



Free Microsoft AB-410 Practice Questions

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Question 1

Question Type: MultipleChoice

Case Study: Fabrikam Inc.

Overview

This is a case study. Case studies are not timed separately from other exam sections. You can use as much exam time as you would like to complete each case study. However, there might be additional case studies or other exam sections. Manage your time to ensure that you can complete all the exam sections in the time provided. Pay **attention** to the Exam **Progress** at the top of the screen so you have sufficient time to complete any exam sections that follow this case study.

To answer the case study questions, you will need to reference information that is provided in the case. Case studies and associated questions might contain exhibits or other resources that provide more information about the scenario described in the case. Information provided in an individual question does not apply to the other questions in the case study.

A Review Screen will appear at the end of this case study. From the Review Screen, you can review and change your answers before you move to the next exam section. After you leave this case study, you will NOT be able to return to it.

To start the case study

To display the first question in this case study, select the "Next" button. To the left of the question, a menu provides links to information such as business requirements, the existing environment, and problem statements. Please read through all this information before answering any questions. When you are ready to answer a question, select the "Question" button to return to the question.

Background

Fabrikam Inc. is an energy provider that operates wind and solar farms across multiple countries and regions. The company uses Microsoft Power Platform to manage asset maintenance, technician workflows, and predictive analytics.

Field technicians use canvas apps on mobile devices to capture inspection and repair data. Operations managers use model-driven apps to monitor asset performance and maintenance history.

The company plans to enhance its platform by introducing AI-driven insights, improving reuse across applications, and establishing a formal application lifecycle management (ALM) strategy.

Current environment

Applications

Field technicians use an outdated mobile app to log maintenance activities and capture asset readings in SharePoint Online.

Operations managers use a model-driven app to review maintenance records and asset performance trends.

Development practices

Developers build and modify applications directly in the production environment.

There is NO structured ALM process.

Solutions are NOT consistently used to package or deploy application components.

Reusable components are inconsistently implemented across apps, leading to duplication.

AI integration

Fabrikam Inc. plans to actively explore generative AI usage as part of the next phase of work.

Business requirement

Application development

The outdated mobile app must be replaced with a new app that supports responsive design principles, provides full control over the UI, and allows technicians to take and upload photos directly from their mobile devices.

The new app for the field technicians requires the name of the technician to be persisted on the home screen only. In addition, work orders must be displayed within a gallery.

All new apps must connect to a scalable, cloud-based relational data store.

Apps must support efficient data entry for technicians in the field.

Reusable UI elements must be implemented to reduce duplication.

AI capabilities

The company requires a generative AI solution to manage customer complaint responses and create custom inspection reports that align to an existing template.

Customer complaint responses must be generated in applications and based on emails being sent to a mailbox.

Custom AI development must be minimized.

Generative AI reusability

Generative AI solutions must accept dynamic inputs to adapt to different scenarios.

Generative AI solutions must be reusable across different Power Platform services.

Extensibility

Custom UI form components must be reusable across applications.

Use of server-side custom code must be minimized where possible.

Technical requirements

Application lifecycle management (ALM)

Separate environments must be used for development, testing, and production.

Solutions must be used to package application components, segmented based on functional areas.

Managed solutions must be deployed to the production environment.

Validation must occur before deployment to production.

Data processing

Aggregated values across related rows must be displayed for reporting.

Calculations must update automatically as new data is entered. Calculation data must be limited to a maximum length of 10.

Issues

Duplicate logic exists across multiple canvas apps.

Developers frequently overwrite changes in production.

Generative AI solutions produce inconsistent outputs due to missing or inconsistent inputs.

Maintenance metrics are not consistently calculated across related rows.

A company has a product report in PDF format. The report must be rewritten with formal vocabulary and cadence.

The company requires a prompt that can be used within a canvas app to rewrite the report as a Word document. The prompt must reference a business glossary stored in a SharePoint site.

You need to make a suggestion for the expectations portion of the prompt to generate a report summary correctly.

What should you suggest?

Options:

- A- The summary should highlight key themes, product features, and recurring feedback.
- B- Use the PDF and the business glossary stored in the SharePoint site.
- C- Format the summary as a list of bullet points, which should be clear and use short sentences.

D- Create a Microsoft Word document summary.

Answer:

A

Question 2

Question Type: MultipleChoice

A company uses Dataverse to configure derived values for sales records.

The company requires the following functionality:

Evaluate an expression by using numerical columns in the same row.

Calculate the result dynamically when accessed.

Ensure the result is NOT stored as part of the table data.

The solution must minimize use of custom code.

You need to configure the app.

What should you do?

Options:

A- Create a formula column.

B- Use a real-time workflow to update the value.

C- Use a business rule to populate the value.

D- Use a plugin to calculate.

Answer:

A

Question 3

Question Type: MultipleChoice

A company has a product report in PDF format. The report must be rewritten with formal vocabulary and cadence.

The company requires a prompt that can be used within a canvas app to rewrite the report as a Word document. The prompt must reference a business glossary stored in a SharePoint site.

You need to make a suggestion for the expectations portion of the prompt to generate a report summary correctly.

What should you suggest?

Options:

- A- The summary should highlight key themes, product features, and recurring feedback.
- B- Use the PDF and the business glossary stored in the SharePoint site.
- C- Format the summary as a list of bullet points, which should be clear and use short sentences.
- D- Create a Microsoft Word document summary.

Answer:

A

Question 4

Question Type: MultipleChoice

A company builds a canvas app to display and manipulate large datasets across multiple screens.

Users report the app takes a long time to load data when opened.

You need to optimize performance when the app is started.

What are three actions you can perform? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

Options:

- A- Move data transformation logic from the source to Power Fx.
- B- Remove data retrieval calls from the App.OnStart.
- C- Enable preloading in app settings.
- D- Use the Concurrent() function for data retrieval calls.
- E- Use the ClearCollect() function to cache data.

Answer:

B, D, E

Question 5

Question Type: MultipleChoice

A company uses a prompt to generate responses based on internal support knowledge.

The company requires the prompt to minimize generation of unsupported and incorrect information while ensuring responses remain useful.

You need to tune the prompt model settings.

How should you configure the model settings?

Options:

- A- Decrease the content moderation level.
- B- Increase the content moderation level.
- C- Decrease the temperature.
- D- Increase the temperature.

Answer:

C

Question 6

Question Type: MultipleChoice

A company is designing a Power Platform solution that includes a model-driven app used by customer service representatives to manage support cases.

The company is evaluating which solution component to include in the app.

The solution must meet the following requirements:

Users must interact with system-generated responses while working within forms and views.

Responses must reflect the current data and context in the app.

Users must remain within the app while interacting with the solution.

You need to recommend solution components for the app.

Which two components should you recommend? Each correct answer presents a complete solution. NOTE: Each correct selection is worth one point.

Options:

- A- Business rules
- B- Copilot Studio agent
- C- Smart assist
- D- App assistant agent

Answer:

B, D

Question 7

Question Type: MultipleChoice

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 on the review screen.

A company uses a model-driven app.

The company must be able to dynamically control how components of the form behave as users interact with it. The solution must modify the form in real time while the user interacts with the interface. You need to enforce client-side behavior dynamically.

Solution: Use Power Automate cloud flows to update column values.

Does the solution meet the goal?

Options:

- A- Yes
- B- No

Answer:

B

Question 8

Question Type: MultipleChoice

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 on the review screen.

A company integrates external systems into Power Automate by using cloud flows.

The company must connect to external services with different characteristics and determine whether a custom connector is required.

You need to evaluate if a custom connector is necessary to meet the requirements.

Solution: A cloud flow must retrieve data from SharePoint Online lists.

Does the solution meet the goal?

Options:

A- Yes

B- No

Answer:

B

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