Exam : PL-100

Title : Microsoft Power Platform App Maker

Vendor : Microsoft

Version : DEMO

NO.1 You need to resolve the user's issue with the time tracking app.
Which two actions should you perform? Each correct answer presents part of the solution.
NOTE: Each correct selection is worth one point.

A. Add a component to the time tracking screen for tracking total time.

B. Create a new component inside of the component library for the time tracking app.

C. Upload the component to AppSource.

D. Add the Total Time field to the screen and set the value of the field property to Rollup

Answer: A B

Explanation:
Scenario Issue: Users want to be able to see their weekly total time entered from all screens.
A component library provides a centralized and managed repository of components for reusability.
Reference:
https://docs.microsoft.com/en-us/powerapps/maker/canvas-apps/component-library
Topic 1, Contoso, Ltd
This is a case study. Case studies are not timed separately. You can use as much exam time as you would like to complete each case. However, there may be additional case studies and sections on this exam. You must manage your time to ensure that you are able to complete all questions included on this exam in the time provided.
To answer the questions included in a case study, you will need to reference information that is provided in the case study. Case studies might contain exhibits and other resources that provide more information about the scenario that is described in the case study. Each question is independent of the other questions in this case study.
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Background
Current environment
Overview
Operations for the company are managed very informally. Only a small number of long-term employees are aware of all manufacturing processes.
Accounting system and purchasing
* The company has a cloud-based ERP/accounting system and uses the General Ledger, Accounts Receivable, and Accounts Payable modules. The current system does not have any modules that handle shop floor or manufacturing planning functionality.
* Employee information is maintained only within the accounting system. Access to the information is strictly controlled due to privacy regulations and company policies.
* All purchasing of raw materials is performed based on bills of material (BOMs) generated by the engineering department when engineering prints are created.
* The corporate office uses Dynamics 365 Finance. The operations manager reports that Dynamics 365 Finance will not be implemented for the manufacturing plants for at least five years.
Manufacturing and planning

* The plant that Contoso, Ltd. acquires uses Microsoft Excel workbooks and Microsoft Word documents to track the sales pipeline, requests for quote responses, and work estimates. The documents are stored on shared network drives.
* Printed engineering drawings are sometimes accidently used across orders. This results in rework, cost over runs, and missed deliveries.
* The company uses Job Traveler documents to detail the operations that need to be performed and the materials needed for a given job number.
Sales
* Requests for quotes are currently stored in a Sales Log workbook. The workbook includes the following information:
* Customer request number
* Customer name
* Description
* Estimated value of the sale
* Status of the Request for Quote (RFQ) with the values of Won, Lost, No Bid, and Cancelled
* Names of the sales manager, salesperson, and estimator
* Name of the product line
* Date the quote was sent to the customer
* Approximate start and finish dates of the project
* Date the order was received, if won
* Job number, which is assigned if won
* The company has a formal process in place for managing estimates. Some sales quotes lack required supporting documentation including estimates for labor and materials even though a formal process is in place. The company wants to incorporate the formal process as part of an app.
* Salespeople often do not set status of RFQs in the Sales Log to Won when a sale is closed and the customer purchase order is received.
* An accurate sales pipeline and win/loss information cannot currently be reported because the close probability field in the Sales Log is being set to 100% when a sale is closed and 0% when a sale is lost.
* Setting up a folder system on the network drive by a customer had not improved the hand-off of the current version of the sales quote to manufacturing.
Requirements
Solution
You plan to create a solution that uses Microsoft Teams and Power Platform.
You must convert the Sales Log workbook to a Common Data Service database.
Each department will have a separate Teams channel. Employees must only be able to access the channel for their department. All employees and management will have read access to a general company channel. The Teams site must include the following channels:
Sales
* The Sales dashboard must reside in the Sales channel and must include information about active quotes, sales pipeline, and year-to-date sales KPIs for sales quotas by region.
* All Sales-related documents must be stored in folders in the files location for this channel.
Document versioning will be enabled. You must store the 10 most recent versions of a document.
Manufacturing
* A dashboard that shows a capacity Heat map by month as well as expected sales that are likely to close for the next month.
* A sortable listing of all in-process jobs from the Job Setup table, by customer, start date, and

product.
* Printed paper drawings must no longer be used. The drawings must be stored in folders in the files location for the manufacturing channel.
General
You must create the following apps:
Time Tracking
You must create a canvas app to track time for each employee on mobile devices. The app must include the following:
* a Sign-in screen
* a screen to list the week's time entries for the employee
* a screen to edit current time entries for the employee
The app must meet the following requirements:
* The app must store its data in the existing on-premises Microsoft SQL Server instance.
* Employees must only be able to access their own time tracking records from the app.
* Employees must record all time spent in the fabrication of each customer job.
* Employees must only be able to modify time records for the current and previous day.
* Employees must be able to scan their badges to check in and out of work. Each badge contains the employee name and a current picture.
* A QR code must be added to all employee badges. The code must include the employee's number.
* Job Traveler documents must be printed as PDF documents and must include UPC E barcodes for the job number and task number. The barcodes will be used with the time tracking application.
Sales
The Sales app must meet the following requirements:
* Provide a central location for all sales pipeline and quote information that is easily accessible and maintains all of the versions of the estimate, quote, and engineering documents.
* Include a dashboard that shows all currently active quotes, their status in the sales cycle, the probability of closing, and estimated manufacturing and installation dates, by customer, product division, status, and salesperson.
* The Sales Log app must enforce process standards related to the completion of estimates and supporting materials needed during the sales lifecycle.
* Automatically perform the following actions immediately when a sale is won:
* Generate a sequential job number.
* Copy key sales information to the Job Setup entity used by manufacturing.
* If the sale is lost, the Status field must be set to Lost and the reason for the loss must be entered into a provided text field. The reason must be added to the end of the description field.
* Ensure that employees can easily update the Sales Log even if they are at a customer site.
Manufacturing and planning
The app must meet the following requirements:
* Provides features to plan and predict capacity resource requirements for current and upcoming orders in the pipeline.
* Replace paper timesheets and track check-in, check-out, breaks, and the time spent on each job task.
* Record time elapsed while performing work and for viewing of engineering drawings.
* The Job Setup entity must store its data in the existing on-premises SQL Server instance.
* Job Traveler documents must be generated as a PDF document and printed from the Job Setup entity.

Issues
* Uses report that the customer request number is difficult to interpret. They request that you change the number to a system generated sequential number.
* The operations manager reports that users often incorrectly sign in to the time tracking app. The operations manager asks that the time tracking app display the employee's photo once they have scanned their badge.
* Users want to be able to see their weekly total time entered from all screens.
* Testers report that they can see time entries in the Time Tracker app, not just their own. Additionally, they can also edit any existing time entries.

NO.2 You need to create the solution assets.
What should you use to create the visualizations? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Dashboard visualization	Tool
Sales	Power BI Desktop only Power BI Service only Power BI Desktop or Power BI Service
Manufacturing	Power BI Desktop only Power BI Service only Power BI Desktop or Power BI Service

Answer:

Dashboard visualization	Tool
Sales	Power BI Desktop only Power BI Service only Power BI Desktop or Power BI Service
Manufacturing	Power BI Desktop only Power BI Service only Power BI Desktop or Power BI Service

Explanation:

Dashboard visualization	Tool
Sales	Power BI Desktop only Power BI Service only Power BI Desktop or Power BI Service
Manufacturing	Power BI Desktop only Power BI Service only Power BI Desktop or Power BI Service

Box 1: PowerBI Desktop
The Sales dashboard must reside in the Sales channel and must include information about active quotes, sales pipeline, and year-to-date sales KPIs for sales quotas by region.
PowerBI Desktop to support many data source.
Box 2: PowerBI Desktop or Power BI Service on
A dashboard that shows a capacity Heat map by month as well as expected sales that are likely to close for the next month.
Both support visualizations.
Reference:
https://docs.microsoft.com/en-us/power-bi/fundamentals/service-service-vs-desktop

NO.3 You need to implement the change requested by the operations manager.
Which control should you use?
BF70D5D
A. Camera
B. Shape
C. Add picture
D. Image
Answer: D
Explanation:
Scenario: The operations manager asks that the time tracking app display the employee's photo once they have scanned their badge.
Image control in Power Apps is a control that shows an image from, for example, a local file or a data source.
Reference:
https://docs.microsoft.com/en-us/powerapps/maker/canvas-apps/controls/control-image

NO.4 You need to meet the requirement for the time tracking app.
Which controls should you use? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Requirement	Solution
Automatically record the duration of work when a job number is read.	Card Rating Slider Timer
Read the employee's number into the app.	Barcode-scanner Card Image Shape
Display a photo of an employee when the employee badge is read.	Camera Card Icon Image

Answer:

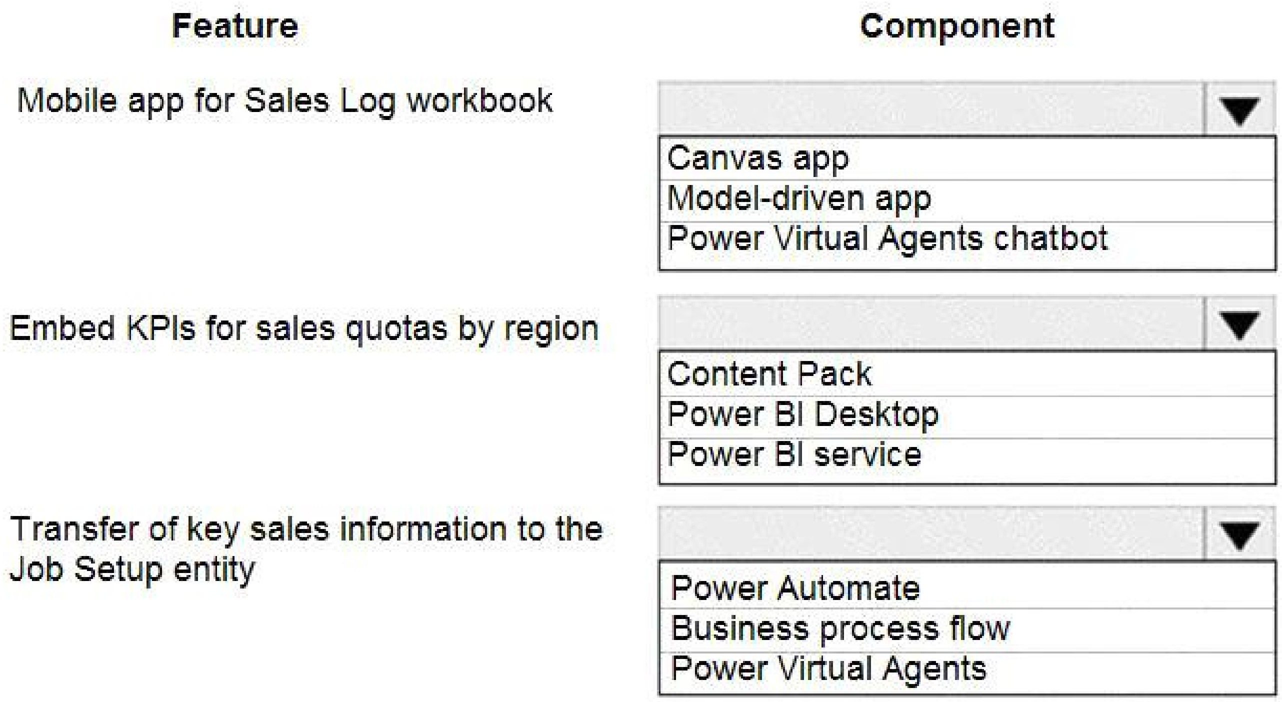
Requirement	Solution
Automatically record the duration of work when a job number is read.	Card Rating Slider Timer
Read the employee's number into the app.	Barcode-scanner Card Image Shape
Display a photo of an employee when the employee badge is read.	Camera Card Icon Image

Explanation:

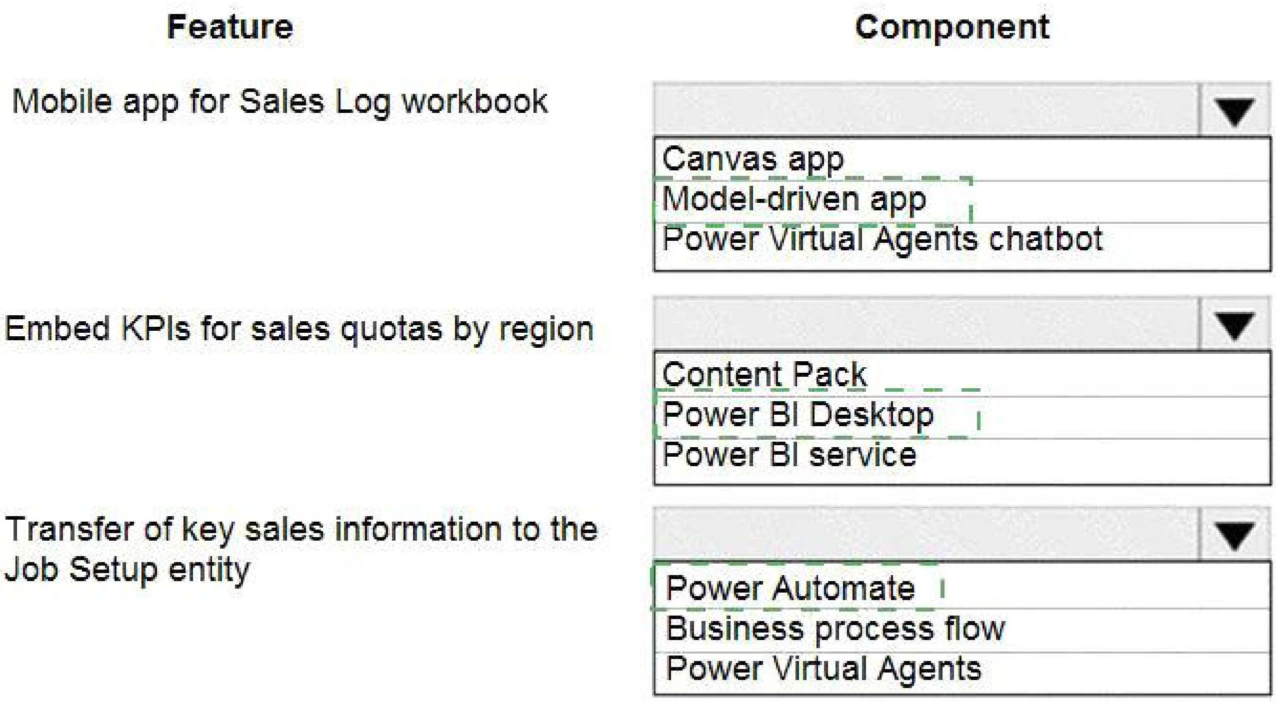
Requirement	Solution
Automatically record the duration of work when a job number is read.	Card Rating Slider Timer
Read the employee's number into the app.	Barcode-scanner Card Image Shape
Display a photo of an employee when the employee badge is read.	Camera Card Icon Image

Box 1: Timer
A Timer control in Power Apps is a control that can determine how your app responds after a certain amount of time passes.
Box 2: Barcode scanner
The Barcode scanner control for canvas apps scans barcodes, QR codes, and data-matrix codes on an Android or iOS device.
Box 3: Image
Image control in Power Apps is a control that shows an image from, for example, a local file or a data source.
If you add one or more Image controls to your app, you can show individual images that aren't part of a data set, or you can incorporate images from records in data sources.
Reference:
https://docs.microsoft.com/en-us/powerapps/maker/canvas-apps/controls/control-new-barcode-scanner
https://docs.microsoft.com/en-us/powerapps/maker/canvas-apps/controls/control-image

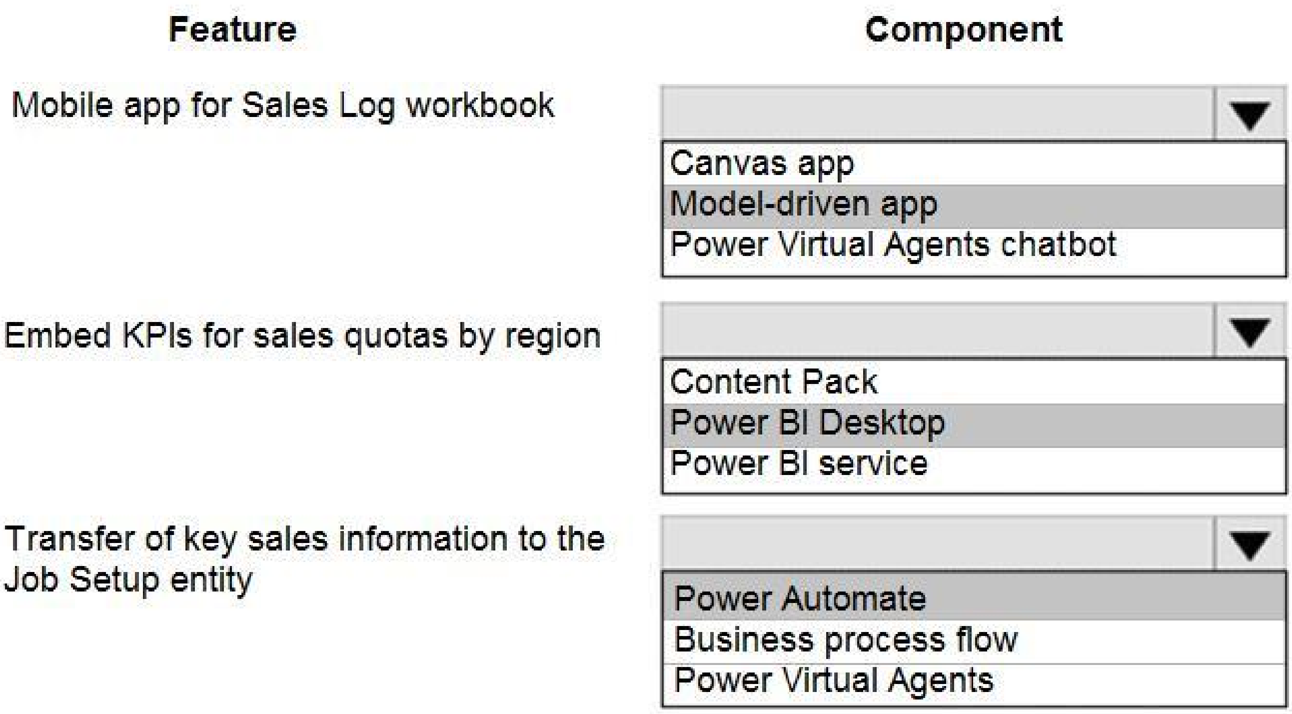
NO.5 You need to implement features for the solution.
Which Power Platform component should you use for each feature? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.



Answer:



Explanation:
Graphical user interface, text, application, email Description automatically generated

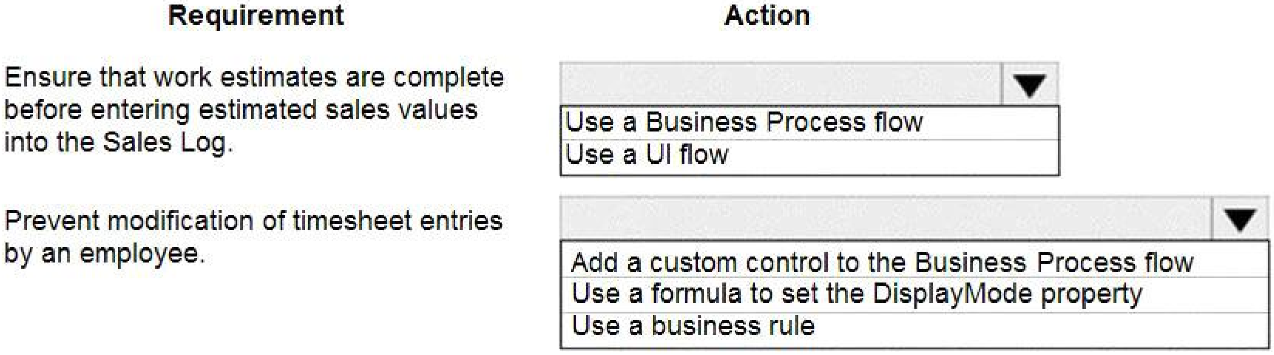


Box 1: Model-driven app
The Sales app must meet the following requirements:
* Provide a central location for all sales pipeline and quote information that is easily accessible and maintains all of the versions of the estimate, quote, and engineering documents.
Compared to canvas apps, model-driven apps in PowerApps are based on underlying data - specifically, the data stored in Common Data Service (CDS).
Box 2: Power BI Desktop
You can create a KPI in Power BI Desktop.
* Open your report editor in Power BI Desktop then select a report on which you are working.

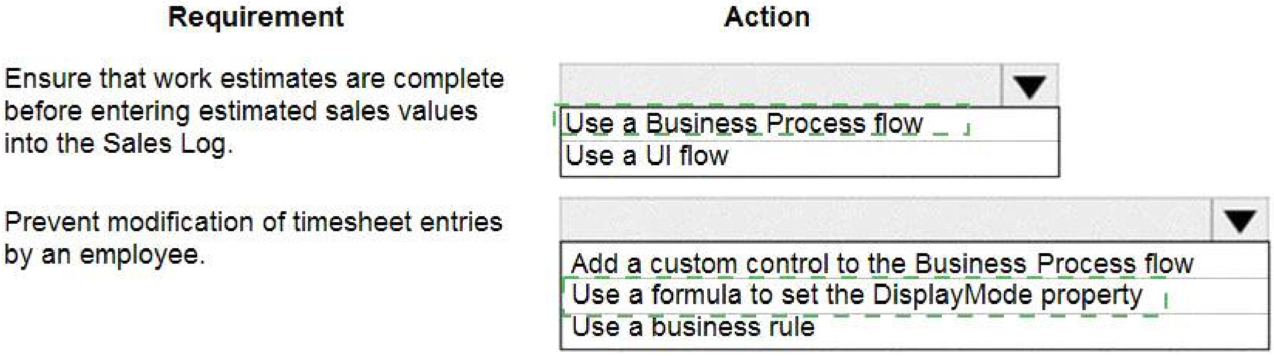
* On your right, you will see a Visualizations pane and a Fields pane.
* From the Visualizations pane, select the KPI visual.
* Etc.

Box 3: Power Automate

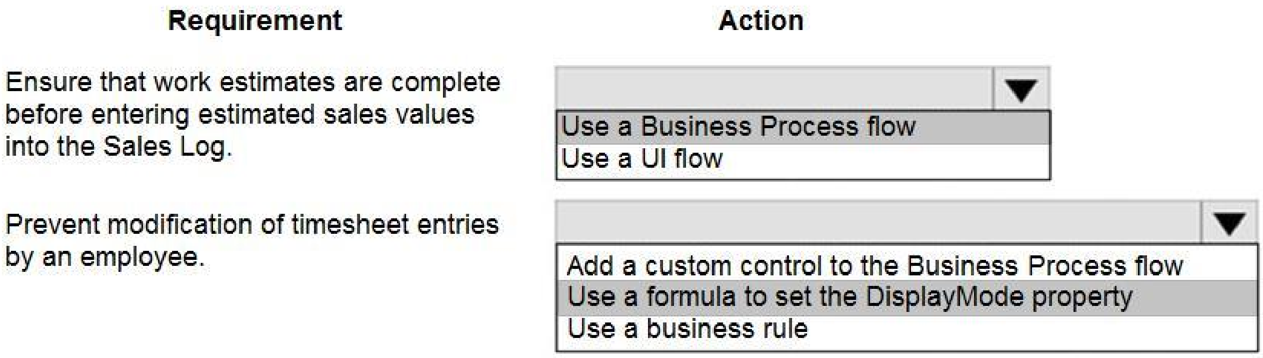
NO.6 You need to configure the system to meet the sales requirements.
What should you do? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.



Answer:



Explanation:
Graphical user interface, application Description automatically generated



Box 1: Use a Business Process flow
Scenario: The Sales Log app must enforce process standards related to the completion of estimates and supporting materials needed during the sales lifecycle.
Box 2: Use a formula to set the DisplayMode property
DisplayMode - The mode to use for data cards and controls within the form control.
Derived from the Mode property based and cannot be set independently:
Graphical user interface, text, application, email Description automatically generated

Mode	DisplayMode	Description
FormMode.Edit	DisplayMode.Edit	Data cards and controls are editable, ready to accept changes to a record.
FormMode.New	DisplayMode.Edit	Data cards and controls are editable, ready to accept a new record.
FormMode.View	DisplayMode.View	Data cards and controls are not editable and optimized for viewing.

Reference:
https://docs.microsoft.com/en-us/powerapps/maker/canvas-apps/controls/control-form-detail

NO.7 You need to modify the entity form to resolve the customer request number issue.
What should you do?
A. Use a calculated field
B. Change the data type of the customer request number field to Lookup
C. Change the data type of the customer request number field to Autonumber
Answer: C
Explanation:
Scenario: Users report that the customer request number is difficult to interpret. They request that you change the number to a system generated sequential number.
Autonumber columns are columns that automatically generate alphanumeric strings whenever they are created.
Reference:
https://docs.microsoft.com/en-us/powerapps/maker/data-platform/autonumber-fields

NO.8 You need to create a flow for moving data from the Sales Log to the Job Setup entity.
Which type of flow should you use?
A. a scheduled flow for the Job Setup entity
B. an instant (button) flow for the Sales Log
C. a business process flow for the Job Setup entity
D. an automated flow for the Sales Log
Answer: A
Explanation:
Scenario: Automatically perform the following actions immediately when a sale is won:
* Generate a sequential job number.
* Copy key sales information to the Job Setup entity used by manufacturing.

NO.9 You need to configure the system to meet the requirements.
What should you use? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Feature	Setting
Create the relationship between the Job Setup and Time Tracking entities.	1:N N:N Self-referential
Configure ownership for the Time Tracking entity.	Business-owned Organization-owned User or Team owned

Answer:

Feature	Setting
Create the relationship between the Job Setup and Time Tracking entities.	1:N N:N Self-referential
Configure ownership for the Time Tracking entity.	Business-owned Organization-owned User or Team owned

Explanation:

Feature	Setting
Create the relationship between the Job Setup and Time Tracking entities.	1:N N:N Self-referential
Configure ownership for the Time Tracking entity.	Business-owned Organization-owned User or Team owned

Box 1: 1:N
Scenario: A sortable listing of all in-process jobs from the Job Setup table, by customer, start date, and product.
Box 2: User or Team owned
Scenario: Employees must only be able to access their own time tracking records from the app.
User or team: Data belongs to a user or a team. Actions that can be performed on these records can be controlled on a user level.
Reference:
https://docs.microsoft.com/en-us/powerapps/maker/common-data-service/types-of-entities

NO.10 You need to implement logic in the app for lost sales.
What should you do?
A. Create a business process flow.
B. Define a business rule for the Sales Log edit form.
C. Set the required field property of the Won/Lost field to Required.
D. Create a formula for the Description field that uses the Update function.
Answer: B
Explanation:
Scenario: Requests for quotes are currently stored in a Sales Log workbook. The workbook includes

the following information:
* Status of the Request for Quote (RFQ) with the values of Won, Lost, No Bid, and Cancelled
Salespeople often do not set status of RFQs in the Sales Log to Won when a sale is closed and the customer purchase order is received.
You can create business rules and recommendations to apply logic and validations without writing code or creating plug-ins. Business rules provide a simple interface to implement and maintain fast-changing and commonly used rules.
Business rules defined for an entity apply to both canvas apps and model-driven apps if the entity is used in the app.
Reference:
https://docs.microsoft.com/en-us/powerapps/maker/common-data-service/data-platform-create-business-rule

NO.11 You need to resolve the issues found during testing.
Which option should you use? To answer, select the appropriate options in the answer area.
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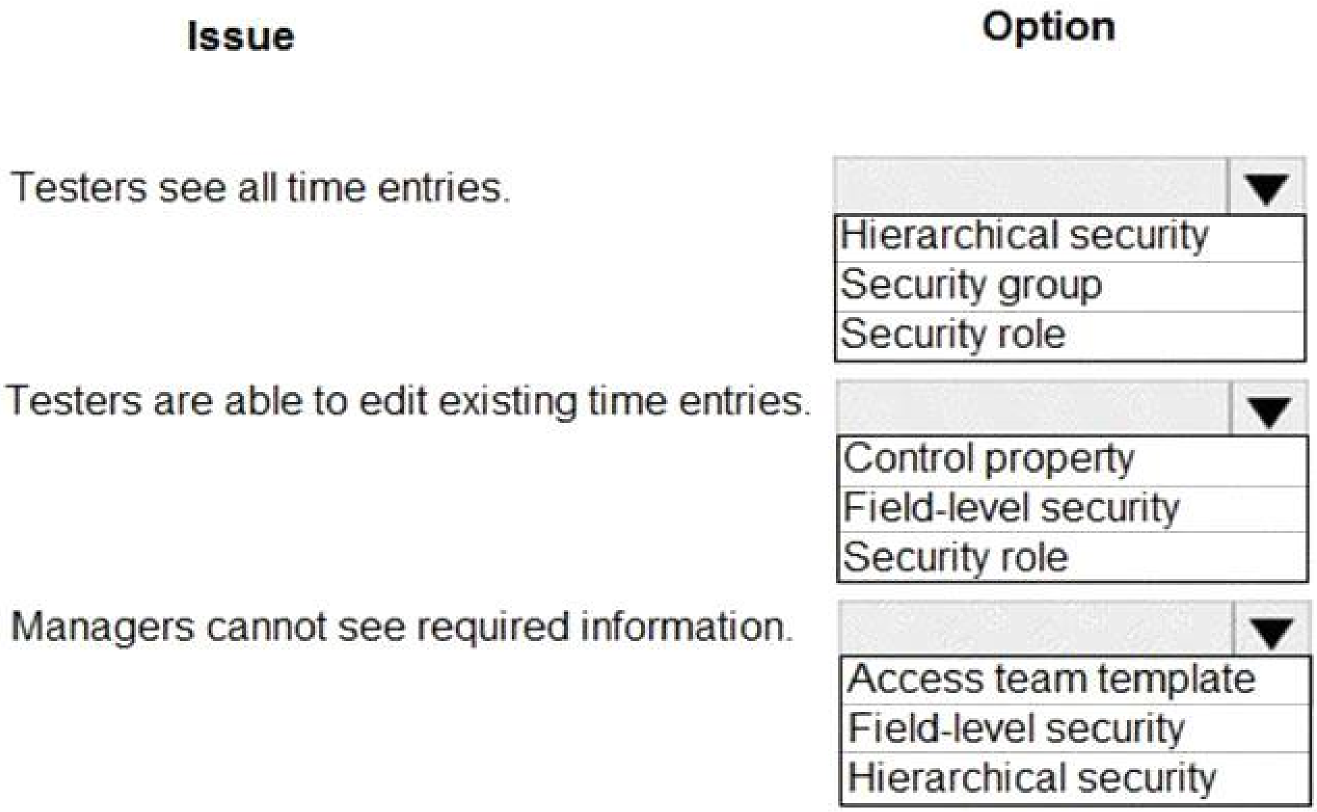
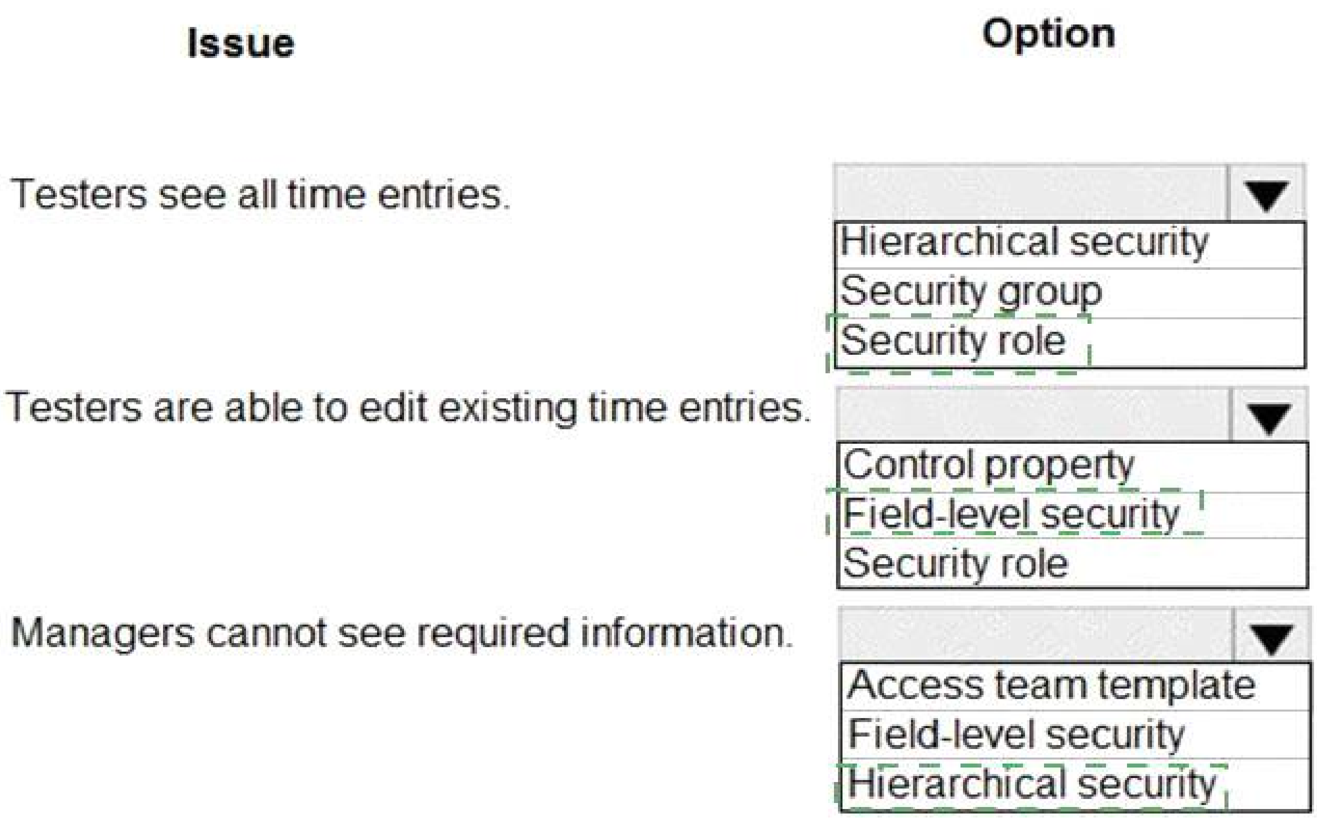


Answer:



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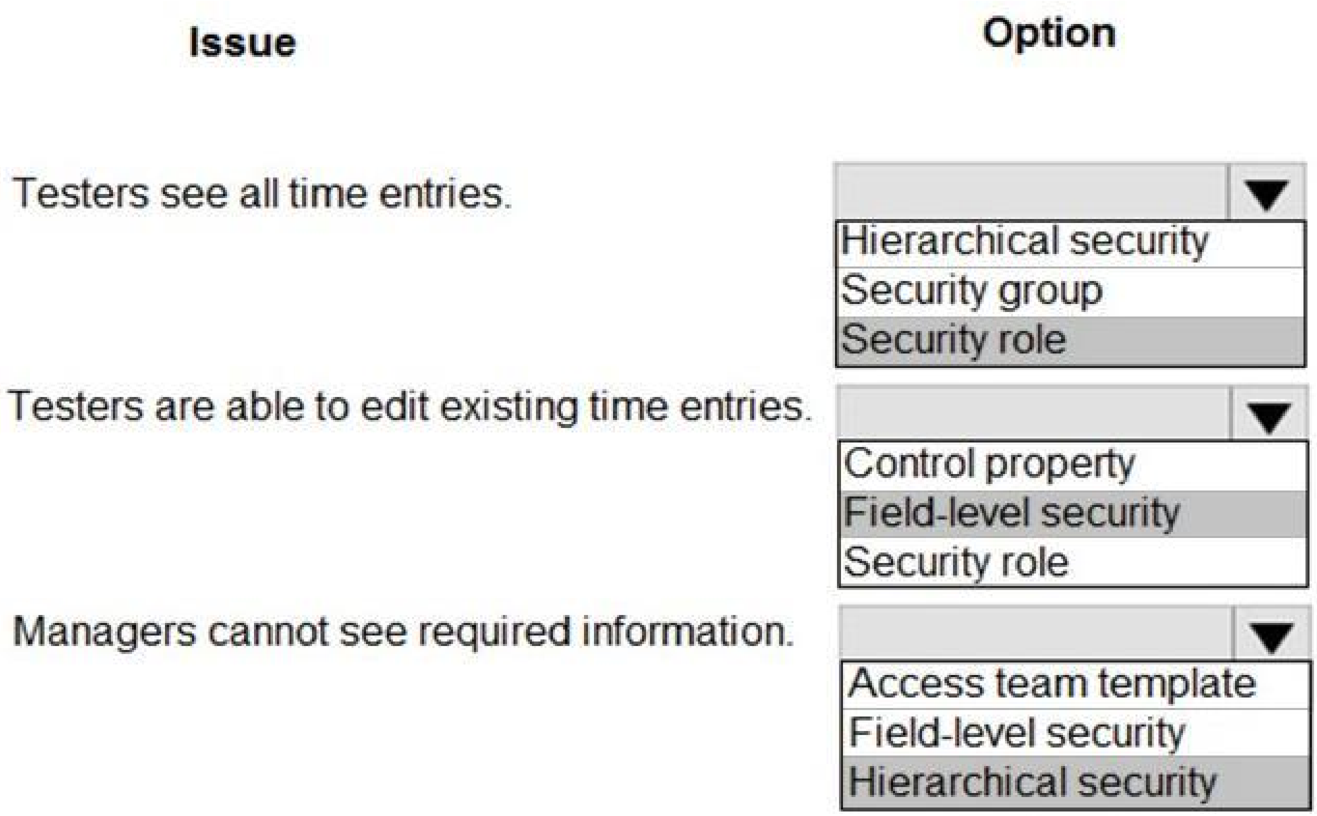

Box 1: Security role
Scenario: Employees must only be able to access their own time tracking records from the app.
Testers report that they can see time entries in the Time Tracker app, not just their own.

Box 2: Field-level security
Scenario: Employees must only be able to modify time records for the current and previous day. Testers report that they can edit any existing time entries.
Box 3: Hierarchical security
You use field security tables to apply field-level security, which restricts field access to specified users and teams.

NO.12 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
Answer: D
Explanation:
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.
Reference:
https://docs.microsoft.com/en-us/powerapps/maker/canvas-apps/gateway-reference
Topic 2, Wide World Importers
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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
Sales representatives must provide a weekly status report for all work processes each Monday. Representatives must enter the following information for each process:

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.

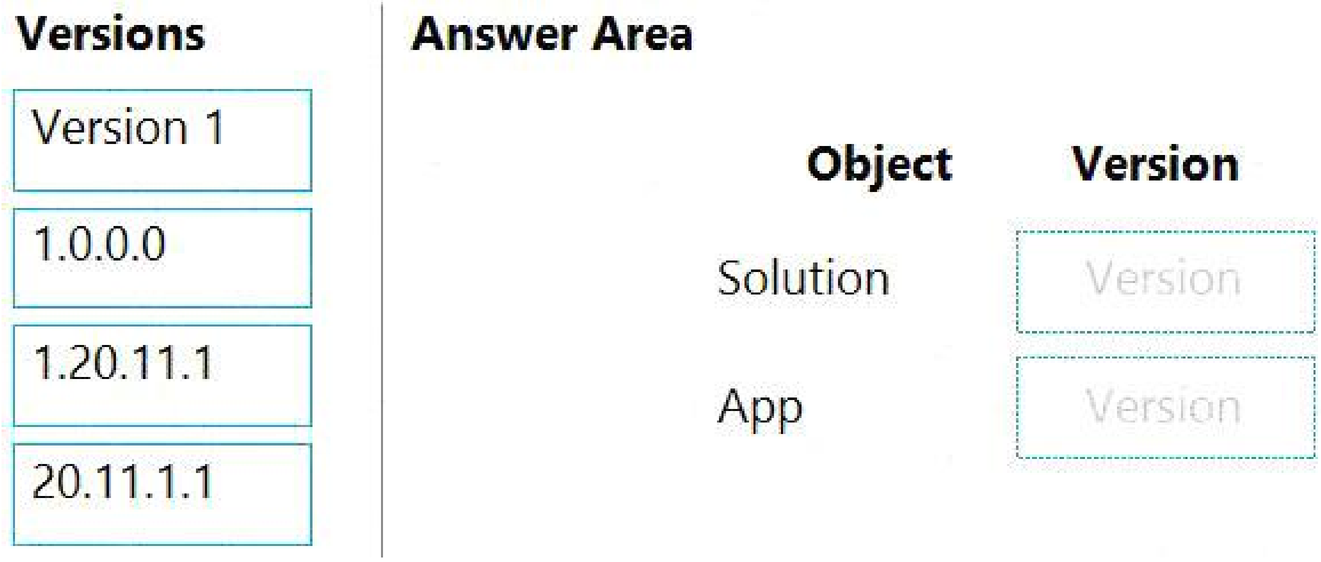
Technical
Regardless of the UI layouts, the data recorded must be standardized in the Azure DB tables. You must use global variables in the app.
Deployment
* Before deploying the app to production, you must ensure that the app conforms to Microsoft accessibility and performance guidelines.
* The completed 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.

NO.13 You need to create the mobile app.
Which type of app should you create?
A. model-driven app
B. portal app
C. Microsoft 365 web app
D. canvas app
Answer: D
Explanation:
An accessible canvas app will allow users with vision, hearing, and other impairments to successfully use the app. In addition to being a requirement for many governments and organizations, following the below guidelines increases usability for all users, regardless of their abilities.
Reference:
https://docs.microsoft.com/en-us/powerapps/maker/canvas-apps/accessible-apps

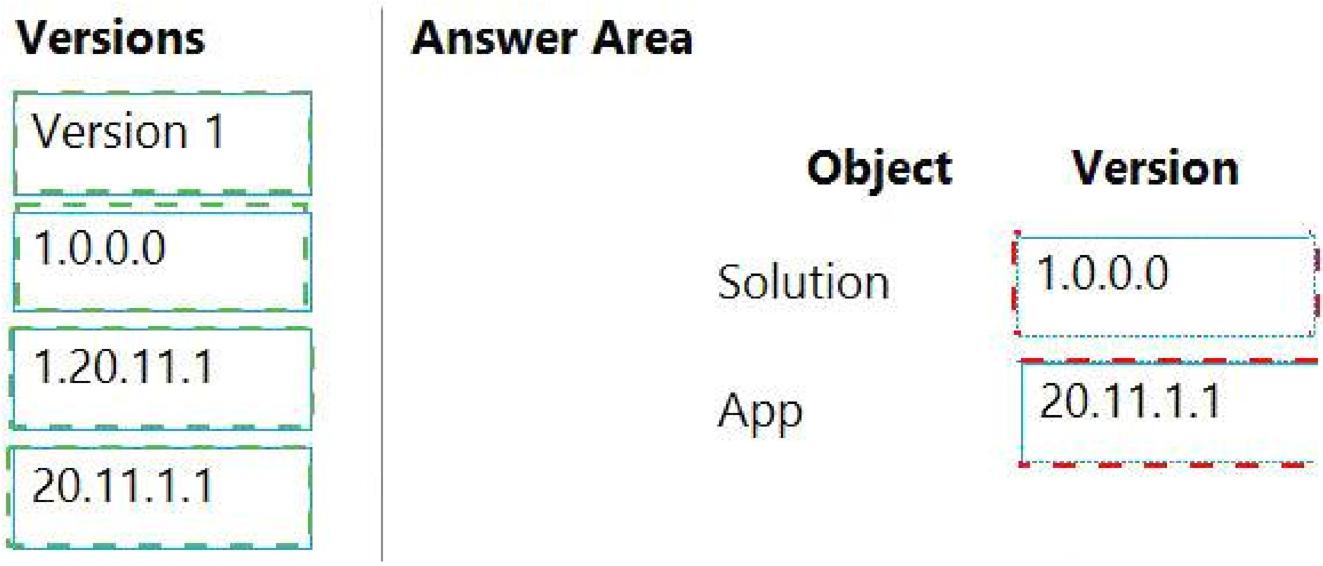
NO.14 You need to configure functionality for submitting status reports.
What should you do?
A. Determine whether the application is offline when a user selects submit button and call the Sec ()

function.
B. Determine whether the application is offline when the app loads. Use the SaveDaca () function in the OnSelect property.
C. Determine whether the application is offline when a user selects the submit button and call the SaveDaca () function.
D. Determine whether the application is offline when the app loads. Use the LoadDaca () function in the Submit button.
Answer: C
Explanation:
Scenario: 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.
When data is submitted offline, the data must be stored in the app until the app is back online.
Mobile users often need to be productive even when they have limited or no connectivity.
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.
The SaveData function stores a collection for later use under a name.
The LoadData function reloads a collection by name that was previously saved with SaveData. You can't use this function to load a collection from another source.
Reference:
https://docs.microsoft.com/en-us/powerapps/maker/canvas-apps/functions/function-savedata-loaddata

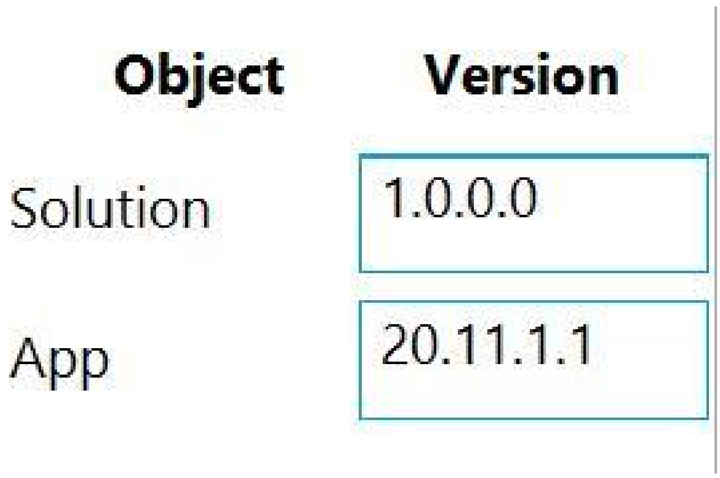
NO.15 You publish the first version of the app and solution on November 1, 2020.
You need to create the version numbers for the app and the solution.
Which version numbers should you use? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.



Answer:



Explanation:



Box 1: 1.0.0.0
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.
A solution's version has the following format: major.minor.build.revision. An update must have a higher major, minor, build or revision number than the parent solution. For example, for a base solution version
3.1.5.7, a small update could be a version 3.1.5.8 or a slightly more signficant update could have version
3.1.7.0. A substantially more significant update could be version 3.2.0.0.
Box 2: 20.11.1.1
Scenario:
* 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.
Reference:
https://docs.microsoft.com/en-us/powerapps/maker/common-data-service/update-solutions

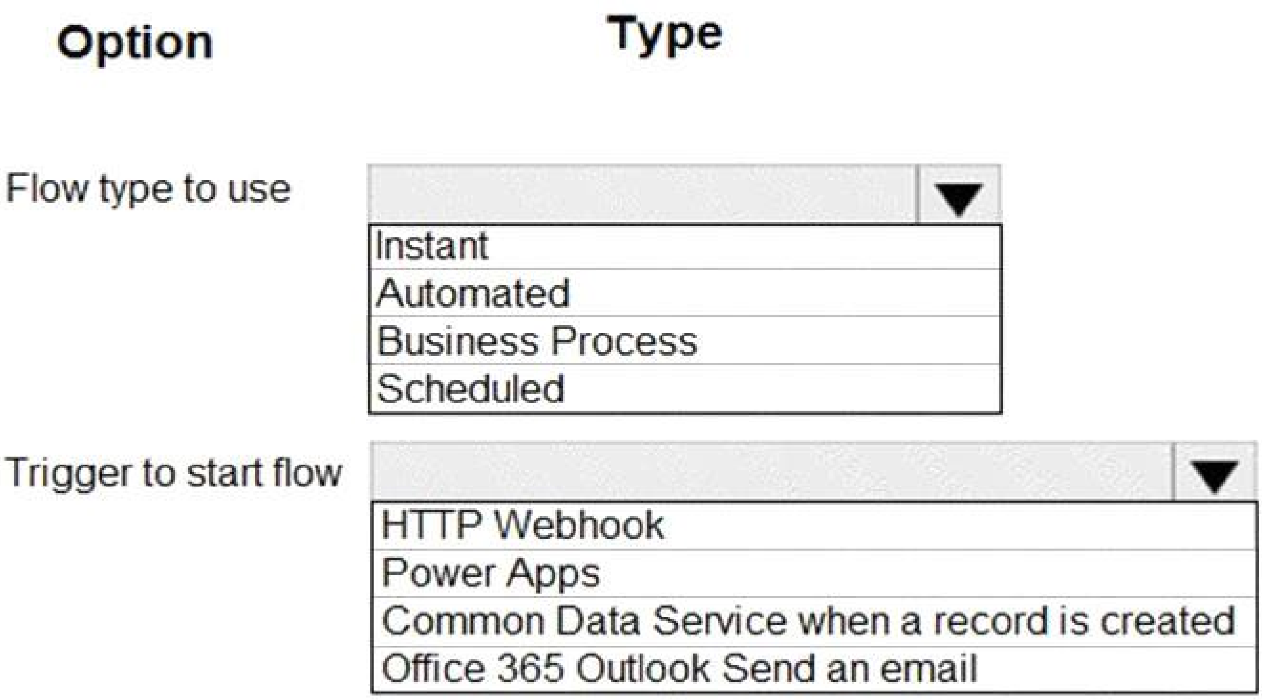
NO.16 You need to provide all app components of the application to Tailwind Traders.
What should you do?

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.

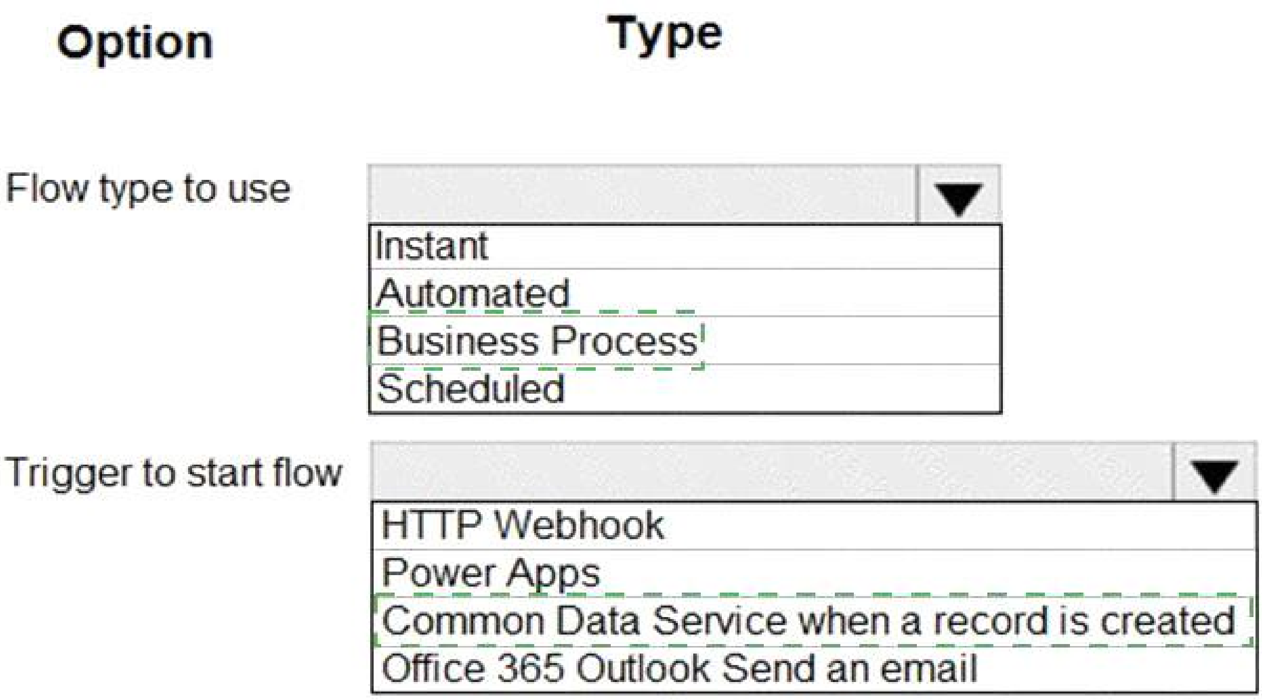
Answer: B

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

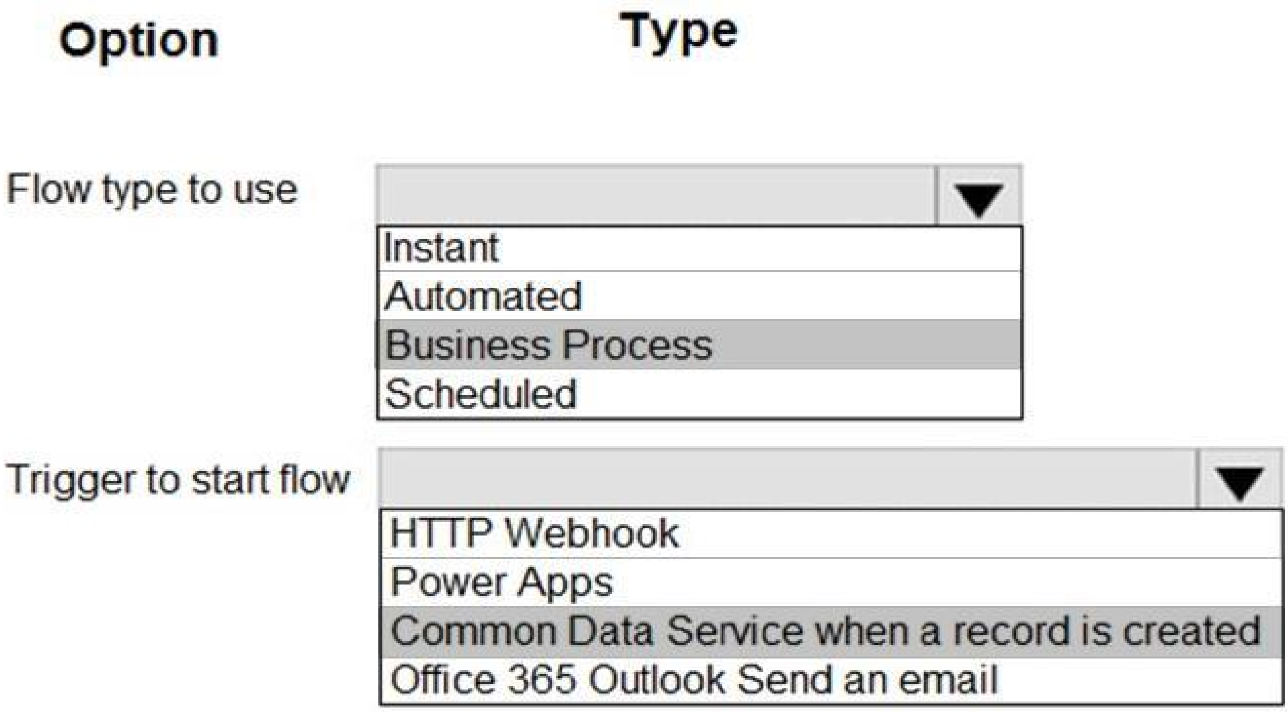
NO.17 You need to create a flow for sending required emails to the regional manager.
How should you create the flow? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.



Answer:



Explanation:
Graphical user interface, text, application, email Description automatically generated



Box 1: Business Process
Scenario: 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.
Business process flows provide a guide for people to get work done. They provide a streamlined user experience that leads people through the processes their organization has defined for interactions that need to be advanced to a conclusion of some kind. This user experience can be tailored so that people with different security roles can have an experience that best suits the work they do.
Box 2: Common Data Service when a record is created

The Microsoft Dataverse (Common Data Service) connector provides the following triggers to help you define when your flows start:
* When a row is created, updated, or deleted
* When an action is performed
* When a flow step is run from a business process flow
Reference:
https://docs.microsoft.com/en-us/power-automate/flow-types
https://docs.microsoft.com/en-us/power-automate/dataverse/overview

NO.18 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.
Answer: C
Explanation:
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.
Reference:
https://powerusers.microsoft.com/t5/Power-Apps-Pro-Dev-ISV/Managed-vs-Unmanaged/td-p/495685

NO.19 You need to configure the app to meet the requirements.
Which object properties should you configure? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Requirement	Property
Provide a visual indicator when the app is offline.	Visible OnSelect DisplayMode Fill
Store data when the app is offline.	OnSelect LoadData SubmitForm Now

Answer:

Requirement	Property
Provide a visual indicator when the app is offline.	Visible OnSelect DisplayMode Fill
Store data when the app is offline.	OnSelect LoadData SubmitForm Now

Explanation:

Requirement	Property
Provide a visual indicator when the app is offline.	Visible OnSelect DisplayMode Fill
Store data when the app is offline.	OnSelect LoadData SubmitForm Now

Box 1: Fill
Scenario: You must display a visual indicator in the app so that sales representatives know whether the app is offline before submitting reports.
Fill - The background color of a control.
Reference:
https://docs.microsoft.com/en-us/powerapps/maker/canvas-apps/controls/control-screen
https://docs.microsoft.com/en-us/powerapps/maker/canvas-apps/functions/function-form

NO.20 You need to resolve the issue for User1.
What should you use? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Requirement	Option
Submit a status report.	Dynamics 365 mobile app Power Apps Studio Power Apps mobile app Azure mobile app
Edit an existing status report.	Azure SQL Database Connector SQL Lite DB Collections

Answer:

Requirement	Option
Submit a status report.	Dynamics 365 mobile app Power Apps Studio Power Apps mobile app Azure mobile app
Edit an existing status report.	Azure SQL Database Connector SQL Lite DB Collections

Explanation:
Graphical user interface, text, application Description automatically generated

Requirement	Option
Submit a status report.	Dynamics 365 mobile app Power Apps Studio Power Apps mobile app Azure mobile app
Edit an existing status report.	Azure SQL Database Connector SQL Lite DB Collections

Box 1: Power Apps mobile app
Scenario:
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.
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 can build offline capabilities in your PowerApps app so your app users can access some data or save some data even when they don't have an internet connection.
Box 2: Connector
Scenario: Azure SQL Database is used to store other data
Use the SQL Server connector to connect to SQL Server, in either Azure or an on-premises database, so that you can manage your data with create, read, update, and delete operations.
Reference:
https://powerapps.microsoft.com/en-us/blog/implementing-offline-capability-in-your-app/

NO.21 You need to ensure that the app can support the needs of User2 and User3, and meets the production deployment requirements.
Which tools should you use? To answer, select the appropriate tool in the answer area.
NOTE: Each correct selection is worth one point.

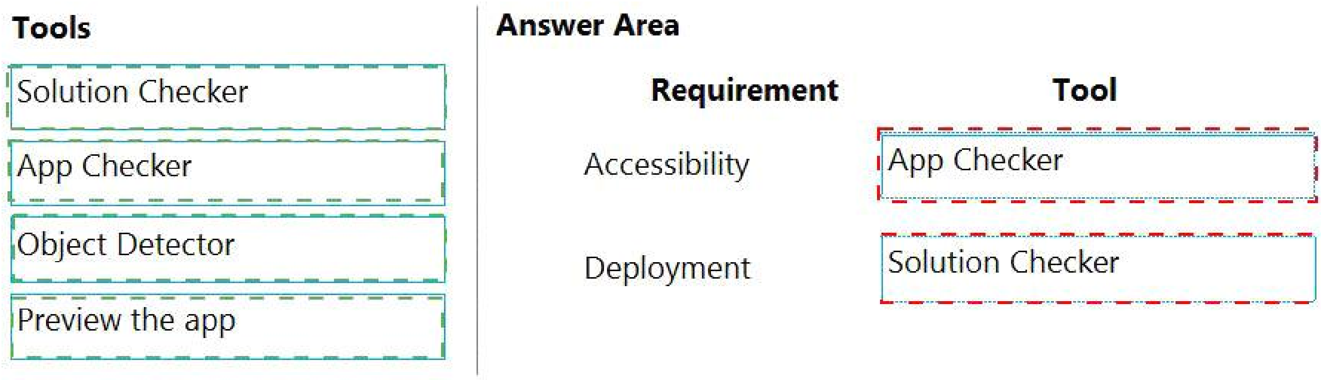
Tools

- Solution Checker
- App Checker
- Object Detector
- Preview the app

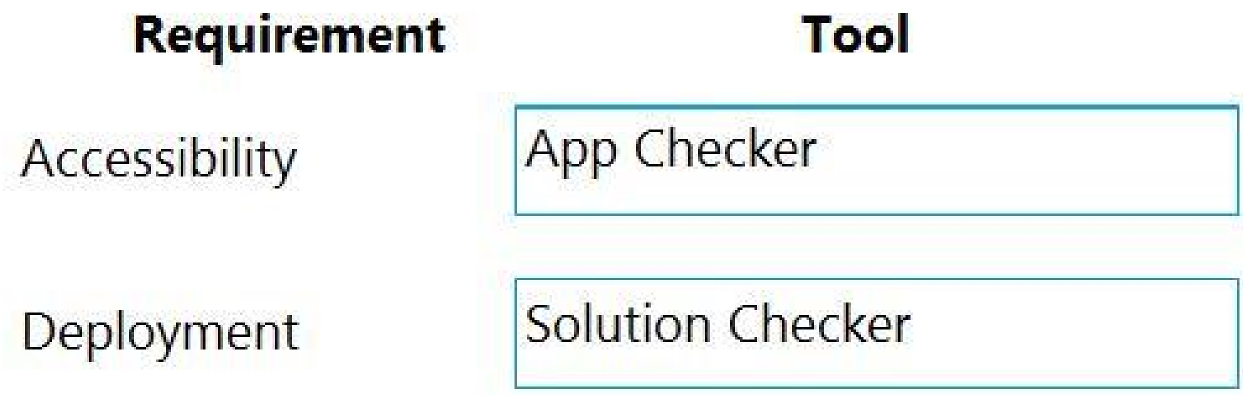
Answer Area

Requirement	Tool
Accessibility	Tool
Deployment	Tool

Answer:



Explanation:



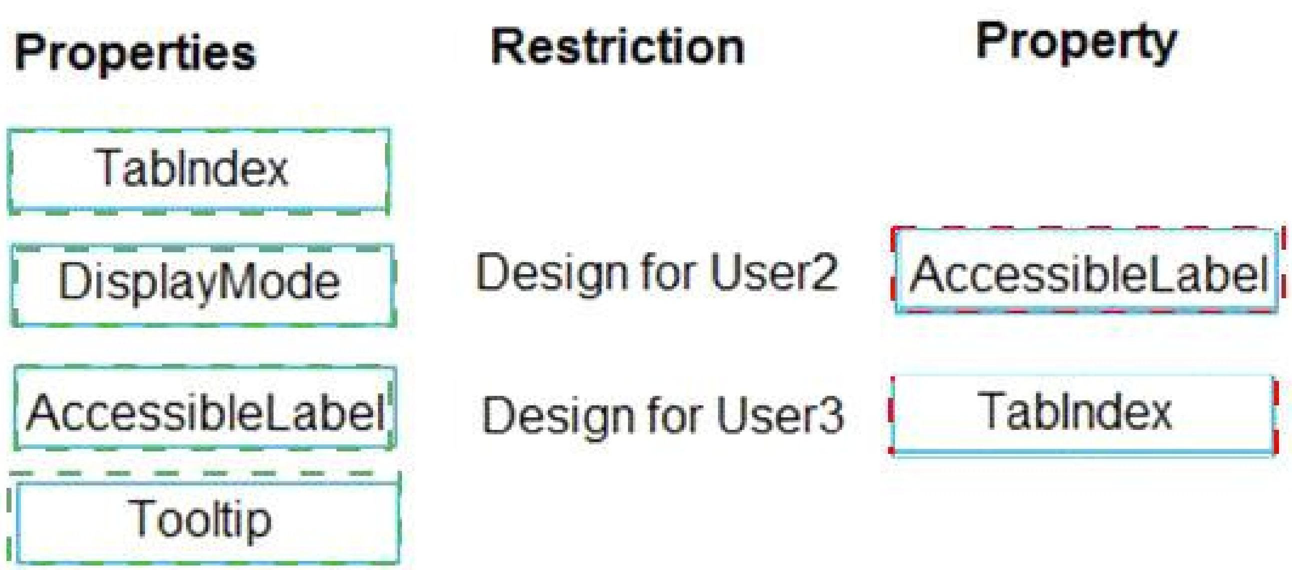
Box 1: App Checker
Scenario: Several sales representatives have accessibility restrictions. User2 is visually impaired and cannot see images. User3 is unable to use a mouse.
Users who have vision, hearing, or other impairments can use your canvas app more easily and successfully if you consider accessibility as you design how the app looks and behaves. If you're not sure how to make your app more accessible, you can run the AppChecker Accessibility checker in Power Apps Studio.
Box 2: Solution Checker
Scenario: Before deploying the app to production, you must ensure that the app conforms to Microsoft accessibility and performance guidelines.
Use solution checker to validate your model-driven apps in Power Apps.
Reference:
https://docs.microsoft.com/en-us/powerapps/maker/canvas-apps/accessibility-checker
https://docs.microsoft.com/en-us/powerapps/maker/common-data-service/use-powerapps-checker

NO.22 You need to meet the requirements for sales representative that submit status reports.
How should you configure the flow?
A. Add a parallel branch that uses the value of a dynamic content variable
B. Add a number functions action that evaluates the risk value by using a static variable to determine if an email is required
C. Add a condition that evaluates the risk value by using a dynamic content variable
D. Add a data operation action that evaluates a dynamic content variable
Answer: C
Explanation:

Salespeople often do not set status of RFQs in the Sales Log to Won when a sale is closed and the customer purchase order is received.
Include a dashboard that shows all currently active quotes, their status in the sales cycle, the probability of closing, and estimated manufacturing and installation dates, by customer, product division, status, and salesperson.

NO.23 You need to modify the app design to meet the accessibility needs of the sales associates.
Which properties should you configure? To answer, drag the appropriate properties to the correct restrictions.
Each property 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.

Answer:



Explanation:
Graphical user interface, text, application Description automatically generated

Restriction	Property
Design for User2	AccessibleLabel
Design for User3	TabIndex

Box 1: AccessibleLabel
Scenario: Before deploying the app to production, you must ensure that the app conforms to Microsoft accessibility and performance guidelines.
User2 is visually impaired and cannot see images.
AccessibleLabel is a label for screen readers.
An empty value for Image, Icon, and Shape controls will hide the controls from screen reader users.
Box 2: TabIndex
User3 is unable to use a mouse.
TabIndex determines if the control participates in keyboard navigation.
Keyboard navigation is an important aspect of any app. For many, the keyboard is more efficient than using touch or a mouse. The navigation order should:
Mirror what is seen visually.
Only have a tab stop at controls that are interactive.
Follow either an intuitive across and then down "Z" order or a down and then across "reverse-N" order.

NO.24 You need to roll back the mobile app to an earlier version.
What should you do? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Requirement	Action
Identify the currently published version and view version notes.	View the session details page for the app in Power Apps Studio. View environment details for the app in the Power Admin portal. View details for the app in the Power Apps Maker portal.
Revert to an earlier version of the app.	Select Restore on the previous version of the app. Export the previous version of the app and import as a new version. Delete versions of the app until the desired version is the most recent.

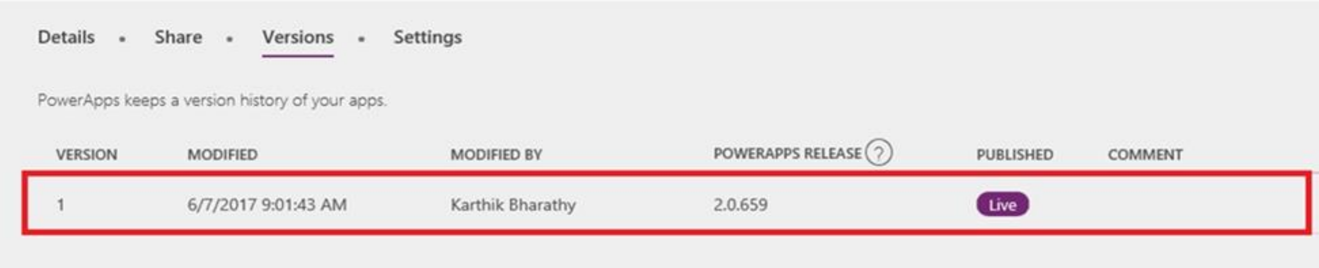
Answer:

Requirement	Action
Identify the currently published version and view version notes.	View the session details page for the app in Power Apps Studio. View environment details for the app in the Power Admin portal. View details for the app in the Power Apps Maker portal.
Revert to an earlier version of the app.	Select Restore on the previous version of the app. Export the previous version of the app and import as a new version. Delete versions of the app until the desired version is the most recent.

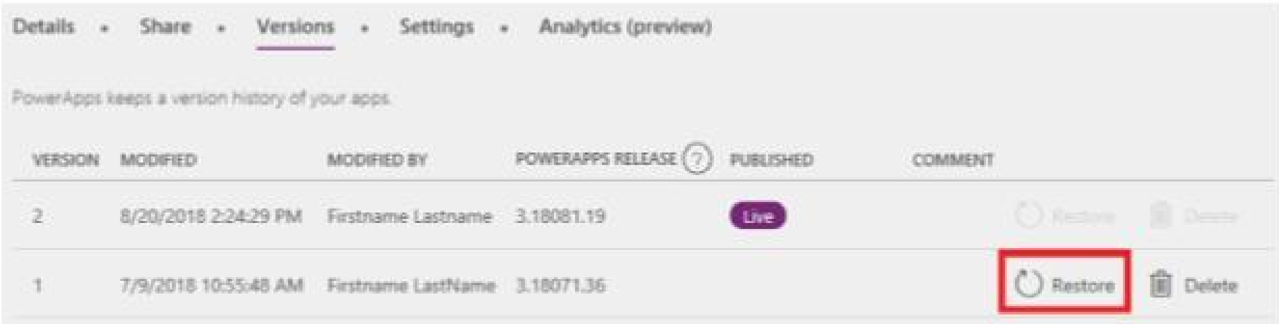
Explanation:

Requirement	Action
Identify the currently published version and view version notes.	View the session details page for the app in Power Apps Studio. View environment details for the app in the Power Admin portal. View details for the app in the Power Apps Maker portal.
Revert to an earlier version of the app.	Select Restore on the previous version of the app. Export the previous version of the app and import as a new version. Delete versions of the app until the desired version is the most recent.

Box 1: View the sessions details page for the app in Power Apps Studio
Use PowerApps Studio, select the App, and choose and you will be directed to the app's Versions tab in PowerApps portal. There should be one version marked Live.



Box 2: Select Restore on the previous version of the app.
Restore an app from your account
* Open powerapps.com, and then click or tap Apps in the left navigation bar.
* Near the right edge, click or tap the info icon for the app that you want to restore.
* Click or tap the Versions tab, and then click or tap Restore for the version that you want to restore.

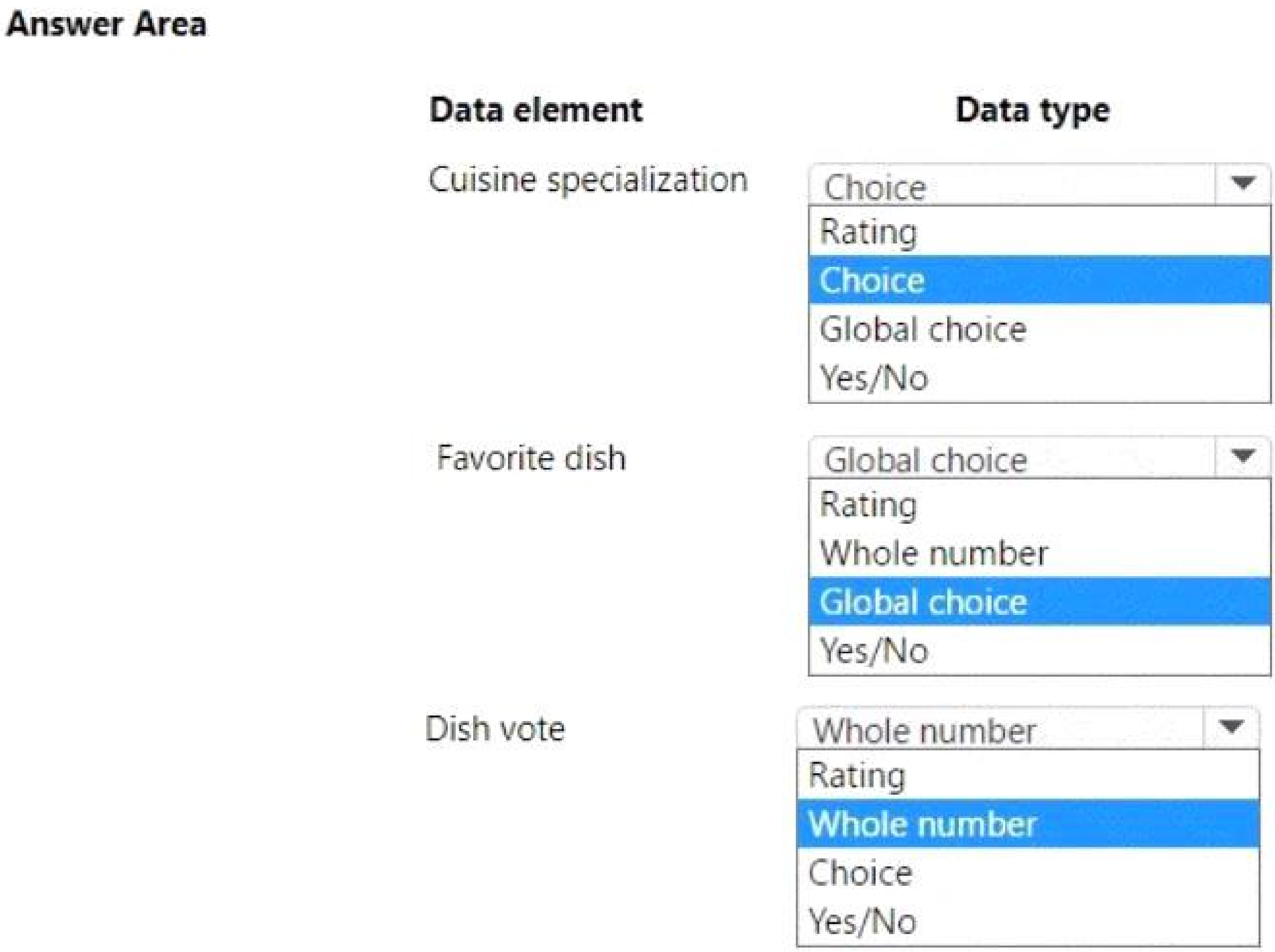


Reference:
https://powerapps.microsoft.com/sk-sk/blog/saveandpublish/
https://docs.microsoft.com/en-us/powerapps/maker/canvas-apps/restore-an-app
Topic 3, Culinary Arts CollegeCase Study
A culinary arts college trains world class chefs by offering a blend of theoretical and practical education. The culinary arts program enrolls two hundred students per term. The instructors split the students in groups of five to seven students, depending on the specialty selected. Each instructor is in charge of one group of students.

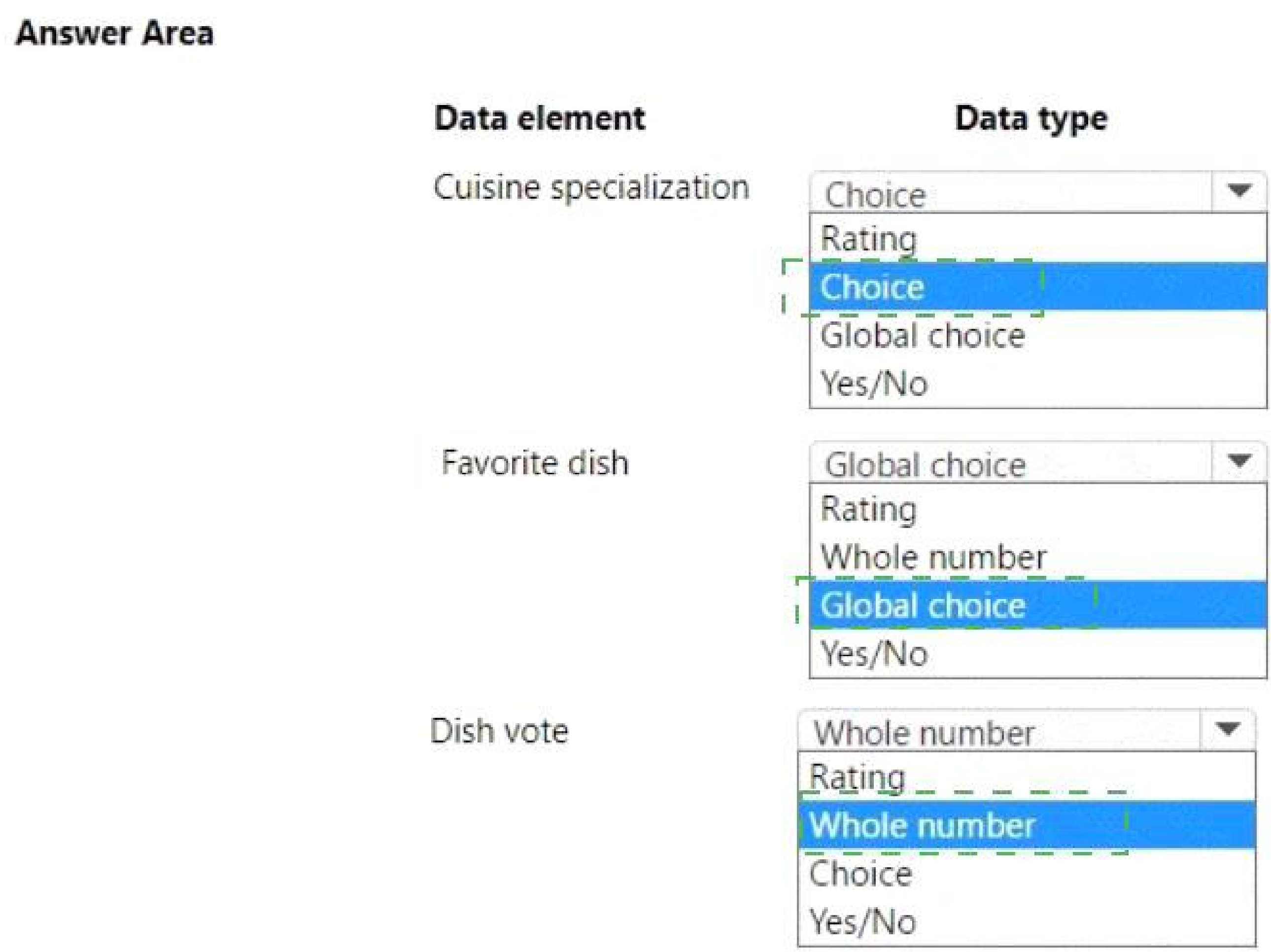
The college uses several systems to manage the student classroom activities. The college plans to implement a Microsoft Power Platform solution to replace the existing system. The goal is to align the cooking curriculum to the taste preferences of their subscribers and automate as much as possible to reduce administrative overhead.
The college has two revenue streams:
* student enrollment fees and work placement brokerage
* lunch catering to businesses, school cafeterias and other consumers via subscriptions Subscribers place orders from a menu published by the instructors. The menu displays all the dishes and quantities that students will create during a cooking lesson.
The college partners with food banks to offer healthy meals to people in need. Students participate in the packaging and safe storage of any leftovers meals and notify the food banks about available meals. If 85 percent of the meals produced during a week sell out the college makes the remaining 15 percent available to food banks only.
Current system
* The college manages subscribers and their dish preferences by using a SQL Server-based app that is hosted in the college's on-premises datacenter. Each week, data is extracted as a Microsoft Excel workbook and distributed to instructors.
* Recipes are stored as Microsoft Word documents in SharePoint libraries. Access to recipes is restricted to instructors and students.
* The college uses Microsoft 365 for emails, classroom and kitchen bookings, and document management.
* Students will use a Microsoft Outlook calendar to see their group's schedule and to collaborate with instructors and other students.
Current processes
* Instructors use Microsoft Excel workbooks to capture class attendance information for cooking classes
* Instructors develop the culinary arts program and refine it periodically.
* Instructors are responsible for monitoring kitchen processes
* Instructors order the ingredients in bulk from food distributors. The instructors define threshold quantities that trigger inventory replenishment.
* Students self-organize in teams and brainstorm to produce new recipes.
* Students earn credits faster if they create new recipes in their specialty and the new recipe gains enough votes from subscribers Cooking classes
* Each cooking class has a start date, a start and end time, a minimum and a maximum number of participants, and a cuisine specialty.
* Students select one main cuisine to specialize in when applying for enrollment
* Students participating in a cooking class can participate as a chef or as a helper. There is only one chef per session. Everyone else is a helper
* Instructors select the chef and recipe for each cooking class and distribute a link to the recipe document before each class.
* Each instructor performs quality checks on dishes that are offered for sale and evaluates both the chef and the helper.
Subscriptions
* The college offers the following types of subscriptions based on a client's commitment to order
* Public - lunch orders placed between 1(h00 AM and noon from an open menu, subject to availability. Most occasional and high-volume subscribers became fans of the college after ordering

from the public subscription, o Occasional subscribers - a fixed number of meals, either monthly or weekly, o High volume - businesses that provide their staff free lunches every workday.
* A group of 25 business subscribers each order an average of 2.OO0 meals per day.
* The number of occasional subscribers varies daily.
* The college generates a QR code for high-volume subscribers to allow staff to vote for their favorite dishes.
Class management
* The solution must track credits earned by the students.
* Students require a fixed number of credits in the chefs role to gain the cuisine specialization.
Students can acquire credits by using any of the following methods:
o number of hours in practical sessions as helpers
o number of hours as chefs
o popular votes from dishes prepared as chefs
o marks from the class instructor
* Students must confirm their attendance by selecting Start at the beginning of each class and selecting Done at the end of the class.
* The student s total number of practice hours and credits earned must display in the app
* Students team up together to create new recipes and must keep their recipes confidential.
* The instructors photograph dishes that pass quality checks and upload the photographs to the daily menu that is made available to subscribers.
* Dish votes are counted based on the number of people who marked the dish as a favorite.
* The college requires a lively visual that displays marketing data on their public-facing website.
Subscriptions
* The subscriber administrators must approve the credit terms for high-volume subscribers.
* Occasional and high-volume subscribers must be able to place orders online.
* Subscribers should be able to mark a dish as favorite directly from their order.
Food management
* Instructors must be able to reserve the quantities of ingredients that they require for cooking sessions.
* Each ingredient has a primary unit of measure for bulk ordering and a second unit of measure for using in a recipe. (For example, flour in pounds when ordering and in cups for use in a recipe).
* The app must display the current inventory and reserved quantities for each ingredient needed for a recipe.
The display must be consistent for appropriate roles.
* Food banks must be able to access the food pool online and place their orders from a filtered list based on their location.
* The college must replace the food bank notifications with an automated system that food bank users can access directly from the college s public website.
* The app must use a chatbot to replace the food bank notifications so that food bank users can see food available for pickup by food banks.
Food management
* One instructor discovers discrepancies in the ingredient inventory and requests the standardization of the units of measures for all ingredients. Each time an ingredient is used in a recipe, the secondary unit of measure must be populated and be read only.
* Students report that they are not able to see their total practice hours in the app.

NO.25 You need to select data types for the app.
Which data type should you use? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

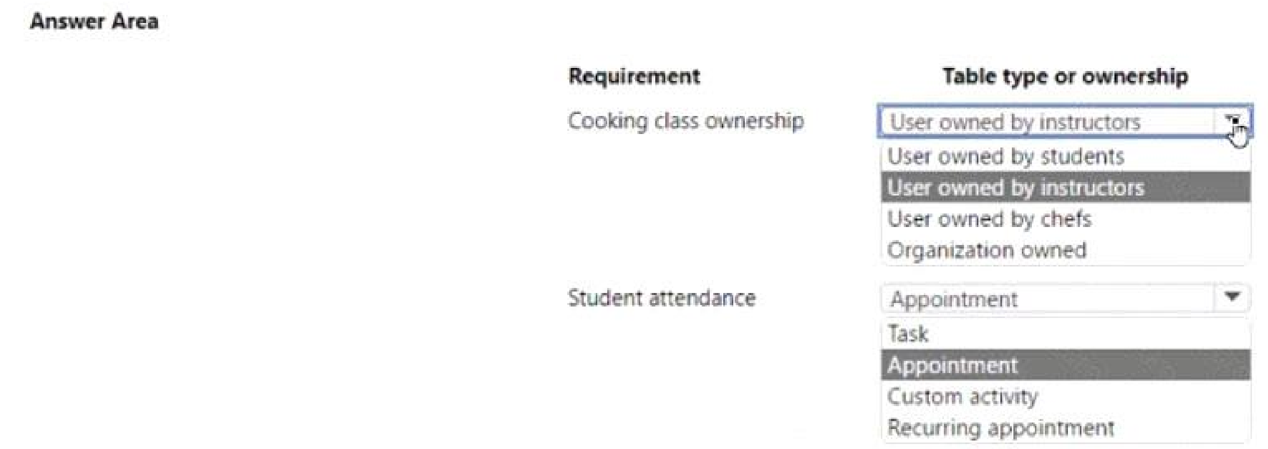


Answer:



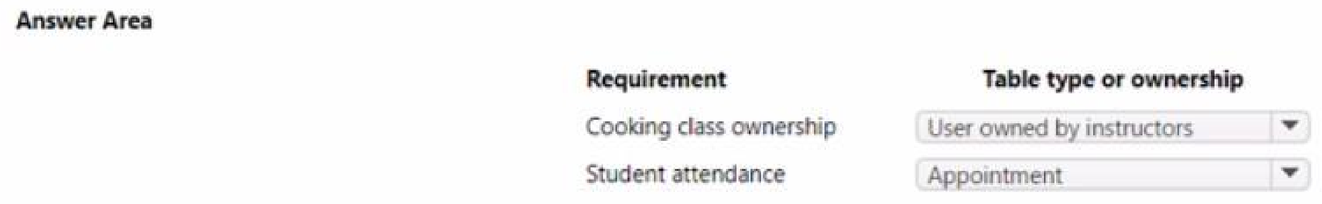
Explanation:

NO.26 You need to implement the student attendance requirements.
What should you use? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

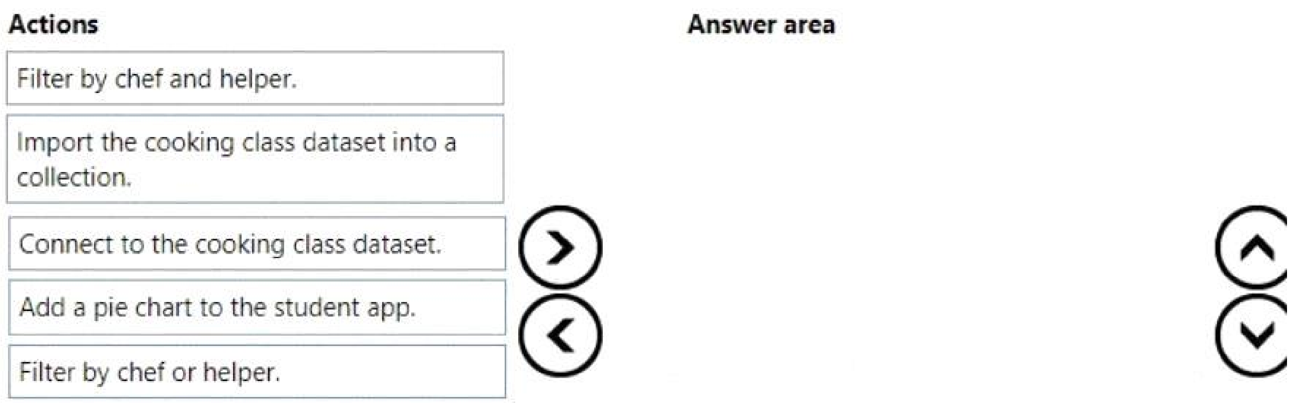


Answer:

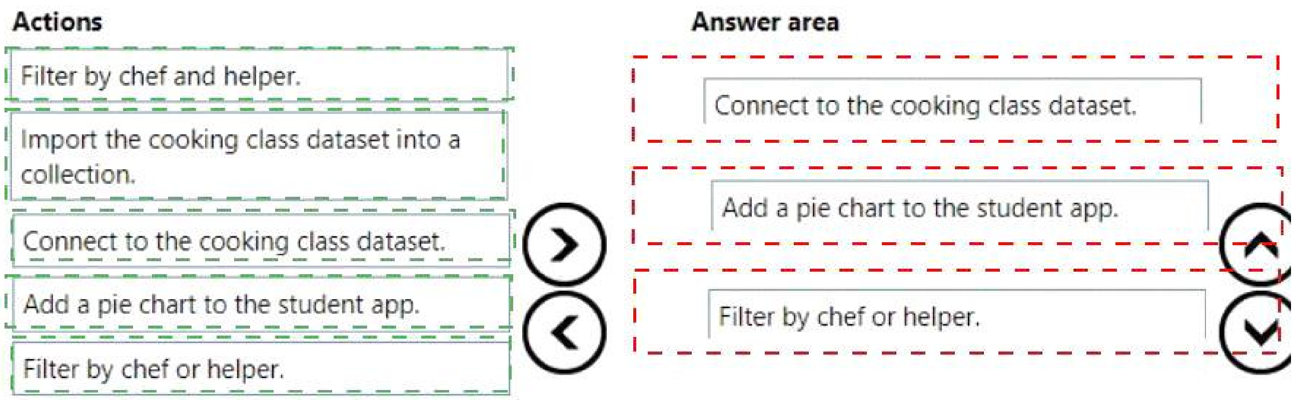
Explanation:



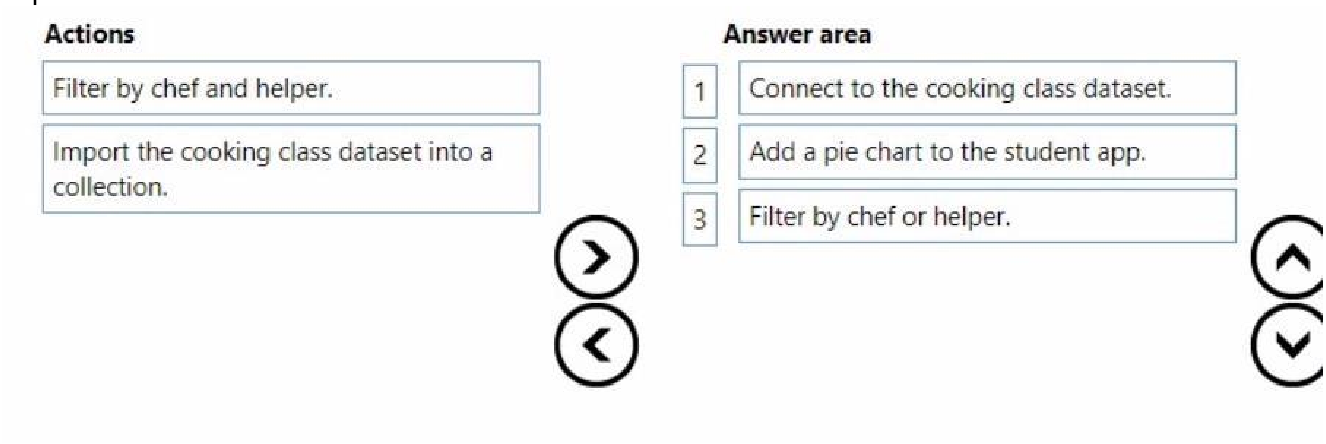
NO.27 You need to resolve the issue related to the student canvas app.
Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.



Answer:



Explanation:



NO.28 You need to resolve the instructor's issue and ensure that the same issue does not occur again. What should you use?

A. Gallery
B. Combo box
C. Custom component
D. Choices

Answer: D