

Microsoft

PL-100

Microsoft Power Platform App Maker

QUESTION & ANSWERS

QUESTION 1

Case Study	Number of Questions	Total Question
Case Study: 1	8	1 – 8
Case Study: 2	9	9 – 17
Case Study: 3	84	18 – 101
Total		101

Case Study: 1

Wide World Importers

Background

Current environment

Sales representatives submit weekly status reports to regional managers. There is no standardized format for these status reports. The process for managing status reports is challenging.

Wide World Importers has decided to use Microsoft 365, Microsoft Azure, and Power Platform for future app development. Both Wide World Importers and Tailwind Traders have identical Microsoft SharePoint and Azure configurations. Both companies use separate tenants.

Requirements

Application

You must create a mobile app to streamline the creation of status reports by sales representatives. You must make the same app available to Tailwind Traders. The mobile app must meet the following requirements:

- Minimize the use of code.

- Use formulas and expressions when necessary.

- Support a variety of visual layouts.

- Use a SharePoint list to store information about regional managers and sales representatives.

- Use Azure SQL Database to store other data.

- Status reports

Information type	Values
Category	Pipelines, Work/life balance, Coaching/Mentoring, or Communications
Status	At Risk, Acceptable, or Great
Notes	Notes as appropriate

If a sales representative submits a status report and assigns the At Risk status to a process, the app must prompt the sales representative to enter a detailed description for the risk. This information must be emailed to the regional manager. If the category is Work/life balance, the information must be carbon copied to the human resources department.

If a sales representative does not submit a weekly status report by an agreed upon deadline, the system must send an email to remind the sales representative.

The app must be able to run both online and offline. If the mobile device on which the app runs is connected to the internet, the app must immediately submit the status report.

You must display a visual indicator in the app so that sales representatives know whether the app is offline before submitting reports.

When data is submitted offline, the data must be stored in the app until the app is back online.

Technical

Regardless of the UI layouts, the data recorded must be standardized in the Azure DB tables. You must use global variables in the app.

Deployment

Before deploying the app to production, you must ensure that the app conforms to Microsoft accessibility and performance guidelines.

The completed app and all supporting components must be provided to Tailwind Traders.

Tailwind Traders must not be able to make changes to any of the components.

You must use the following version control numbering scheme:

Major: The last two digits of the year the app is packaged

Minor: Two digits that represent the month when the app is packaged

Build: A number that is incremented to represent significant changes to the app

Revision: The incremented revision for a package

New versions of the application must completely replace previous versions of the app.

When identifying versions of the app solution, all dependencies, entities, and user interfaces components must be identified to avoid any unintentional issues caused by reverting individual components to a previous version.

Previous versions of the mobile app must be available for roll back purposes.

All versions of software that have been used in production must be retained for five years.

Issues

The mobile app has been live for several months. Eight versions of the app have been released since the initial version of the app was deployed to sales representatives. You must revert the app to an earlier version and redesign some features.

User1 often works in a warehouse that does not have internet connectivity. User1 needs to edit an existing status report and submit a new status report.

Several sales representatives have accessibility restrictions. User2 is visually impaired and cannot see images. User3 is unable to use a mouse.

Question .No 1

You need to provide the app to Tailwind Traders.

What should you do?

- A. Within Managed Properties, set the value of the Allow customizations option to true. Export the app as a managed solution.
- B. Use the Share App feature.
- C. Within Managed Properties, set the value of the Allow customizations option to false. Export the app as a managed solution.
- D. Within Managed Properties, set the value of the Allow customizations option to false. Export the app as an unmanaged solution.

Correct Answer: C

Explanation/Reference:

Scenario: The completed app and all supporting components must be provided to Tailwind Traders. Tailwind Traders must not be able to make changes to any of the components.

Managed Solution: A managed solution is a finalized solution that can be distributed and installed. They are created by exporting an unmanaged solution by setting restrictions to prevent any further customizations. The whole point of Managed is locking down the Component states so they cannot be edited. Deleting the Managed Solution will remove all its customisations as well as data contained. Managed Solutions become read only once deployed so they cannot be manipulated.
<https://powerusers.microsoft.com/t5/Power-Apps-Pro-Dev-ISV/Managed-vs-Unmanaged/td-p/495685>

QUESTION 2

You need to connect to the data source for the Job Setup app.
What should you do?

- A. Configure a scheduled synchronization with the Common Data Service database
- B. Configure SQL Server database permissions
- C. Create a stored procedure that retrieves time records for a specific employee
- D. Configure an on-premises data gateway

Correct Answer: D

Explanation/Reference:

Scenario: The Job Setup entity must store its data in the existing on-premises SQL Server instance. The on-premises data gateway acts as a bridge to provide quick and secure data transfer between onpremises data (data that isn't in the cloud) and several Microsoft cloud services. These cloud services include Power BI, Power Apps, Power Automate, Azure Analysis Services, and Azure Logic Apps. By using a gateway, organizations can keep databases and other data sources on their on-premises networks, yet securely use that on-premises data in cloud services.
<https://docs.microsoft.com/en-us/powerapps/maker/canvas-apps/gateway-reference>

QUESTION 3

You are creating an app for an organization's human resources (HR) department. You create an Employee entity in an unmanaged Common Data Service solution.
Another user creates the following Power Automate flows separately from the solution:

Flow	Description
FlowA	Send email to the HR manager when a new document is uploaded to Microsoft SharePoint.
FlowB	Send email to the HR manager after a user selects a document in Microsoft OneDrive for Business and runs the flow.
FlowC	Send email to the HR manager at 8 AM daily if new documents are uploaded in Microsoft OneDrive for Business since the previous day.
FlowD	Send email to the HR manager when a new employee record is added.

You need to incorporate the flows that can be added to the solution.

Which two flows can you include? Each correct selection presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. FlowA

- B. FlowB
- C. FlowC
- D. FlowD

Correct Answer: A,D

Explanation/Reference:

You can add any of these conditions to determine precisely when your flow is triggered.
<https://docs.microsoft.com/en-us/power-automate/connection-cds-native>

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 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 creating a canvas app.

You need to automatically detect bicycles in pictures taken with the camera.

Proposed solution:

Create an Object Detection custom model in AI Builder.

Train the model with pictures of bicycles and then publish the trained model.

Add the Object Detector control to your canvas app.

Does the solution meet the goal?

- A. Yes
- B. No

Correct Answer: A

Explanation/Reference:

To train an object detection model to recognize your objects, you have to gather images that contain those objects.

The first thing you'll do when you create an AI Builder object detection model is to define its domain.

Upload images

Then Train and publish your object detection model

The object detector component takes a photo or loads an image file to do an object detection scan. On a mobile device, the user chooses between taking a photo or selecting one already available in the device user interface. When an image is selected, the component automatically scans it to identify objects.

<https://docs.microsoft.com/en-us/ai-builder/prediction-overview>

<https://docs.microsoft.com/en-us/ai-builder/object-detector-component-in-powerapps>

QUESTION 5

A company uses Power Automate and Power Apps to streamline business processes. You need to use AI Builder to analyze customer reviews of the company's products. In which order should you perform the actions? To answer, move all actions from the list of actions to the answer area and arrange them in the correct order.

Action

Publish the model.

Connect data to the model.

Train the model.

Use the model in a Power Automate flow.

Answer Area

Correct Answer:

Action

Publish the model.

Connect data to the model.

Train the model.

Use the model in a Power Automate flow.

Answer Area

Connect data to the model.

Train the model.

Publish the model.

Use the model in a Power Automate flow.

Explanation/Reference:

Explanation:

<https://powerapps.microsoft.com/en-us/blog/introducing-simplified-ai-builder-experience-in-power-automate/>

QUESTION 6

You are creating an app for a company.

You need to evaluate the default solution.

Which two behaviors should you expect from the default solution? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. You can change the prefix of the publisher of the default solution
- B. If you create a Power Automate flow in a solution, the flow uses the prefix defined in the publisher
- C. If you create an environment variable in a solution, the variable uses the prefix defined in the publisher
- D. You can change the version number of the default solution

Correct Answer: B,D

Explanation/Reference:

The default solution in Power Apps is the Common Data Service Default Solution, which is associated with the Microsoft Dataverse Default Publisher. The default publisher prefix will be randomly assigned for this publisher, for example it might be cr8a3. This means that the name of every new item of metadata created in the default solution will have this prepended to the names used to uniquely identify the items. If you create a new entity named Animal, the unique name used by Dataverse will be cr8a3_animal. The same is true for any new fields (attributes), relationships, or option-set options. If you'll be customizing this special solution, consider changing the publisher prefix.

Incorrect Answers:

A: You can only change the prefix of unmanaged solutions.

<https://docs.microsoft.com/en-us/power-platform/alm/use-solutions-for-your-customizations>

<https://docs.microsoft.com/en-us/powerapps/maker/data-platform/create-solution>

QUESTION 7

You need to provide all app components of the application to Tailwind Traders.
What should you do?

- A. Package the application and flow components into a single solution for export.
- B. Run the app checker and flow checker prior to publishing each component for export.
- C. Export each component separately but use the same version number for each component.
- D. Publish the application and flow solutions at the same time before exporting each one.

Correct Answer: B

Explanation/Reference:

Scenario: When identifying versions of the app solution, all dependencies, entities, and user interfaces components must be identified to avoid any unintentional issues caused by reverting individual components to a previous version.

Power Apps has added components to the rule set that encourages best practices in the Power Apps Checker. You can check your canvas apps and flows that are included in solutions and then review all issues in a single, consolidated report.

<https://docs.microsoft.com/en-us/power-platform-release-plan/2019wave2/microsoft-powerapps/checker-includes-rules-canvas-apps-flows>

QUESTION 8

You are designing an app for a bank. You plan to use the following entities in the app:

Entity	Comments
Clients	Clients are assigned to a branch office
Bank accounts	A client may have multiple bank accounts. A bank account may have multiple clients as bank account owners
Branch offices	Clients are assigned to a branch office
Employees	Each employee works at only one branch office

You need to configure the relationships between the entities.

Which relationship types should you use? To answer, drag the appropriate relationship types to the correct relationships. Each source 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.

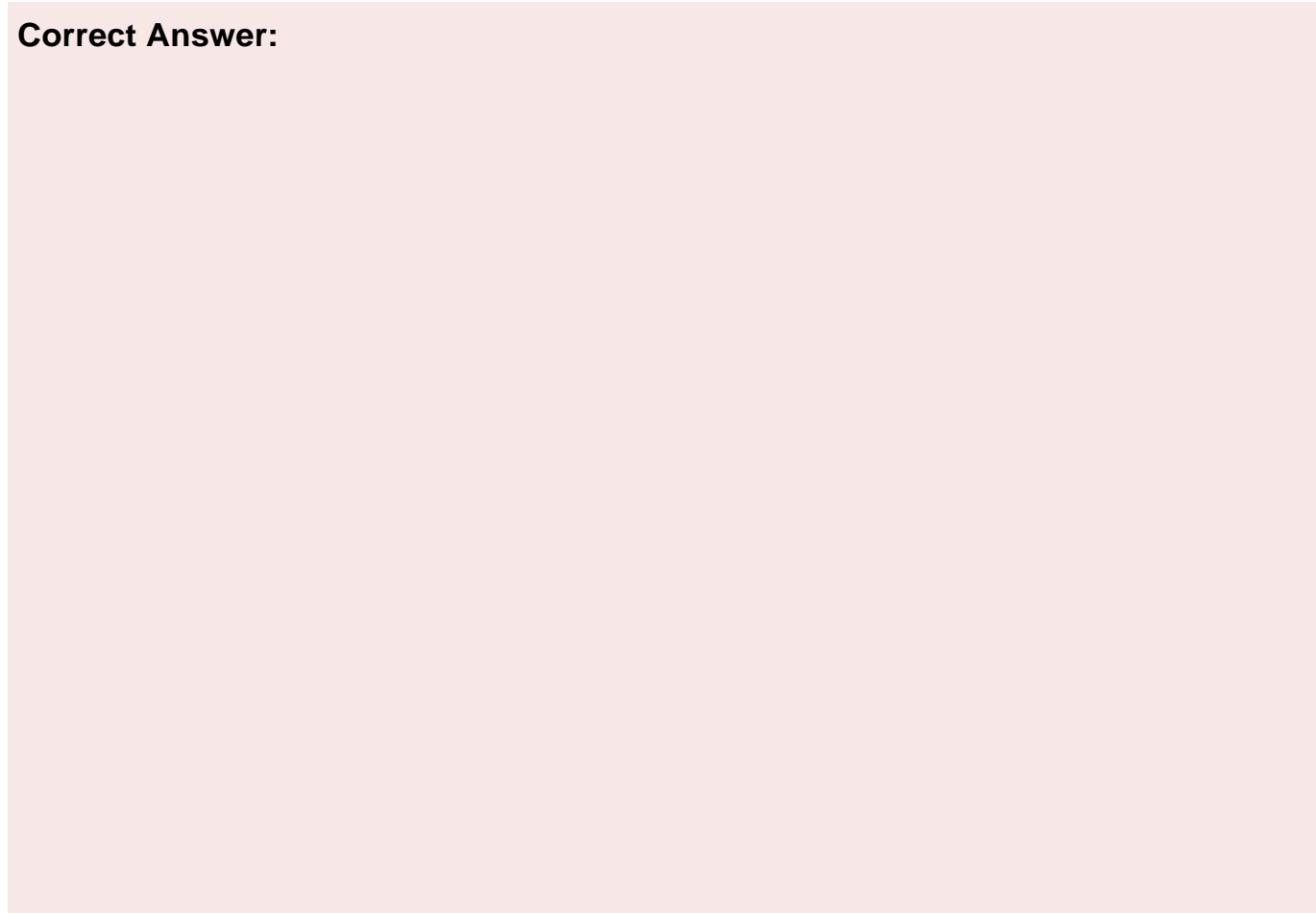
Relationship types

Answer Area

- One-to-one
- One-to-many
- Many-to-one
- Many-to-many

Relationship		
Source entity	Target entity	Relationship type
Clients	Bank accounts	Relationship type
Clients	Branch offices	Relationship type
Branch offices	Employees	Relationship type

Correct Answer:



Relationship types	Answer Area		
	Relationship		
	Source entity	Target entity	Relationship type
One-to-one			
One-to-many			
Many-to-one			
Many-to-many			
	Clients	Bank accounts	Many-to-many
	Clients	Branch offices	Many-to-one
	Branch offices	Employees	One-to-many

QUESTION 9

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.

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You build a canvas app for a manufacturing company. The company receives parts and materials from many vendors. You create a form to collect information from packing slips.

Receivers must be able to take a picture of packing slips to receive materials instead of manually entering data in the app.

You need to ensure that users can scan packing slip information into the form.

Proposed solution: Use a Category classification model.

Does the solution meet the goal?

- A. Yes
- B. No

Correct Answer: B

Explanation/Reference:

A Category classification model categorizes text by its meaning.

<https://knowledgefrommanish.com/powerplatform/ai-builder-entity-extraction-ai-model/>