

Exam Questions PL-400

Microsoft Power Platform Developer

<https://www.2passeasy.com/dumps/PL-400/>



NEW QUESTION 1

- (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 2

- (Exam Topic 1)

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

- A. Interns have the System Customizer security role but need the Environment Maker security role.
- B. Interns have the Common Data Service User security role but need the Environment Maker security role.
- C. Interns have the Environment Maker security role but need the Common Data Service User security role.
- D. Interns have the Environment Maker security role but need the System Customizer security role.
- E. Interns have the Environment Maker security role but need the Delegate security role.

Answer: D

Explanation:

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

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

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

NEW QUESTION 3

- (Exam Topic 1)

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

- A. `catch(error) { D18912E1457D5D1DDCBD40AB3BF70D5Dalert("Caught error: " + error.message);}`
- B. `Exception exception = Server.GetLastError() ; if(exception != null){}`
- C. `catch(exception e){ console.writeline(e)}`
- D. `function (error){ console.log(error.message)}`

Answer: A

Explanation:

The `catch` statement lets you handle the error. Syntax: `catch(err) {`

Block of code to handle errors

`}`

Reference: https://www.w3schools.com/js/js_errors.asp

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 2)

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

- A. A workflow in Dynamics 365 Sales Engagement for capabilities leads

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

Answer: C

Explanation:

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

Reference:

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

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)

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than once correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You are designing a one-way integration from the Common Data Service to another system.

You must use an Azure Function to update the other system. The integration must send only newly created records to the other system. The solution must support scenarios where a component of the integration is

unavailable for more than a few seconds to avoid data loss. You need to design the integration solution.

Solution: Configure the Azure Function with a timer trigger that runs every five minutes. The function will query the Common Data Service and process records created in the last five minutes.

Does the solution meet the goal?

- A. Yes
 B. No

Answer: B

Explanation:

Instead use Azure Service Bus queue solution with asynchronous communication. Reference:

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

NEW QUESTION 8

- (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/ ? =contact&

=param_1%3DSharePoint&pagetype=

- 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={00000000-0000-0000-0000-000000000000}> 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 9

- (Exam Topic 4)

You have a Common Data Service entity and a model-driven app. The model-driven app integrates with an external system. You plan to run business logic each time the model-driven app creates a record. Running business logic must not negatively affect model-driven app users. You need to implement the business logic. What should you use?

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

Answer: C

Explanation:

The asynchronous service executes long-running operations independent of the main Microsoft Dataverse core operation. This results in improved overall system performance and improved scalability.
 Reference:
<https://docs.microsoft.com/en-us/powerapps/developer/common-data-service/asynchronous-service>

NEW QUESTION 10

- (Exam Topic 4)

You are creating a business process flow for an organization's Request for Quote process. You need to ensure that the business process flow meets the company's requirements. Which components should you use? To answer, drag the appropriate components to the correct requirements. Each component may be used once, more than once, or not at all. You may need to drag the split bar between panes to scroll to view content. Select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

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

- A. Mastered
 B. Not Mastered

Answer: A

Explanation:

Box 1: Step
 Each step represents a field where data can be entered.
 Stages tell you where you are in the process, while steps are action items that lead to a desired outcome. Box 2: Branching condition
 You can enhance a business process flow with branching. If you have the create permissions on business process flows, you'll be able create business process flow with multiple branches by using the If-Else logic. Box 3: Stage
 Each stage contains a group of steps. Reference:
<https://docs.microsoft.com/en-us/power-automate/business-process-flows-overview> <https://docs.microsoft.com/en-us/power-automate/enhance-business-process-flows-branching>

NEW QUESTION 10

- (Exam Topic 4)

A company creates a custom connector to use in a flow named Search Company.

When this custom connector is used, requests must be redirected to a different endpoint at runtime. You need to apply a policy to the custom connector to route calls to a different endpoint.

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

Actions	Answer Area
Select the Search Company custom connector in the Microsoft Flow portal under Custom connectors and select edit .	
Select the Definition tab.	
Select the Security tab.	
Select New Action.	
Select References.	
Select New Policy.	
Select the Search Company custom connector in the Microsoft Flow portal under Connections and select edit .	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Step 1: Select the Search Company custom connector in the Microsoft Flow portal under Custom connectors and select edit.

Login to the Microsoft Flow portal, and on right top corner click on the settings icon and then click on custom connectors option.

Step 2: Select the Definition tab

Policy template are available only for custom connectors. To use a policy template, open Power Automate portal and either create a new custom connector or edit an existing one.

- > In the custom connector wizard, select the Definition page.
- > From the Definition page, select New Policy.
- > Etc.

Step 3: Select New Policy Reference:

<https://docs.microsoft.com/en-us/connectors/custom-connectors/policy-templates>

NEW QUESTION 14

- (Exam Topic 4)

You are building a custom application in Azure to process resumes for the HR department. The app must monitor submissions of resumes.

You need to parse the resumes and save contact and skills information into the Common Data Service. Which mechanism should you use?

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

Answer: A

Explanation:

Improve operational efficiency with a unified view of business data by creating flows that use Dataverse (Common Data Service has been renamed to Microsoft Dataverse as of November 2020).

For example, you can use Dataverse within Power Automate in these key ways:

Create a flow to import data, export data, or take action (such as sending a notification) when data changes. Instead of creating an approval loop through email, create a flow that stores approval state in an entity, and then build a custom app in which users can approve or reject items.

Reference:

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

NEW QUESTION 17

- (Exam Topic 4)

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

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

You need to create the interface for the dataset in case the mobile devices lose connection to the network. Which method should you use?

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

Answer: A

Explanation:

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

- Launching the PowerApps mobile player app offline
- Running apps while being offline
- Determine when your app is online or offline or in a metered connection by using the Connection signal object.
- Leverage existing formulas such as LoadData and SaveData for basic data storage while offline.

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

NEW QUESTION 22

- (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	Answer Area	
	Scenario	Trigger
Record creation	Choose accounts that are in the USA and send those account contacts an email.	Trigger
Record selection	Contacts that have not been modified in 60 days should no longer be in the system.	Trigger
Record deletion	An area code has been mistyped in all records.	Trigger
Record update		

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Triggers	Answer Area	
	Scenario	Trigger
Record creation	Choose accounts that are in the USA and send those account contacts an email.	Record selection
Record selection	Contacts that have not been modified in 60 days should no longer be in the system.	Record deletion
Record deletion	An area code has been mistyped in all records.	Record update
Record update		

NEW QUESTION 25

- (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.)

```
1. Entity contact = new Entity()
2. {
3.   LogicalName = "contact",
4.   KeyAttributes =
5.   {
6.     {"lastname", "Smith"},
7.     {"clientnumber", "abc123"}
8.   }
9. },
10 contact["lastname"] = "Doe";
11. UpsertRequest updcontact = new UpsertRequest ();
12. {
13.   Target = contact;
14. }
15. 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.	<input type="radio"/>	<input type="radio"/>
If the client number is an alternate key and the client number exists, the stored value of the last name is Smith.	<input type="radio"/>	<input type="radio"/>
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.	<input type="radio"/>	<input type="radio"/>
If the client number is an alternate key and the client number does not exist, the stored value of the last name is Smith.	<input type="radio"/>	<input type="radio"/>

- 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 27

- (Exam Topic 4)

A fine arts school uses a custom canvas application based on the Common Data Service (CDS) platform.

Artists experience errors on their Artist canvas app and delays when switching pages. You need to identify the root causes of these issues.

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

NOTE: Each correct selection is worth one point.

Issue	Troubleshooting method
Artist canvas app has errors.	<div> <input type="checkbox"/> PowerApp Checker <input type="checkbox"/> Solution Checker <input type="checkbox"/> Site Map validation </div>
Application runs slowly.	<div> <input type="checkbox"/> PowerApps Admin Center <input type="checkbox"/> Service Performance in PowerApps Analytics <input type="checkbox"/> Dynamics 365 Service Health <input type="checkbox"/> PowerApps client session details </div>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

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.



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>

NEW QUESTION 31

- (Exam Topic 4)

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

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

- > A set of fields to represent the package length, width, depth, and weight. The maximum value for any dimension is 100 centimeters.
- > A set of fields for time-sensitive attributes to calculate the efficiency of a delivery based on when the delivery is entered in the system and the existing custom fields: Pickup time and Delivery time.

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

NOTE: Each correct selection is worth one point.

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

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: DIFFINMINUTES(Created on, Delivery Time)

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

Box 2: Duration Reference:

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

NEW QUESTION 33

- (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:

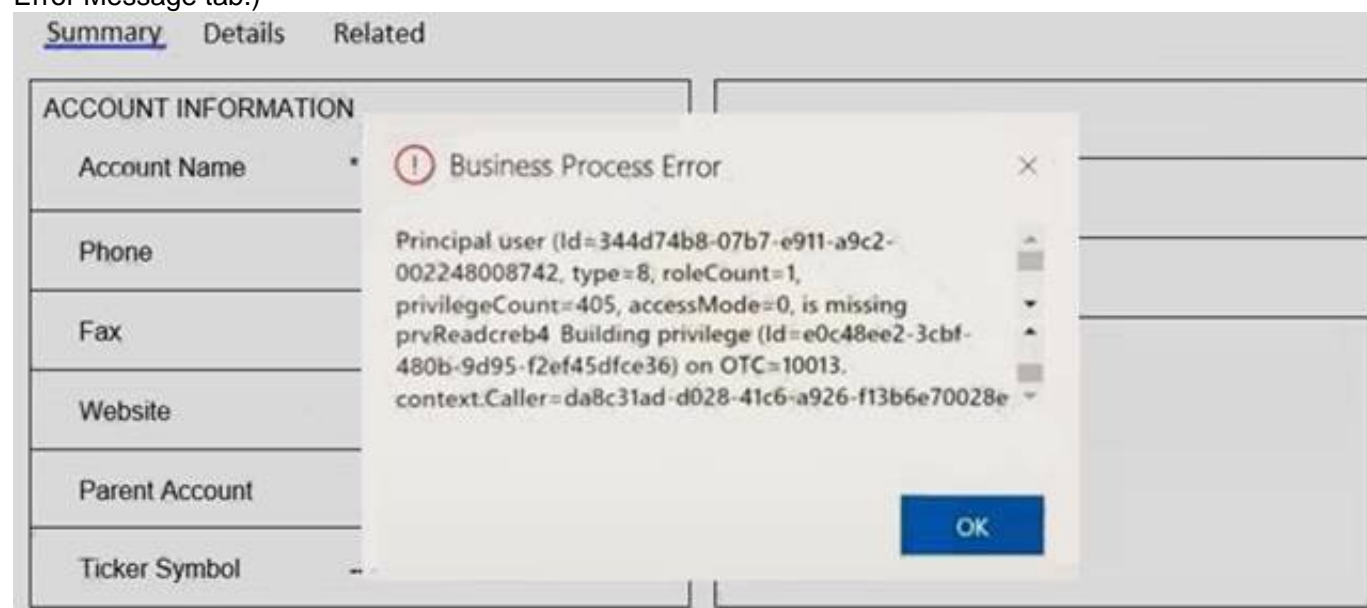
https://docs.microsoft.com/en-us/powerapps/developer/common-data-service/azure-integration

NEW QUESTION 36

- (Exam Topic 4)

You have a model-driven app that uses the Common Data Service (CDS). You create three custom entities that are in many-to-one parental relationships with the Account entity.

You run a real-time workflow that assigns an account you own to another user. You receive the error message as shown in the Error Message exhibit. (Click the Error Message tab.)



You check the security roles for the user as shown in the Manage User Roles exhibit. (Click the Manage User Roles tab.)

You also check the privileges for that role as shown in the Common Data Service User Security Role exhibit. (Click the Security Role tab.)

Entity	Create	Read	Write	Delete	Append	Append To	Assign	Share
Account								
Asset								
Building								
Job								

You need to prevent the error from recurring.

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

NOTE: Each correct selection is worth one point.

Statements	Yes	No
Changing the Append To privilege on the Account entity to Organization prevents the error from recurring.	<input type="radio"/>	<input type="radio"/>
Adding the Environment Maker role to the user prevents the error from recurring.	<input type="radio"/>	<input type="radio"/>
Adding the System Customizer role to the user prevents the error from recurring.	<input type="radio"/>	<input type="radio"/>
Setting all the privileges for the Building entity to User prevents the error from recurring.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

Box 1: No

There is a read error. Box 2: No

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

Box 3: Yes

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

Box 4: Yes

NEW QUESTION 41

- (Exam Topic 4)

A client requires that the system send an email from a button on their customer contact form. You need to call the action from JavaScript.

Which two functions achieve this result? Each correct presents a complete solution. NOTE: Each correct selection is worth one point.

- A. Xrm.WebApi.online.createRecord()
- B. Xrm.WebApi.online.updateRecord()
- C. Xrm.WebApi.online.execute()
- D. Xrm.WebApi.online.executeMultiple()

Answer: C

Explanation:

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/>

NEW QUESTION 42

- (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.

Actions

Answer Area

- Create a new field security profile
- Enable auditing in the Approval field.
- Create an access team template and define the access rights for the Opportunity entity.
- Enable change tracking for the Opportunity entity.
- Set the field permissions for the new field to enable read, update, and create, and add the sales manager as a member of the field security profile.
- Enable field security in the Approval field.
- Enable the write privilege on the Opportunity for the sales manager security role and grant the sales manager for the team the sales manager security role.



- 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 46

- (Exam Topic 4)

A developer must register a step using the Plug-in registration tool.

You need to associate the correct Event Pipeline Stage of Execution with its purpose.

Which stage should you associate with each description? To answer, drag the appropriate stages to the correct descriptions. Each stage may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Stages	Answer Area	
	Description	Stage
PreValidation	Cancel the operation before the database transaction.	Stage
PreOperation	Change any values for an entity within the database transaction.	Stage
MainOperation	Modify any properties of the message before it returns to the caller.	Stage
PostOperation		

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

The event pipeline allows you to configure when in the event the plug-in code will execute. The event pipeline is divided into the following events and stages: Box 1: PreValidation

Pre-event/Pre-Validation

This stage executes before anything else, even before basic validation if the triggering action is even allowed based on security. Therefore, it would be possible to trigger the plug-in code even without actually having permission to do so and great consideration must be used when writing a pre-validation plug-in. Also, execution in this stage might not be part of the database transaction.

Examples:- security checks being performed to verify the calling or logged on user has the correct permissions to perform the intended operation.

Box 2: PreOperation Pre-event/Pre-Operation

This stage executes after validation, but before the changes has been committed to database. This is one of the most commonly used stages.

Example uses:

If and "update" plug-in should update the same record, it is best practice to use the pre-operation stage and modify the properties. That way the plug-in update is done within same DB transaction without needing additional web service update call.

Box 3: PostOperation

Plug-ins which are to execute after the main operation. Plug-ins registered in this stage are executed within the database transaction.

This stage executed after changes have been committed to database. This is one of the most used stages. Example uses:

Most of the "Create" plugins are post-event. This allows access to the created GUID and creation of relationships to newly created record.

Reference:

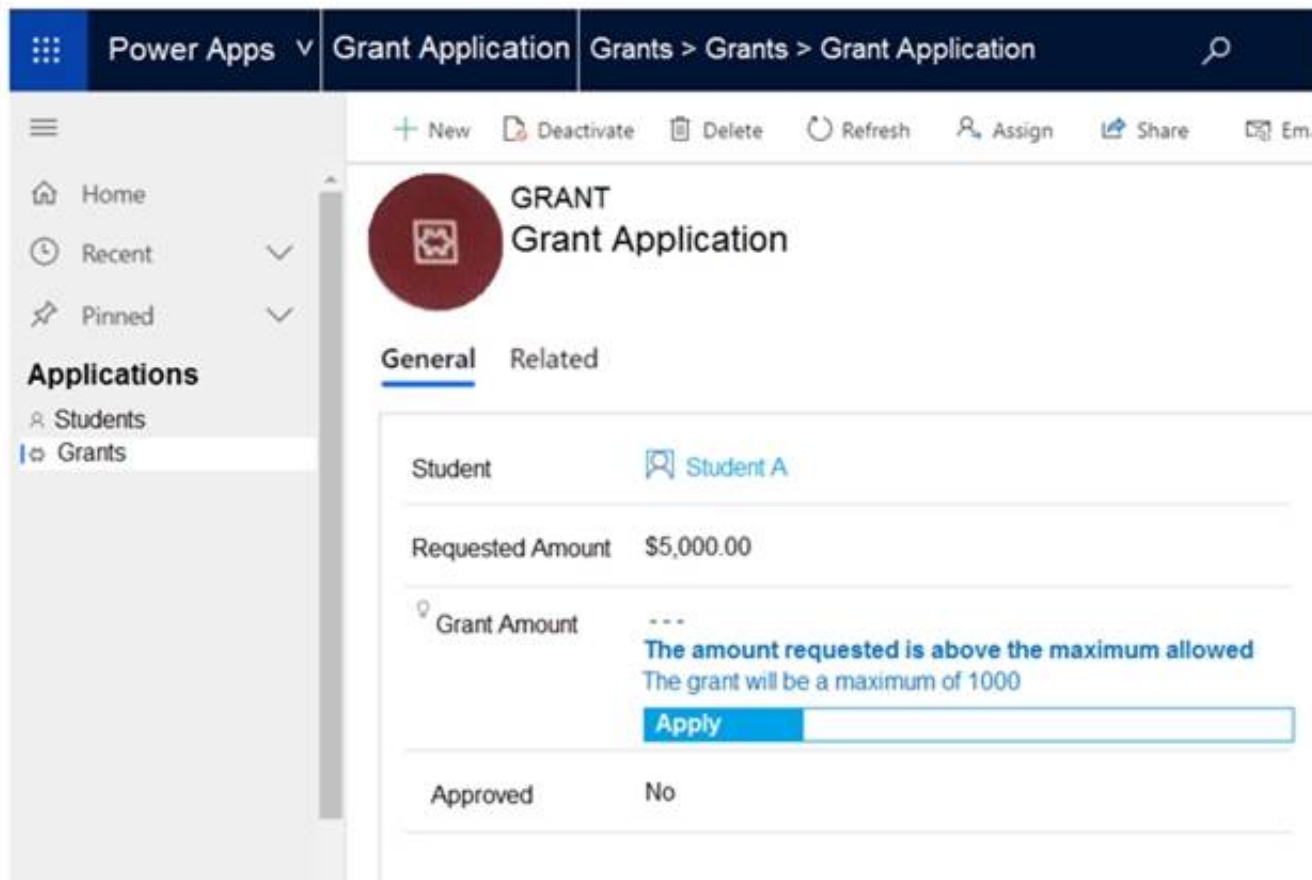
<https://community.dynamics.com/crm/f/microsoft-dynamics-crm-forum/216569/ms-crm-plugin-execution-pipeli>

NEW QUESTION 47

- (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.

Which Power Platform capability does the app use to display the message?

	▼
Business rule	
Logic app	
Flow	
Plug-in	

What should the app maker do to prevent the message from displaying?

	▼
Update the field calculation.	
Update the rollup field.	
Update the automated flow.	
Update the business rule.	

- 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 52

- (Exam Topic 4)

An organization has a Dynamics 365 Customer Engagement.

You plan to use a JavaScript web resources file in the Accounts form. The file has a dependency on two image web resource files and on the custom field new_placeofbirth in the Account entity.

You need to add the dependencies for the JavaScript file.

Which three action should you perform? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

- A. From Web Resources, select the JavaScript file for the Account form and then select the JavaScript file.
- B. Open the web resources file, add the two image web resources to the dependency's lists, and then add the custom field new_placeofbirth to the dependency's list.
- C. In the Account form, select Form Properties, select Non-Event Dependencies, and then add the customfield new_placeofbirth.
- D. In the Account form, select Form Properties and add the primary JavaScript file and the other two imageweb resources in Form Libraries.
- E. From Settings, select Customization and then select Customize the System.
- F. Select Account, select Forms, and then select the Account form.

Answer: CEF

Explanation:

<https://docs.microsoft.com/en-us/dynamics365/customerengagement/on-premises/developer/web-resource-depe>

NEW QUESTION 55

- (Exam Topic 4)

A manufacturing company uses a Common Data Service (CDS) environment to manage their parts inventory across two warehouses modeled as business units and named WH1 and WH2.

Data from the two warehouses is processed separately for each part that has its inventory quantities updates. The company must automate this process, pushing inventory updates from orders submitted to the warehouses. You need to build the automation using Power Automate flows against the CDS database. You must achieve this goal by using the least amount of administrative effort.

Which flow or flows should you recommend?

- A. Two automated flows with scope Business Unit, with triggers on Create/Update/Delete on orders.
- B. Two automated flows with scope Business Unit, with triggers on Create/Update/Delete and each flow filtering updates from each business unit.
- C. Two scheduled flows, each querying and updating the parts included in orders from each business unit.
- D. One scheduled flow, querying the parts included in orders in both business units.
- E. One automated flow, querying the orders in both business units.
- F. Two scheduled flows, each querying the orders from each business unit.
- G. Two automated flows with scope Organization, with triggers on Create/Update/Delete and filters on WH1 and WH2.
- H. Two automated flow with scope Business Unit, with triggers on Create/Update/Delete on orders and filters on WH1 and WH2.

Answer: H

Explanation:

With the Common Data Service connector, you can create Power Automate flows that are initiated by create and update events within Dataverse. Additionally, you can perform create, update, retrieve, and delete actions on records within Dataverse.

You can use scopes to determine if your flow runs if you create a new record, if a new record is created by a user within your business unit, or if a new record is created by any user in your organization.

Reference:

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

NEW QUESTION 60

- (Exam Topic 4)

A company uses Dynamics 365 Sales and the Microsoft Online Services portal. The multi-select OptionSet field data type is not supported in the portal.

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

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

NOTE: Each correct selection is worth one point.

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

    RetrieveAsIfPublished = ☐
};
```

true
false

```
var attributeResponse = (RetrieveAttributeResponse)
service.Execute(attributeRequest);
var attributeMetadata =
(EnumAttributeMetadata)attributeResponse.
```

AttributeMetadata
AttributeResponse
OptionMetadataCollection
MultiSelectPicklistAttributeMetadata

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Yes

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

- > Set this value to true to include unpublished changes, as it would look if you called publish.
- > Set this value to false to include only the currently published changes, ignoring the changes that haven't yet been published.

Box 2: AttributeMetadata

AttributeMetadata class is returned in the RetrieveAttributeResponse. Reference:

https://docs.microsoft.com/en-us/dotnet/api/microsoft.xrm.sdk.messages.retrieveattributerequest.retrieveasifpubl https://docs.microsoft.com/en-us/dotnet/api/microsoft.xrm.sdk.metadata.attributemetadata?view=dynamics-gene

NEW QUESTION 61

- (Exam Topic 4)

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

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

You need to ensure that the test and production environments are configured correctly. What should you do? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

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

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

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

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

Box 2: Assign the manager the app security role.

Box 3: Set the production environment security group to TestSG Box 4: Add all users in the department to the TestSG security group. Reference:
<https://docs.microsoft.com/en-us/powerapps/maker/model-driven-apps/share-model-driven-app>

NEW QUESTION 64

- (Exam Topic 4)

A company uses the Data Export Service (DCS) to refresh their Azure SQL Data Warehouse instance. The data warehouse is used for historical trend analysis and forecasting.

The refresh process from the Common Data Service (CDS) environment to the data warehouse has errors. Users report that data is missing.

A CDS test environment that contains DES is available to troubleshoot the import outside of the production environment. You create a new database for testing. You need to configure the test environment to point to the new database. What should you create first to access the database?

- A. A new secret in Azure Key Vault
B. A new user in the SQL database
C. A new export profile in CDS test
D. A new application registration

Answer: A

Explanation:

Because this service requires access to an external Microsoft Azure SQL Database from Dynamics 365 (online), a number of prerequisites must be satisfied before you can successfully access this service including:

➤ Global / Tenant Admin access, or an Azure Key Vault must be provisioned and the setup user must have permissions on Secrets.

Reference:

<https://blog.crgroup.com/dynamics-365-latest-feature-the-data-export-service/>

NEW QUESTION 67

- (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.

The screenshot shows the 'Security' tab of a connector configuration interface. At the top, there are tabs for '1. General', '2. Security' (selected), '3. Definition', and '4. Test'. On the right, there are buttons for 'Create connector' and 'Cancel'. The 'Security' section has a heading 'Security' and a sub-heading 'Choose the authentication type and fill in the required fields to set the security for your custom connector. Learn more'. Below this, there are two main sections: 'Authentication type' and 'API Key'. The 'Authentication type' section has a dropdown menu set to 'API Key' and an 'Edit' button. The 'API Key' section has a sub-heading 'Users will be required to provide the API Key when creating a connection' and three input fields: 'Parameter label *' (set to 'API Key'), 'Parameter name *' (set to 'API-nyckel'), and 'Parameter location *' (set to 'Header'). There is also an 'Edit' button for this section. At the bottom, there are navigation arrows for 'General' and 'Definition'.

A: If you were to create a Custom Connector from scratch, then you would have to study the API you have chosen and type in the URL manually here.

Request

+ Import from sample

Verb *

The verb describes the operations available on a single path.

GET

URL *

This is the request URL.

https://trefle.io/api/plants/{id}

Path

Path is used together with Path Templating, where the parameter value is actually part of the operation's URL.

* id ...

Query

Query parameters are appended to the URL. For example, in /items?id=####, the query parameter is id.

* token ...

Headers

These are custom headers that are part of the request.

Body

The body is the payload that's appended to the HTTP request. There can only be one body parameter.

Reference:

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

NEW QUESTION 69

- (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.

Requirement	Operation
Implement operations that do not have side effects and may support further composition	<div>▼</div> <div>Functions</div> <div>Actions</div> <div>Entities</div>
Implement operations that allow side effects, such as data modification	<div>▼</div> <div>Functions</div> <div>Actions</div> <div>Entities</div>
Implement keyless named structure types that consist of a set of properties	<div>▼</div> <div>Complex types</div> <div>Entity types</div> <div>Enumeration types</div>

- 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 70

- (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 73

- (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:

```
1. If (  
2. Connection.Connected,  
3. Path(  
4. Contacts,  
5. Defaults(Contacts),  
6. {  
7. 'First Name': DataCardValue_FirstName.Text, 'Last Name': DataCardValue_LastName.Text  
8. }  
9. );  
10. Navigate(ConfirmationScreen,ScreenTransition.Fade)  
11. ,  
12. ClearCollect(  
13. LocalRecord,  
14. {  
15. 'First Name': DataCardValue_FirstName.Text, 'Last Name': DataCardValue_LastName.Text  
16. }  
17. );  
18. SaveData(LocalRecord, "LocalRecord");  
19. Navigate(PendingScreen,ScreenTransition.Fade)  
20. )
```

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.	<input type="radio"/>	<input type="radio"/>
The collection contains all contacts not saved to CDS.	<input type="radio"/>	<input type="radio"/>
The expression updates existing contacts in CDS.	<input type="radio"/>	<input type="radio"/>
The expression handles loss of connection to CDS.	<input type="radio"/>	<input type="radio"/>

- 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 77

- (Exam Topic 4)

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

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

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

NOTE: Each correct selection is worth one point.

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

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

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

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

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

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

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

NEW QUESTION 81

- (Exam Topic 4)

An organization plans to set up a secure connector for Power Apps. The App will capture tweets from Twitters about the organization's upcoming product for sales follow-up.

You need to configure security for the app. Which authentication method should you use?

- A. OAuth
B. API key
C. Windows authentication
D. Kerberos authentication
E. Basic authentication

Answer: A

Explanation:

Configure OAuth2 provider settings for portals.

The OAuth 2.0 based external identity providers involve registering an "application" with a third-party service to obtain a "client ID" and "client secret" pair.

The supported providers are:

- Microsoft Account
- Twitter
- Facebook
- Google
- LinkedIn
- Yahoo

Reference:

<https://docs.microsoft.com/en-us/powerapps/maker/portals/configure/configure-oauth2-settings>

NEW QUESTION 84

- (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.

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 88

- (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.

Actions

- 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

Answer Area



- 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 92

- (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>
```

Dropdown 1 (constructor): Index.ts, DatePicker.css, AuditDatePicker

Dropdown 2 (type): Enum, DateandTime.DateandTime, DateandTime.DateOnly

Dropdown 3 (usage): 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 97

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