correct Answer:

Actions

Answer Area

Create a new model-driven app. Add the project entity, and select the Finance Security role.

Select the Finance app from the My Apps page and configure the app to use the Finance Security role.

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 Security 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.

1.

Visit <https://make.powerapps.com>

2.

Select a model-driven app and click Share.

3.

Select the app then choose a security role from the list.

Reference:

<https://docs.microsoft.com/dynamics365/customer-engagement/admin/assign-security-roles-for>

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.

QUESTION 5

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/Postal Code	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, and 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, and 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 6

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.

Correct Answer: ADE

To implement field-level security, a system administrator performs the following tasks.

1.
Enable field security on one or more fields for a given entity.
2.
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:

1.
Permissions to the secure fields
2.
Users and Teams

A security profile can be configured to grant user or team members the following permissions at the field level:

1.
Read. Read-only access to the field's data.
2.
Create. Users or teams in this profile can add data to this field when creating a record.
3.
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 7

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

Correct Answer: B

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 8

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.

Write a SSIS package to connect to the source and target.

2.

Develop the SSIS package to find the records by the Modified on field.

3.

Create or update the records in the database instance based on results. Does the solution meet the goal?

A. Yes

B. No



Correct Answer: B

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 9

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 10

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.

Hot Area:

Answer Area

Issue	Troubleshooting method				
Artist canvas app has errors.	<div data-bbox="746 712 1428 748" style="border: 1px solid #ccc; padding: 2px;">▼</div> <table border="1" data-bbox="746 748 1428 929"><tr><td data-bbox="756 757 1027 792">PowerApp Checker</td></tr><tr><td data-bbox="756 815 995 851">Solution Checker</td></tr><tr><td data-bbox="756 873 1021 909">Site Map validation</td></tr></table>	PowerApp Checker	Solution Checker	Site Map validation	
PowerApp Checker					
Solution Checker					
Site Map validation					
Application runs slowly.	<div data-bbox="746 952 1428 987" style="border: 1px solid #ccc; padding: 2px;">▼</div> <table border="1" data-bbox="746 987 1428 1229"><tr><td data-bbox="756 996 1123 1032">PowerApps Admin Center</td></tr><tr><td data-bbox="756 1055 1388 1090">Service Performance in PowerApps Analytics</td></tr><tr><td data-bbox="756 1113 1171 1149">Dynamics 365 Service Health</td></tr><tr><td data-bbox="756 1171 1219 1207">PowerApps client session details</td></tr></table>	PowerApps Admin Center	Service Performance in PowerApps Analytics	Dynamics 365 Service Health	PowerApps client session details
PowerApps Admin Center					
Service Performance in PowerApps Analytics					
Dynamics 365 Service Health					
PowerApps client session details					

Correct Answer:



Answer Area

Issue	Troubleshooting method
Artist canvas app has errors.	<ul style="list-style-type: none">PowerApp CheckerSolution CheckerSite Map validation
Application runs slowly.	<ul style="list-style-type: none">PowerApps Admin CenterService Performance in PowerApps AnalyticsDynamics 365 Service HealthPowerApps 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.



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 11

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 Customer Engagement for capturing leads
- B. a Microsoft flow that generates a new customer record in SharePoint
- C. a flow that connects with the bike fair Power Apps app to create a lead in Dynamics 365 Customer Engagement
- D. a flow to capture customer data from the bike fair Power Apps app in SharePoint and create a lead in Microsoft Teams

Correct Answer: C

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 12

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.

Hot Area:



Answer Area

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

Correct Answer:



Answer Area

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

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>



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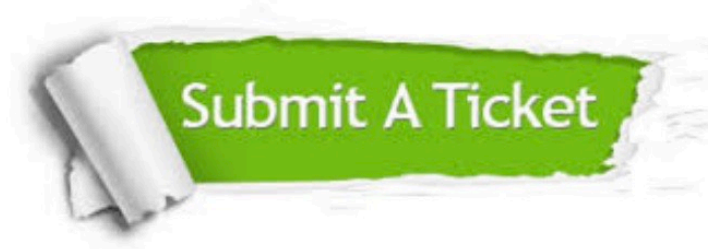
We provide exam PDF and VCE of Cisco, Microsoft, IBM, CompTIA, Oracle and other IT Certifications. You can view Vendor list of All Certification Exams offered:

<https://www.pass4itsure.com/allproducts>

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Please provide as much detail as possible so we can best assist you.

To update a previously submitted ticket:



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