Exam : **PL-400J**

Title : Microsoft Power Platform Developer (PL-400日本語版)

Vendor : Microsoft

Version : DEMO

QUESTION NO: 1
自転車検査票の差し替えが必要です。
どの 2 つのソリューションを使用する必要がありますか?
各回答は解決策の一部を示しています。
注: 正しく選択するたびに 1 ポイントの価値があります。
A. 検査データを Dynamics 365 Field Service にマッピングするフロー
B. 検査を通じて技術者をガイドするロジック アプリ
C. 技術者が検査をガイドするキャンバス アプリ
D. 顧客サービス エンティティに基づくモデル駆動型アプリ
Answer: A
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/
Topic 1, Adventure Works
Case study
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.
At the end of this case study, a review screen will appear. This screen allows you to review your answers and to make changes before you move to the next section of the exam. After you begin a new section, you cannot return to this section.
To start the case study
To display the first question in this case study, click the Next button. Use the buttons in the left pane to explore the content of the case study before you answer the questions. Clicking these buttons displays information such as business requirements, existing environment, and problem statements. If the case study has an All Information tab, note that the information displayed is identical to the information displayed on the subsequent tabs. When you are ready to answer a question, click the Question button to return to the question.
Background
Current environment
Adventure Works Cycles wants to replace their paper-based bicycle manufacturing business with an efficient paperless solution. The company has one manufacturing plant in Seattle that produces bicycle parts, assembles bicycles, and distributes finished bicycles to the Pacific Northwest.
Adventure Works Cycles has a retail location that performs bicycle repair and warranty repair work. The company has six maintenance vans that repair bicycles at various events and

residences.
Adventure Works Cycles recently deployed Dynamics 365 Finance and Dynamics 365 Manufacturing in a Microsoft-hosted environment for financials and manufacturing. The company plans to leverage the Microsoft Power Platform to migrate all of their distribution and retail workloads to Dynamics 365 Unified Operations.
The customer uses Dynamics 365 Sales. Dynamics 365 Customer Service and Dynamics 365 Field Service.
Retail store information
* Adventure Works Cycle has one legal entity, four warehouses, and six field service technicians.
* Warehouse counting is performed manually by using a counting journal. All warehouse boxes and items are barcoded.
* 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.
* Adventure Works Cycles uses a Power Apps app for local bike fairs to attract new customers.
* A canvas app is being developed to capture customer information when customers check in at the retail location. The app has the following features:
* Customer selects yes or no if they are on the mailing list.
* Customer selects the amount of times they have visited the store.
* Customer selects the type of service needed.
* The search result returns all last name records that match the search term.
Technology
Requirements
* A plug-in for Dynamics 365 Sales automatically calculated the total billed time from all activities on a particular customer account, including sales representative visits, phone calls, email correspondence, and repair time compared with hours spent.
* A shipping API displays shipping rates and tracking information on sales orders. The contract allows for 3,000 calls per month.
* Ecommerce orders are processed in batch daily by using a manual import of sales orders in Dynamics
365 Finance.
* Microsoft Teams is used for all collaboration.
* All testing and problem diagnostics are performed in a copy of the production environment.
* Customer satisfaction surveys are recorded with Microsoft Forms Pro. Survey replies from customers are sent to a generic mailbox.
Automation
* A text message must be automatically sent to a customer to confirm an appointment and to notify when a technician is on route that includes their location.
* Ecommerce sales orders must be integrated into Dynamics 365 Finance and then exported to Azure every night.
* A text alert must be sent to employees scheduled to assist in the repair area of the retail store if the number of repair check-ins exceeds eight.

* Submitted customer surveys must generate an email to the correct department. Approval and follow-up must occur within a week.
Reporting
* The warehouse manager's dashboard must contain warehouse counting variance information.
* A warehouse manager needs to quickly view warehouse KPIs by using a mobile device.
* Power BI must be used for reporting across the organization.
User experience
* Warehouse counting must be performed by using a mobile app that scans barcodes on boxes.
* All customer repairs must be tracked in the system no matter where they occur.
* Qualified leads must be collected from local bike fairs.
Issues
* Warehouse counting must be performed by using a mobile app that scans barcodes on boxes.
* All customer repairs must be tracked in the system no matter where they occur.
* Qualified leads must be collected from local bike fairs.
Internal
* User1 reports receives an intermittent plug-in error when viewing the total bill customer time.
* User2 reports that Azure consumption for API calls has increased significantly to 100 calls per minute in the last month.
* User2 reports that sales orders have increased.
* User5 receives the error message: 'Endpoint unavailable' during a test of the technician dispatch ISV solution.
* The parts department manager who is the approver for the department is currently on sabbatical.
External
* CustomerB reports that the check-in app returned only one search result for their last name, which is not the correct name.
* Nine customers arrive in the repair area of the retail store, but no texts were sent to scheduled employees.
* Customers report that the response time from the information email listed on the Adventure Works Cycles website is greater than five days.
* CustomerC requested additional information from the parts department through the customer survey and has not received a response one week later.

QUESTION NO: 2
CustomerC の問題を解決するには、Power Automate フローを変更する必要があります。
あなたは何をするべきか？
A. 成功に設定された構成実行を追加します。
B. false 条件を指定するデータ操作を追加します。
C. 承認階層を含む条件を追加します。
D. 承認フローにタイムアウト設定を追加します。
Answer: D

Explanation:
Scenario: CustomerC requested additional information from the parts department through the customer survey and has not received a response one week later.
Reference:
https://docs.microsoft.com/en-us/power-automate/sequential-modern-approvals

QUESTION NO: 3
Web サイト上の情報メールの応答時間を短縮する必要があります。
何を作成する必要がありますか?
A. Microsoft Teamsで通知を作成するフロー
B. ダッシュボードに受信したメールの数を表示する Power Apps アプリ
C. 電子メール応答ごとに SharePoint アイテムを作成するフロー
D. 受信したすべてのメールを Azure Blob Storage に移動するロジック アプリ。
Answer: A
Explanation:
Scenario:
Customers report that the response time from the information email listed on the Adventure Works Cycles website is greater than five days.
* Microsoft Teams is used for all collaboration.

QUESTION NO: 4
あなたは、チェックイン アプリケーションに関する顧客 B
の問題を解決する必要があります。
どの 2 つのオプションを使用できますか? それぞれの正解は完全な解決策を示します。
注: 正しく選択するたびに 1 ポイントの価値があります。
A. フィルターへのルックアップ
B. ルックアップするフィルター
C. 検索からルックアップまで
D. ルックアップして検索
Answer: A D
Explanation:
CustomerB reports that the check-in app returned only one search result for their last name, which is not the correct name.
The Filter function finds records in a table that satisfy a formula. Use Filter to find a set of records that match one or more criteria and to discard those that don't.
The LookUp function finds the first record in a table that satisfies a formula. Use LookUp to find a single record that matches one or more criteria.
The Search function finds records in a table that contain a string in one of their columns.
erence:
https://docs.microsoft.com/en-us/powerapps/maker/canvas-apps/functions/function-filter-lookup

QUESTION NO: 5
視覚化コンポーネントを選択する必要があります。
何を使えばいいのでしょうか？回答するには、回答領域で適切なオプションを選択してくだ

さい。
注: 正しく選択するたびに 1 ポイントの価値があります。

Requirement	Component
Mailing list opt-in/opt-out	Flip switch Linear gauge Radial knob Linear slider
Number of store visits	Linear gauge Flip switch Pen control Input mask
Purpose of visit	Linear gauge Flip switch Radial knob Option set

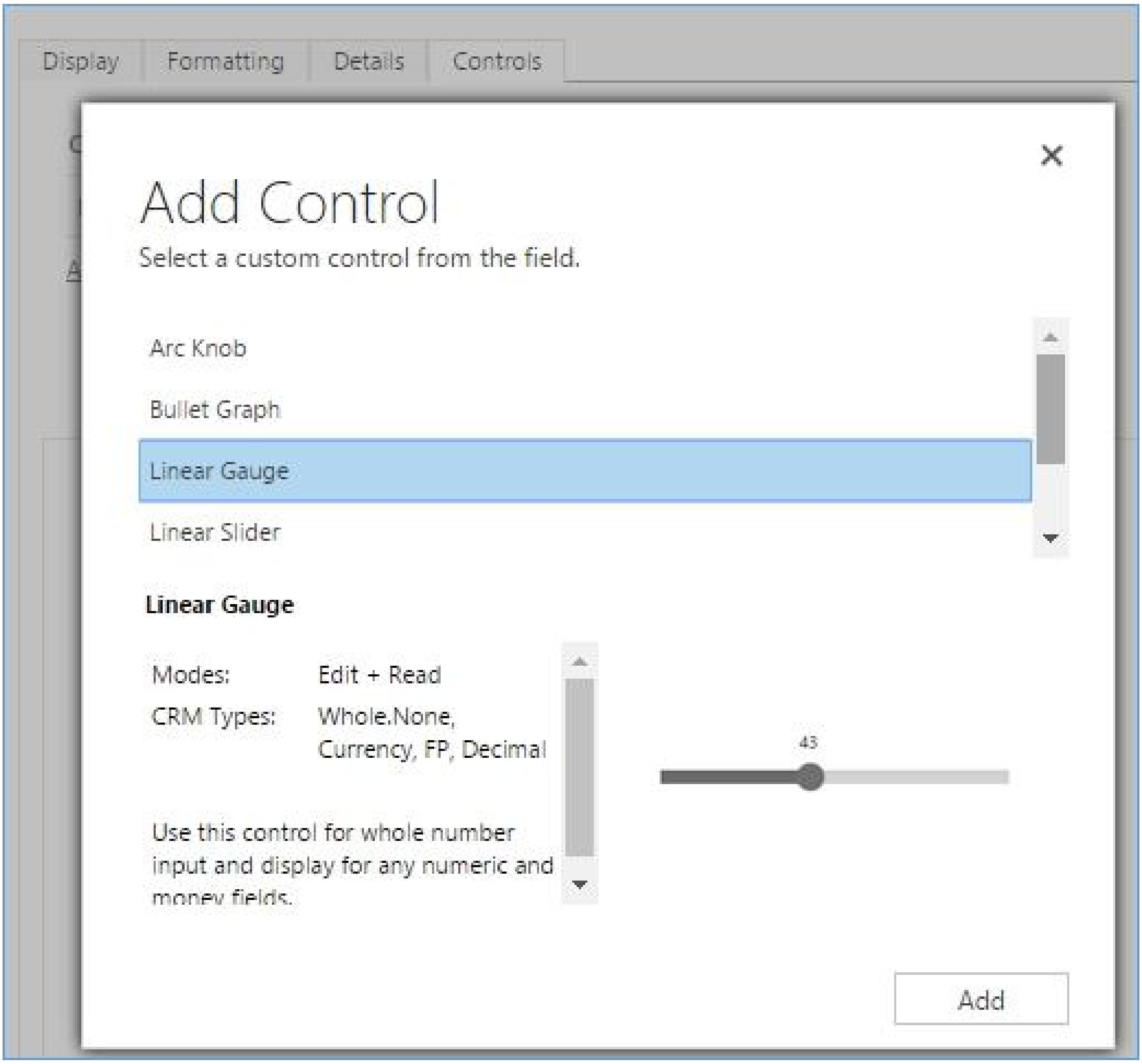
Answer:

Requirement	Component
Mailing list opt-in/opt-out	Flip switch Linear gauge Radial knob Linear slider
Number of store visits	Linear gauge Flip switch Pen control Input mask
Purpose of visit	Linear gauge Flip switch Radial knob Option set

Explanation:

Requirement	Component
Mailing list opt-in/opt-out	Flip switch Linear gauge Radial knob Linear slider
Number of store visits	Linear gauge Flip switch Pen control Input mask
Purpose of visit	Linear gauge Flip switch Radial knob Option set

Box 1: Flip switch
The Field Type to use Flip Switch would be 'Two options'.
If you go by UI perspective, Flip switch control- Yes/No (Boolean) options would give the nice field look in the web, mobile app and Tablet. Instead of using check boxes and radio buttons, this control adds a visual effect like the On/Off switch way.
Box 2: Linear gauge



Box 3: Option Set
Option sets are the ideal choice for offering users a list of defined options for a field selection.
Reference:
https://www.inogic.com/blog/2018/04/controls-in-dynamics-365-for-mobile-app-flip-switch/
https://community.dynamics.com/365/sales/b/crminogic/posts/new-controls-for-phones-and-tablets-in- dynamics-crm-2016-update-1

QUESTION NO: 6
User2 の Azure 消費 API 呼び出しの数を減らす必要があります。
どのマークアップ セグメントを使用する必要がありますか?
A.

```
<policies>
  <inbound>
    <base />
    <rate-limit-by-key calls="100"
    renewal-period= "30"
    increment-condition= "@(context.Response.StatusCode = = 200)"
    counter-key= "@(context.Request.IpAddress)"/>
  </inbound>
  <outbound>
    <base />
  </outbound>
</policies>
```

B.

```
<policies>
  <inbound>
    <base />
    <rate-limit calls="1000" renewal-period= "90" />
  </inbound>
  <outbound>
    <base />
  </outbound>
</policies>
```

C.

```
<policies>
  <inbound>
    <base />
    <rate-limit-by-key calls="1"
    renewal-period= "60"
    increment-condition= "@(context.Response.StatusCode = = 200)"
    counter-key="@(context.Request.IpAddress)"/>
  </inbound>
  <outbound>
    <base />
  </outbound>
</policies>
```

D.

```
<policies>
  <inbound>
    <base />
    <quota calls="100" bandwidth="400" renewal-period="30" />
  </inbound>
    <outbound>
        <base />
  </outbound>
</policies>
```

Answer: C

Explanation:

Scenario: User2 reports that Azure consumption for API calls has increased significantly to 100 calls per minute in the last month.

Example:

In the following example, the rate limit of 10 calls per 60 seconds is keyed by the caller IP address. After each policy execution, the remaining calls allowed in the time period are stored in the variable remainingCallsPerIP.

```
<policies>
<inbound>
<base />
<rate-limit-by-key calls="10"
renewal-period="60"
increment-condition="@(context.Response.StatusCode == 200)"
counter-key="@(context.Request.IpAddress)"
remaining-calls-variable-name="remainingCallsPerIP"/>
</inbound>
<outbound>
<base />
</outbound>
</policies>
```

Note: The rate-limit-by-key policy prevents API usage spikes on a per key basis by limiting the call rate to a specified number per a specified time period. The key can have an arbitrary string value and is typically provided using a policy expression. Optional increment condition can be added to specify which requests should be counted towards the limit. When this call rate is exceeded, the caller receives a 429 Too Many Requests response status code.

Reference:

https://docs.microsoft.com/en-us/azure/api-management/api-management-access-restriction-policies

QUESTION NO: 7

User5 によって報告された ISV

ソリューションに使用されている実行モードを特定する必要があります。

どのタイプの実行モードが使用されていますか?

A. 非同期

B. 原子性

C.転送
D. 同期
Answer: D
Explanation:
User5 receives the error message: 'Endpoint unavailable' during a test of the technician dispatch ISV solution.
When you choose to use a synchronous execution mode any failure will be reported back to the user of the application with an Endpoint unavailable error dialog informing the user that the webhook service endpoint may be configured incorrectly or is not available.
Reference:
https://docs.microsoft.com/en-us/powerapps/developer/common-data-service/use-webhooks

QUESTION NO: 8
Web サイト上の情報メールの応答時間を短縮する必要があります。
何を作成する必要がありますか?
A. 電子メール応答ごとに SharePoint アイテムを作成するフロー
B. Microsoft Teams で通知を作成するフロー
C. ダッシュボードに受信したメールの数を表示する Power Apps アプリ
D. 受信したすべてのメールを Azure Blob Storage に移動するロジック アプリ
Answer: B
Explanation:
Scenario:
Customers report that the response time from the information email listed on the Adventure Works Cycles website is greater than five days.
Microsoft Teams is used for all collaboration.
Microsoft teams support email notifications.
Reference:
https://support.microsoft.com/en-us/office/manage-notifications-in-teams-1cc31834-5fe5-412b-8edb-
43fecc78413d

QUESTION NO: 9
9
人の顧客がチェックインし、修理エリアで待機しているという通知を従業員が受け取っていない理由を特定する必要があります。
各ステップでどのコンポーネントをテストする必要がありますか?
答えるには、適切なコンポーネントを正しいステップにドラッグします。各コンポーネントは 1 回使用することも、複数回使用することも、まったく使用しないこともできます。
コンテンツを表示するには、ペイン間で分割バーをドラッグするか、スクロールする必要がある場合があります。
注: 正しく選択するたびに 1 ポイントの価値があります。

Components	Step	Component
action	outbound text	
condition	nine customers in the store	
expression	number of customers in the store	
data operation		

Answer:

Components	Step	Component
action	outbound text	action
condition	nine customers in the store	condition
expression	number of customers in the store	data operation
data operation		

Explanation:

Step	Component
outbound text	action
nine customers in the store	condition
number of customers in the store	data operation

Scenario: A text alert must be sent to employees scheduled to assist in the repair area of the retail store if the number of repair check-ins exceeds eight.

Box 1: action

Box 2: condition

Box 3: data operation

QUESTION NO: 10

視覚化コンポーネントを選択する必要があります。

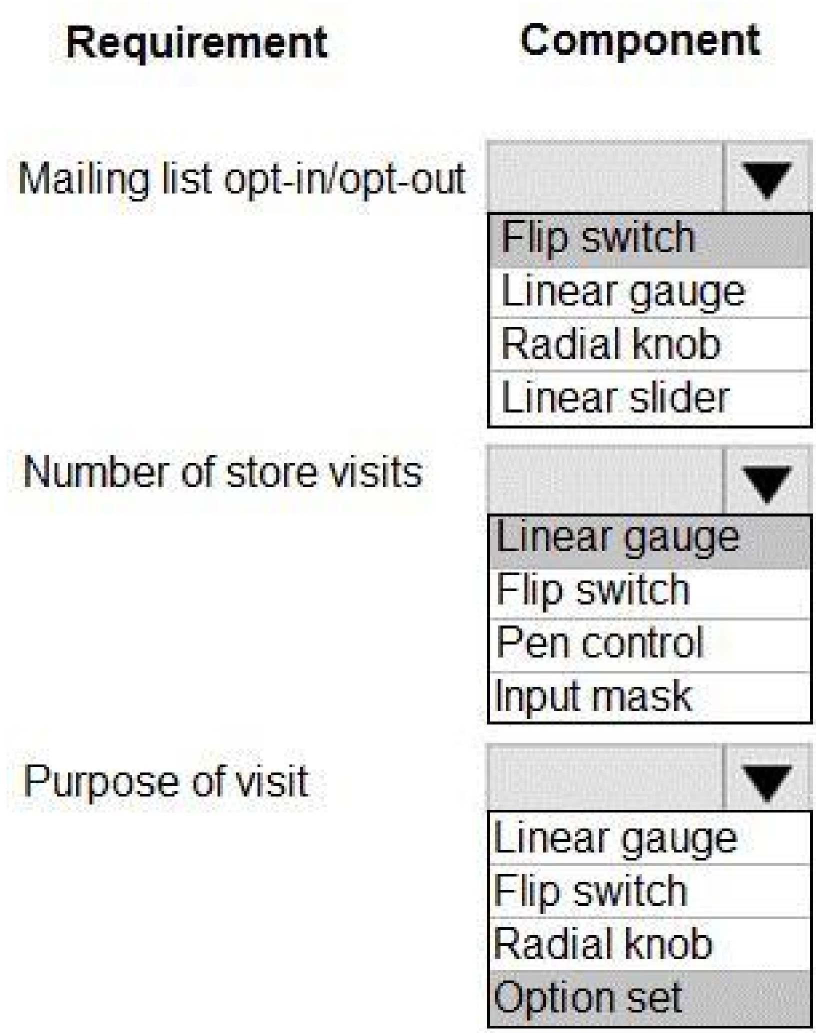
何を使えばいいのでしょうか？回答するには、回答エリアから適切な選択肢を選択してください。
注: 正しく選択するたびに 1 ポイントの価値があります。

Requirement	Component
Mailing list opt-in/opt-out	Flip switch Linear gauge Radial knob Linear slider
Number of store visits	Linear gauge Flip switch Pen control Input mask
Purpose of visit	Linear gauge Flip switch Radial knob Option set

Answer:

Requirement	Component
Mailing list opt-in/opt-out	Flip switch Linear gauge Radial knob Linear slider
Number of store visits	Linear gauge Flip switch Pen control Input mask
Purpose of visit	Linear gauge Flip switch Radial knob Option set

Explanation:



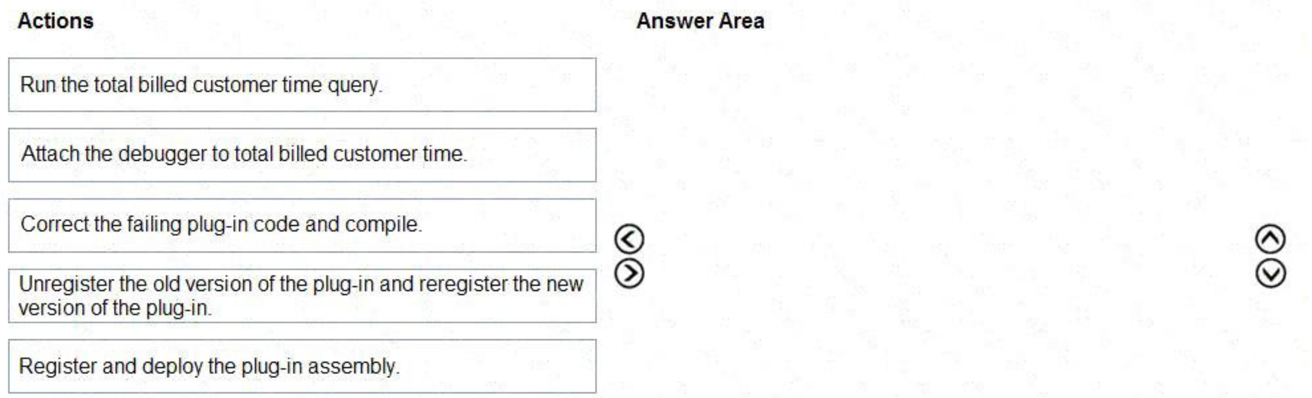
Scenario: Customer satisfaction surveys are recorded with Microsoft Forms Pro.
Box 1: Flip switch
The flip switch is like an on/off switch, providing a choice between two values.
Box 2: Linear gauge
The linear gauge lets your users input numerical values by dragging a slider instead of typing in the exact quantity. The slider provides whole number input and display only. Use this control for any numerical and money columns.
Box 3: Option set
The choice control presents a set of options for your users to choose from when entering data.
You can customize forms (main, quick create, and quick view) and email templates by adding multi-select columns that are called Choices. When you add a choices column, you can specify multiple values that will be available for users to select. When users fill out the form they can select one, multiple, or all the values displayed in a drop-down list.
Reference:
https://docs.microsoft.com/en-us/powerapps/maker/model-driven-apps/additional-controls-for-dynamics-365- for-phones-and-tablets

QUESTION NO: 11
CustornerCs の問題を解決するには、Microsoft
フローを変更する必要があります。あなたは何をするべきか？

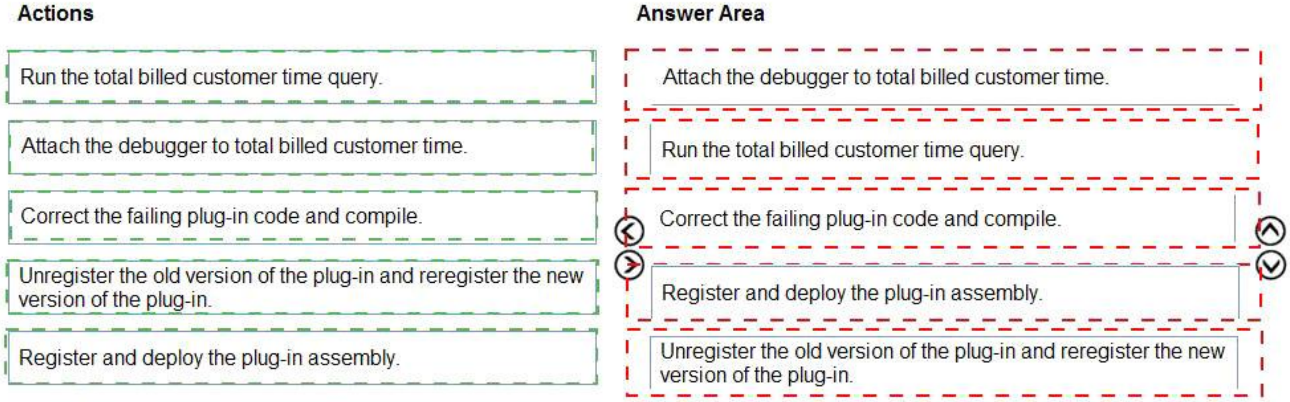
A. false 条件を指定するデータ操作を追加します。
B. 成功に設定された構成実行を追加します。
C.承認フローにタイムアウト設定を追加します。
D. 承認階層を含む条件 b を追加します。
Answer: C
Explanation:
Scenario: CustomerC requested additional information from the parts department through the customer survey and has not received a response one week later.
Imagine having a process where you want to give someone a couple of days to reply to an approval. If that someone doesn't respond in time, you want to assign a new approval to another person or group of people. To achieve this you can set the timeout in the action settings.
Reference:
https://www.o365dude.com/2018/06/02/timeout-flow-approvals/

QUESTION NO: 12
倉庫の棚卸効率を改善する必要があります。
何を作成する必要がありますか?
A. 作業者が棚卸を実行するときに倉庫棚卸数を更新するフロー
B. ユーザーが在庫数を入力できるモデル駆動型アプリ
C. 在庫棚卸の差異を表示する Power BI ダッシュボード
D. バーコードをスキャンして倉庫作業者が在庫数を選択できるようにするキャンバスアプリ
Answer: D
Explanation:
Scenario: Warehouse counting is performed manually by using a counting journal. All warehouse boxes and items are barcoded.

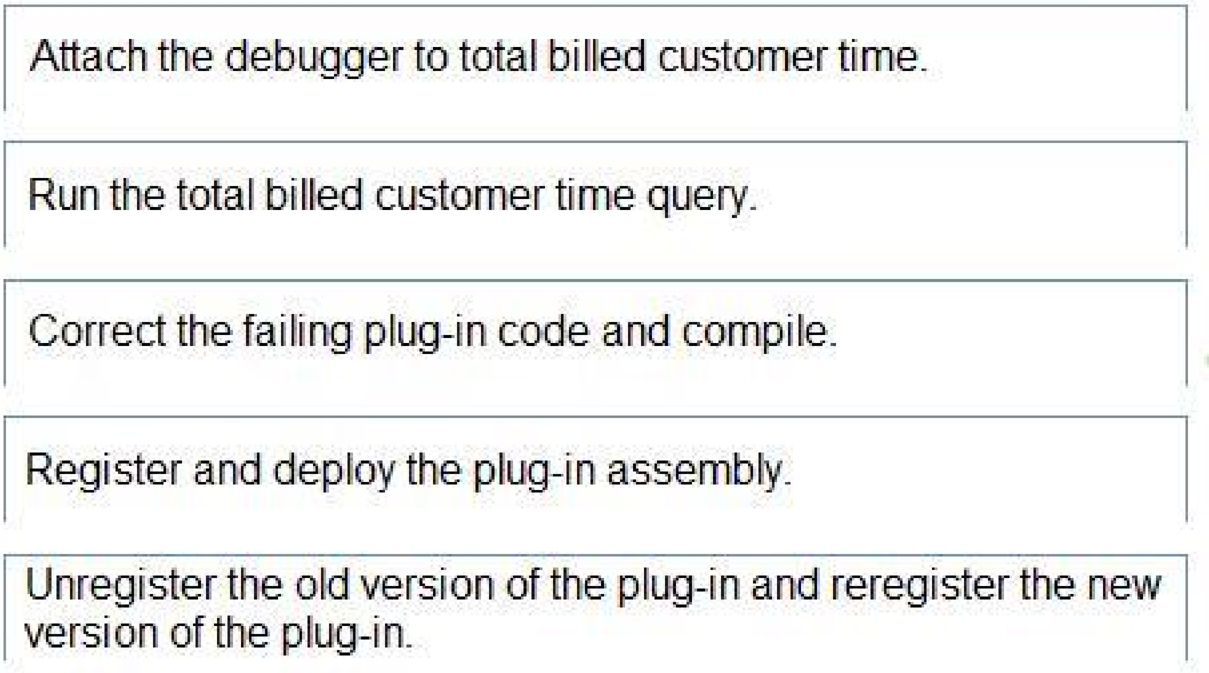
QUESTION NO: 13
Total Billed customer
プラグインを使用してパフォーマンスの問題を解決する必要があります。
どの順序でアクションを実行する必要がありますか?
回答するには、すべてのアクションをアクションのリストから回答領域に移動し、正しい順序で並べます。



Answer:



Explanation:



Scenario: User1 reports that performance is slow when viewing total billed customer time.
A plug-in for Dynamics 365 Sales automatically calculates the total billed time from all activities on a particular customer account, including sales representatives' visits, phone calls, email correspondence, and repair time compared with hours spent.
Reference:
https://docs.microsoft.com/en-us/dynamics365/customerengagement/on-premises/developer/register-deploy- plugins

QUESTION NO: 14
Adventure Works Cycle
が自転車フェアへの訪問者からの情報を追跡できるようにする必要があります。
何を作成する必要がありますか?
A. 能力リード向けの Dynamics 365 Sales Engagement のワークフロー
B. SharePoint の自転車フェア Power Apps から顧客データを取得し、Microsoft Teams でリードを作成するフロー。
C. バイク フェア Power Apps と接続して Dynamic 365 Sales でリードを創出するフロー

D. SharePoint で新しい顧客レコードを生成する Microsoft フロー

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

QUESTION NO: 15

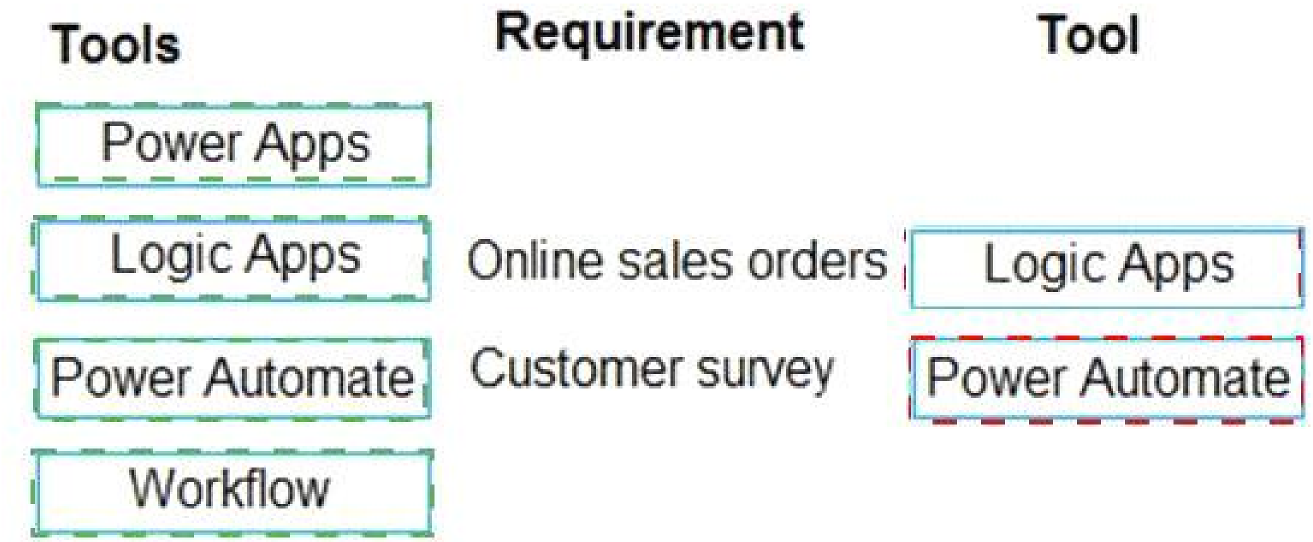
電子商取引の自動化要件を満たすソリューションを推奨する必要があります。

どのプラットフォーム ツールをお勧めしますか?

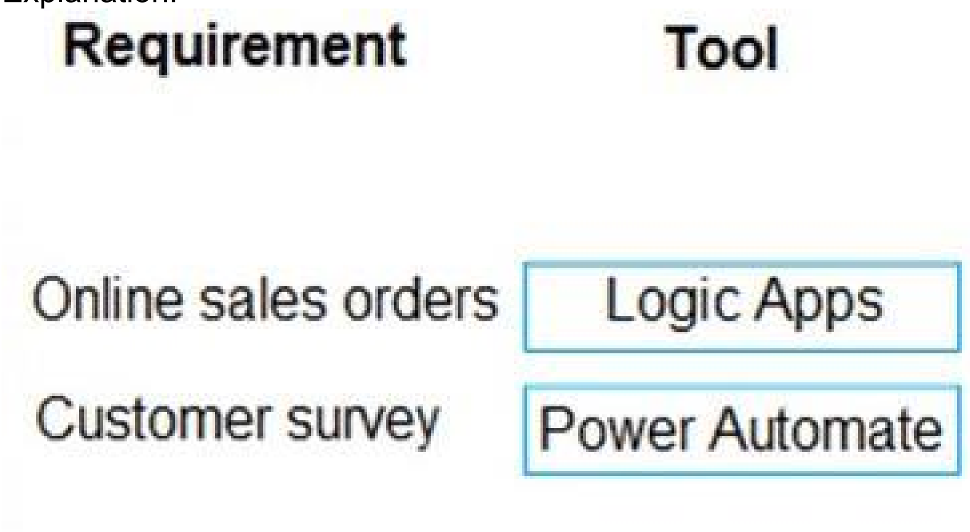
回答するには、適切なツールを正しい要件にドラッグします。各ツールは 1 回使用することも、複数回使用することも、まったく使用しないこともできます。コンテンツを表示するには、ペイン間で分割バーをドラッグするか、スクロールする必要がある場合があります。

注: 正しく選択するたびに 1 ポイントの価値があります。

Answer:



Explanation:



Explanation:
Box 1: Logic Apps
Scenario: Ecommerce sales orders must be integrated into Dynamics 365 Finance and then exported to Azure every night.
For integration with Dynamics 365 Logic Apps can be used. It also supports scheduled actions.
For integration with Azure use Logic Apps, instead of Power Automate.
Reference:
https://docs.microsoft.com/en-us/microsoft-365/community/power-automate-vs-logic-apps
https://docs.microsoft.com/en-us/power-automate/replace-workflows-with-flows

QUESTION NO: 16
Adventure Works Cycles
が自転車フェアへの訪問者からの情報を追跡できるようにする必要があります。
何を作成する必要がありますか?
A. バイク フェア Power Apps アプリに接続して Dynamics 365 Sales でリードを作成する Power Automate フロー
B. SharePoint で新しい顧客レコードを生成する Power Automate フロー。
C. SharePoint の自転車フェア Power Apps アプリから顧客データを取得し、Microsoft Teams でリードを作成する Power Automate フロー。
D. リードを獲得するための Dynamics 365 Sales のビジネス プロセス フロー。
Answer: A
Explanation:
Scenario:
Qualified leads must be collected from local bike fairs.
Adventure Works Cycles uses a Power Apps app for local bike fairs to attract new customers
.
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.
In Power Automate, you can set up automated workflows between your favorite apps and

services to synchronize files, get notifications, collect data, and more.
Reference:
https://docs.microsoft.com/en-us/power-automate/connection-dynamics365

QUESTION NO: 17
倉庫の在庫数を数える効率を改善する必要があります。
何を作成する必要がありますか?
A. ユーザーが在庫数を入力できるモデル駆動型アプリ
B. 在庫棚卸の差異を表示する Power BI ダッシュボード
C. 作業者が棚卸を実行するときに倉庫棚卸数を更新するフロー
D. バーコードをスキャンして倉庫作業者が在庫数を選択できるようにするキャンバスアプリ
Answer: D
Explanation:
Scenario: Warehouse counting is performed manually by using a counting journal. All warehouse boxes and items are barcoded.
Barcode scanner control for canvas apps: Scans barcodes, QR codes, and data-matrix codes on an Android or iOS device.
Description
The control opens a native scanner on an Android or iOS device. The scanner automatically detects a barcode, a QR code, or a data-matrix code when in view.
Reference:
https://docs.microsoft.com/en-us/powerapps/maker/canvas-apps/controls/control-new-barcode-scanner
Topic 2, Bellows Sports
Case study
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.
At the end of this case study, a review screen will appear. This screen allows you to review your answers and to make changes before you move to the next section of the exam. After you begin a new section, you cannot return to this section.
To start the case study
To display the first question in this case study, click the Next button. Use the buttons in the left pane to explore the content of the case study before you answer the questions. Clicking these buttons displays information such as business requirements, existing environment, and problem statements. If the case study has an All Information tab, note that the information displayed is identical to the information displayed on the subsequent tabs. When you are ready to answer a question, click the Question button to return to the question.
Background

Bellows Sports is the region's newest, largest, and most complete sports complex. The company features baseball and soccer fields and two full-size hockey rinks. The complex provides coaching, recreational leagues, a pro shop, and state-of-the art customer and player amenities.
The company is organized into the following divisions:
* Baseball
* Hockey
* Soccer
Bellow Sports runs tournaments several times per year. Each tournament runs six weeks.
Current environment
Requirements
Bellow Sports tracks players and events in Microsoft Excel workbooks and uses email to communicate with players, partners, and prospective customers. The company uses a proprietary cloud-based accounting system.
The company relies on referrals from athletes for new business. Bellows uses a third-party marketing company to gather feedback and referrals from athletes. The third-party marketing company uploads a Microsoft Excel file containing lists of potential customers and players to the FTP site that Bellows Sports maintains.
Tournaments
Customer information is stored in the Accounts entity. Each tournament record must list the associated sales representative as the tournament owner. When team members create tournament records they must enter the start date for a tournament. The end date of the tournament must be automatically calculated.
Registration form
You must create a form to allow players to register for tournaments. The registration form must meet the following requirements:

Division	Requirement
Baseball	Capture the age and weight of the player. The height field must not display.
Hockey	Capture the age, height, and weight of the player.
Soccer	Capture the age of the player. The height and weight fields must not display.

* Each division has tournaments that take place in specific locations. Users must be able to select the division for a tournament location.
* Information about upcoming tournaments must be pre-located into the registration form when the registration form loads.
* The form must include a custom button that sends an email confirmation to the player after the player registers.
* The button must not be visible until after the form is saved.
Security
The company identifies the following job roles:

Role	Tasks
Sales representative	These users will enter data into Dynamics 365 Customer Service.
Intern	These users will create Power Apps apps, and connectors, and create Power Automate flows.
Manager	These users will add users, assign security roles, and manage data storage.

You must grant users the minimum permissions required to perform their job tasks.
Data automation
* Customer name must be added to Dynamics 365 Finance automatically after it is entered.
* You must produce a report that details the number of registrations for a day and send the report as a PDF to the management team.
* You must implement mechanisms to handle all code-related errors.
* When a customer record is updated, the system must look up the account number for the customer in the accounting system.
* Referrals must be imported into the system as soon as they are available.

Issues
Apps
* The captions for the New and Save buttons do not render properly on the form.
* Interns can create apps but cannot interact with their own data.

Portal
The query for all registered users must return the data categorized by division. Queries must return only the Name and Sport fields. Queries return all fields. The query is as follows:

```
GET [Organization URI]/api/data/v9.1/accounts?
&$orderby=Name, sport
&$filter=sport ne null
```

Solution checker issues
You run solution checker and observe Plug-in or workflow activity errors in the following code sets:

Set	Code	Error message

Code set 1	`CS101 var columns = new ColumnSet();`
	`CS102 columns.AllColumns = true;`
	`CS103 var query = new QueryExpression("account");`
	`CS104 query.ColumnSet = columns;`
	`CS105 var results = service.RetrieveMultiple(query);`
		`il-specify-column`

Code Set 2	`CS201 WebRequest request = WebRequest.Create ("https://www.bellows.com/api/stuff");`
	`CS202 HttpWebResponse response = new HttpWebResponse();`
	`CS203`
	`CS204 respone = request.GetResponse();`
	`CS205 response.Close();`
		`il-turn-off-keepalive`

Code

The following code runs when the registration form loads. You must implement a mechanism to handle errors that occur in the code:

```
UpdateRecord.js (Line numbers are included for reference only.)

UR01
UR02 var data =
UR03      {
UR04        "name" : "Updated Account"
            "creditonhold" : true,
            "description" : "This is an account update",
            "revenue" : 10,000,
            "Division" : 2
          }
UR05 . . .
UR06
```

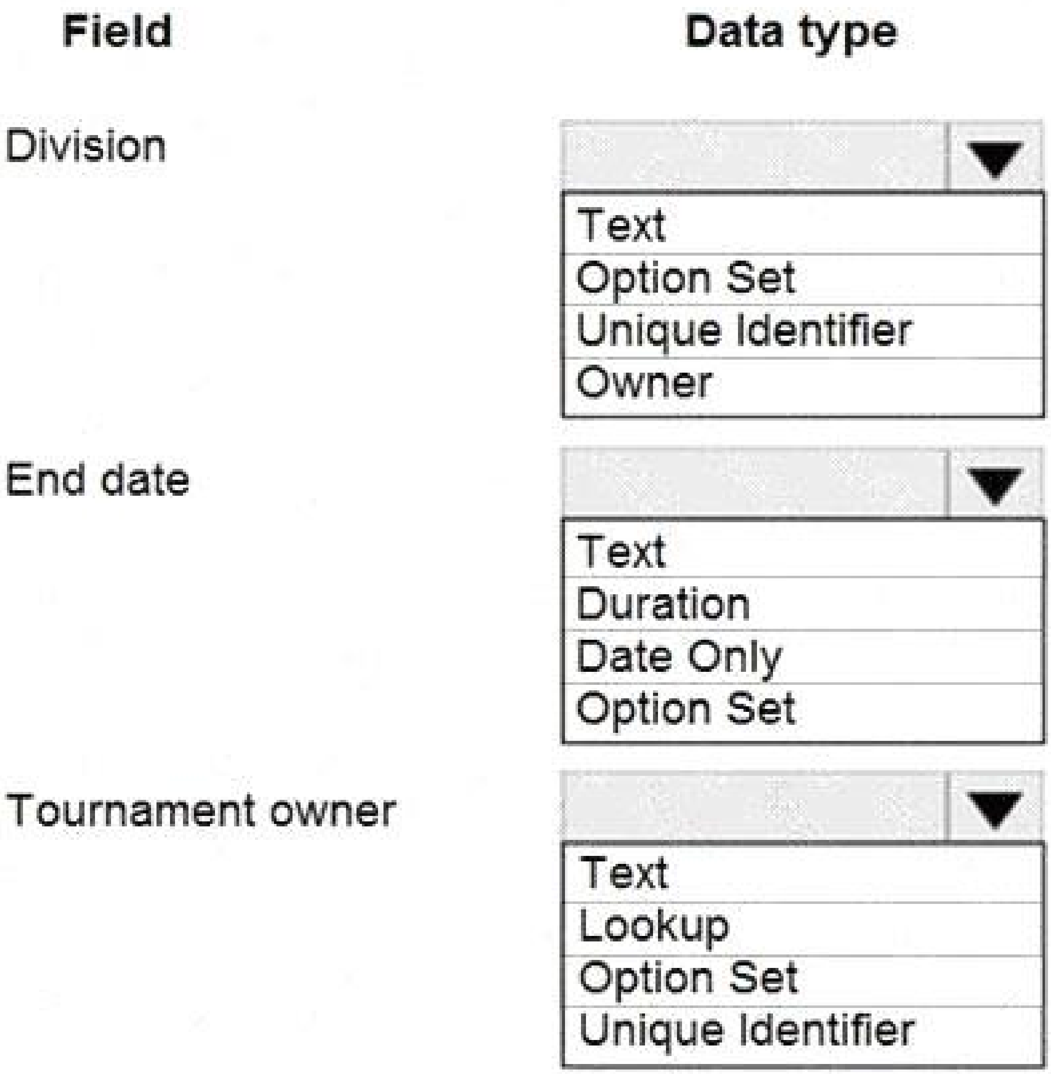
QUESTION NO: 18

必須フィールドのデータ型を選択する必要があります。

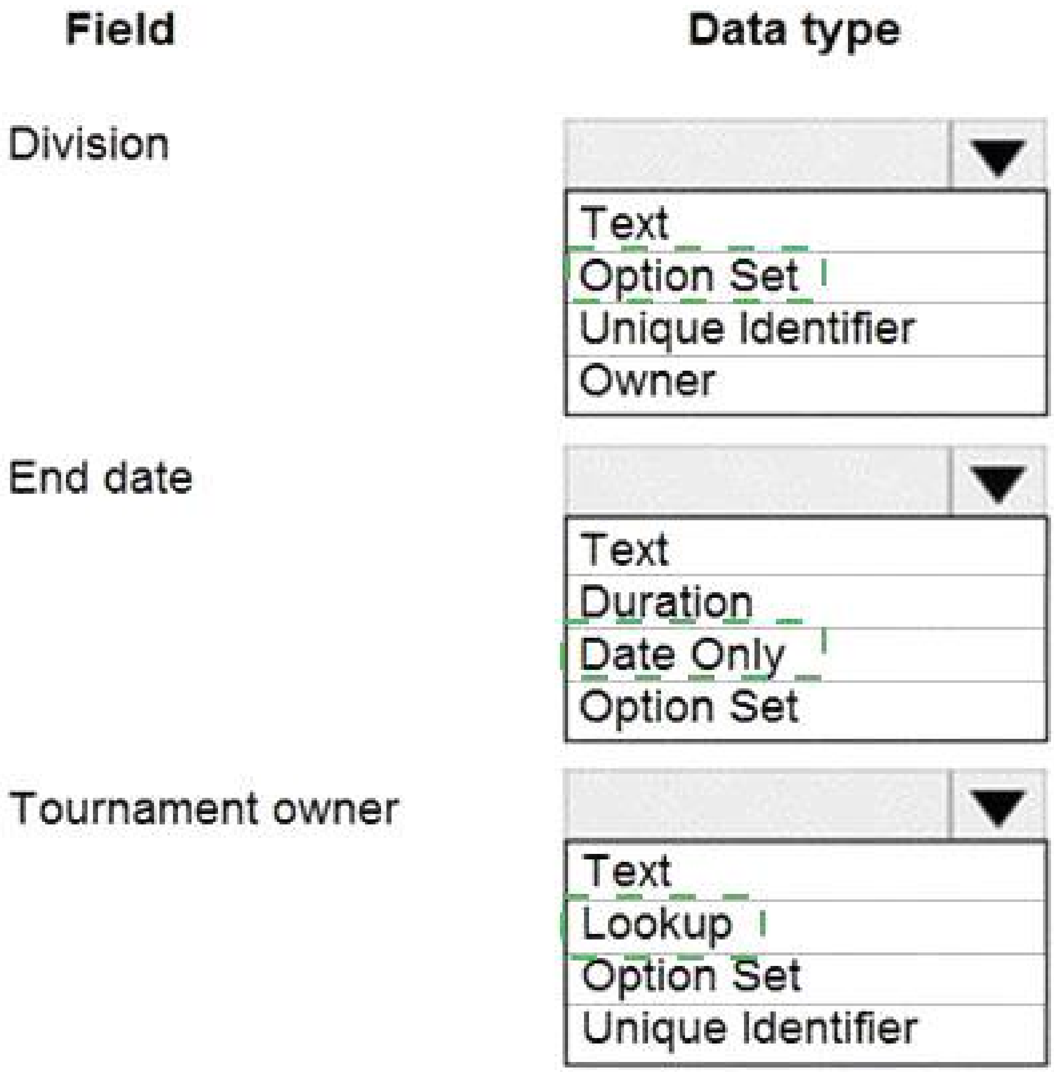
どのデータ型を使用する必要がありますか?

回答するには、回答領域で適切なオプションを選択してください。

注: 正しく選択するたびに 1 ポイントの価値があります。


Field
Data type
Division
Text
Option Set
Unique Identifier
Owner
End date
Text
Duration
Date Only
Option Set
Tournament owner
Text
Lookup
Option Set
Unique Identifier

Answer:



Explanation:
Box 1: Option Set
Box 2: Date only
When team members create tournament records they must enter the start date for a tournament. The end date of the tournament must be automatically calculated.
Box 3: Lookup
Customer information is stored in the Accounts entity. Each tournament record must list the associated sales representative as the tournament owner.
Note: When you create a new lookup column you are creating a new Many-to-One (N:1) table relationship between the table you're working with and the Target Row Type defined for the lookup. There are additional configuration options for this relationship that are described in Create and edit relationships between tables.
But all custom lookups can only allow for a reference to a single row for a single target row type.
Reference:
https://docs.microsoft.com/en-us/powerapps/maker/data-platform/types-of-fields

QUESTION NO: 19

アプリのコネクタを選択する必要があります。
どのタイプのコネクタを使用する必要がありますか?
回答するには、適切なコネクタを正しい要件にドラッグします。各コネクタは、1 回使用することも、複数回使用することも、まったく使用しないこともできます。コンテンツを表示するには、ペイン間で分割バーをドラッグするか、スクロールする必要がある場合があります。
注: 正しく選択するたびに 1 ポイントの価値があります。

Connectors
Create a custom connector.
Use an AppSource connector.
Use a native application function.
Create a connector with a Postman collection.

Requirement	Connectors
View full registration records.	
View customer names.	
View daily registrations.	

Answer:

Connectors
Create a custom connector.
Use an AppSource connector.
Use a native application function.
Create a connector with a Postman collection.

Requirement	Connectors
View full registration records.	Create a custom connector.
View customer names.	Use an AppSource connector.
View daily registrations.	Use a native application function.

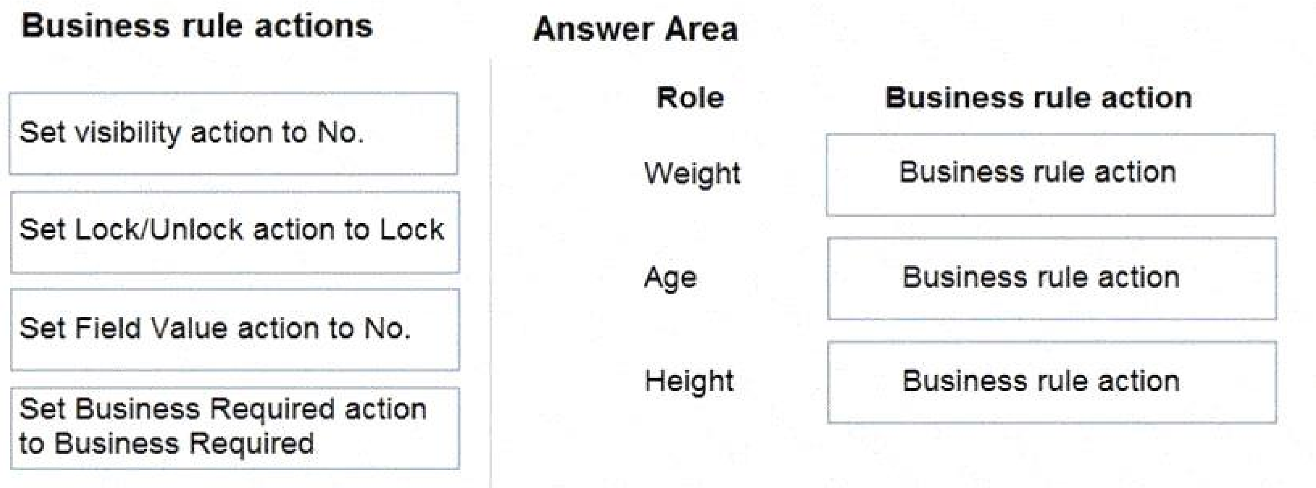
Explanation:

Requirement	Connectors
View full registration records.	Create a custom connector.
View customer names.	Use an AppSource connector.
View daily registrations.	Use a native application function.

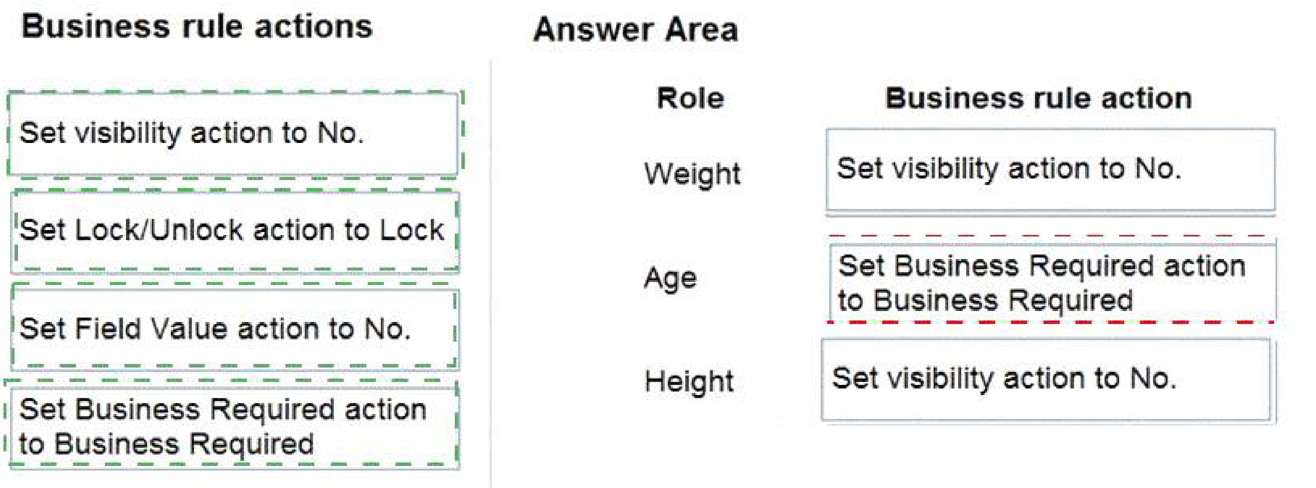
Box 1: Create a custom connector
A custom connector is a wrapper around a REST API (Logic Apps also supports SOAP APIs) that allows Logic Apps, Power Automate, or Power Apps to communicate with that REST or SOAP API.
Box 2: Use an AppSource connector
You can only retrieve the Customer, UnifiedActivity, and Segments entities through the Power Apps connector. Other entities are shown because the underlying connector supports them through triggers in Power Automate.
Scenario: Customer information is stored in the Accounts entity.
Box 3: Use a native application function
You must produce a report that details the number of registrations for a day and send the

report as a PDF to the management team.
Reference:
https://docs.microsoft.com/en-us/connectors/custom-connectors/
https://docs.microsoft.com/en-us/dynamics365/customer-insights/audience-insights/export-power-apps

QUESTION NO: 20
サッカー
トーナメントに登録するプレーヤーのルールを実装する方法を決定する必要があります。
どのビジネス ルール アクションを使用する必要がありますか?
答えるには、適切なビジネス ルール
アクションを正しいフィールドにドラッグします。各ビジネス ルール アクションは、1
回だけ使用することも、複数回使用することも、まったく使用しないこともできます。コンテンツを表示するには、ペイン間で分割バーをドラッグするか、スクロールする必要がある場合があります。
注: 正しく選択するたびに 1 ポイントの価値があります。



Answer:



Explanation:

Role	Business rule action
Weight	Set visibility action to No.
Age	Set Business Required action to Business Required
Height	Set visibility action to No.

Scenario:

Division	Requirement
Baseball	Capture the age and weight of the player. The height field must not display.
Hockey	Capture the age, height, and weight of the player.
Soccer	Capture the age of the player. The height and weight fields must not display.

Weight: Set visibility action to No.
Age: Set Business Required action to Business required
Height: Set visibility action to No.

QUESTION NO: 21
UpdateRecord.js でエラーを処理する必要があります。
UR06 行目にどのコード セグメントを追加する必要がありますか?
A. キャッチ(エラー) {
alert("キャッチされたエラー: " + error.message);}
B. 例外例外 = Server.GetLastError() ;
if(例外 != null)}
C. catch(例外 e){
console.writeline(e)}
D. 関数 (エラー){
コンソール.ログ(エラー.メッセージ)}
Answer: A
Explanation:
https://docs.microsoft.com/en-us/powerapps/developer/model-driven-apps/clientapi/reference/xrm-webapi/updaterecord

QUESTION NO: 22
インターン生がアプリを使用する際に報告した問題の主な原因を特定する必要があります。
主な原因は何ですか?

A. インターンはシステム カスタマイザー セキュリティ
ロールを持っていますが、環境メーカー セキュリティ ロールが必要です。
B. インターンは Common Data Service ユーザー セキュリティ
ロールを持っていますが、Environment Maker セキュリティ ロールが必要です。
C. インターン生は、Environment Maker セキュリティ ロールを持っていますが、Common Data Service User セキュリティ ロールが必要です。
D. インターン生は、Environment Maker セキュリティ ロールを持っていますが、System Customizer セキュリティ ロールが必要です。
E. インターン生には、Environment Maker セキュリティ ロールがありますが、Delegate セキュリティ ロールが必要です。
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.
Reference:
https://docs.microsoft.com/en-us/power-platform/admin/database-security

QUESTION NO: 23
医療機関向けのPower
Platformソリューションを開発しています。医療機関で働く医師の詳細情報を記録するために、「Doctors」というカスタムテーブルを作成します。
各医師の行に医師の医師免許証の PDF コピーを添付できる必要があります。
テーブルを構成する必要があります。
何をすべきでしょうか?
A. Doctor テーブルと Notes テーブルの間にリレーションシップを作成します。
B. テーブル オプションに移動し、添付ファイルを有効にします。
C. 列オプションに移動し、添付ファイルを有効にします。
D. 添付ファイルを追加する Power Automate フローを作成します。
Answer: C
Explanation:
A file column is used for storing file data up to a specified maximum size. A custom or customizable table can have zero or more file columns plus a notes (annotation) collection with zero to one attachment in each note.
Reference:
https://docs.microsoft.com/en-us/powerapps/developer/data-platform/file-attributes

QUESTION NO: 24
登録フォームのイベント処理用のスクリプトを追加する必要があります。
どのコードセグメントを使用する必要がありますか?

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/addonload\

QUESTION NO: 25
紹介の自動化をサポートするようにシステムを構成する必要があります。
目標を達成するために考えられる 2 つの方法は何ですか?
それぞれの正しい選択は完全な解決策を示します。
注: 正しく選択するたびに 1 ポイントの価値があります。
A. Discovery サービスを使用する Azure 関数
B. ワークフロー拡張
C. リスナーを使用する Azure 関数
D. Power Automate フロー
Answer: C D
Explanation:
https://docs.microsoft.com/en-us/dotnet/api/system.io.filesystemwatcher
https://docs.microsoft.com/en-us
/power-automate/

QUESTION NO: 26
ユーザーのグループにセキュリティ ロールを割り当てる必要があります。
どのセキュリティ ロールを使用する必要がありますか? 回答するには、適切なセキュリティ タイプを正しいロールにドラッグします。各セキュリティ タイプは、1
回だけ使用することも、複数回使用することも、まったく使用しないこともできます。コンテンツを表示するには、ペイン間で分割バーをドラッグするか、スクロールする必要がある場合があります。
注: 正しく選択するたびに 1 ポイントの価値があります。

Security types

- Environment Maker
- System Administrator
- Common Data Service User
- System Customizer

Answer Area

Role	Security type
Intern	Security type
Manager	Security type
Sales representative	Security type

Answer:

Security types

- Environment Maker
- System Administrator
- Common Data Service User
- System Customizer

Answer Area

Role	Security type
Intern	Environment Maker
Manager	System Administrator
Sales representative	Common Data Service User

Explanation:

Role	Security type
Intern	Environment Maker
Manager	System Administrator
Sales representative	Common Data Service User

Explanation:
Scenario: The company identifies the following job roles:

Role	Tasks
Sales representative	These users will enter data into Dynamics 365 Customer Service.
Intern	These users will create Power Apps apps, and connectors, and create Power Automate flows.
Manager	These users will add users, assign security roles, and manage data storage.

You must grant users the minimum permissions required to perform their job tasks.
Intern: Environment Maker
Environment Maker: 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.
Manager: System Administrator:
System Administrator: Has full permission to customize or administer the environment, including creating, modifying, and assigning security roles. Can view all data in the environment.
Sales representative: Common Data Service User
Basic User/ Common Data Service User: Read (self), Create (self), Write (self), Delete (self)
Can run an app within the environment and perform common tasks for the records that they own.

QUESTION NO: 27
ユーザー インターフェイスの問題に対処する必要があります。
あなたは何をするべきか？回答するには、適切なアクションを正しい問題にドラッグします。各アクションは、1
回だけ使用することも、複数回使用することも、まったく使用しないこともできます。コンテンツを表示するには、ペイン間で分割バーをドラッグするか、スクロールする必要がある場合があります。
注: 正しく選択するたびに 1 ポイントの価値があります。

Actions

- Add `&ribbondebug=true` to the end of the application URL.
- Export the XML file.
- Modify the RibbonWSS.xsd file.
- Use Ribbon Workbench.

Requirement	Action
Resolve rendering issue for New and Save buttons.	
Add email button for registration form.	

Answer:

Actions	Requirement	Action
Add &ribbondebug=true to the end of the application URL.	Resolve rendering issue for New and Save buttons.	Add &ribbondebug=true to the end of the application URL.
Export the XML file.	Add email button for registration form.	Use Ribbon Workbench.
Modify the RibbonWSS.xsd file.		
Use Ribbon Workbench.		

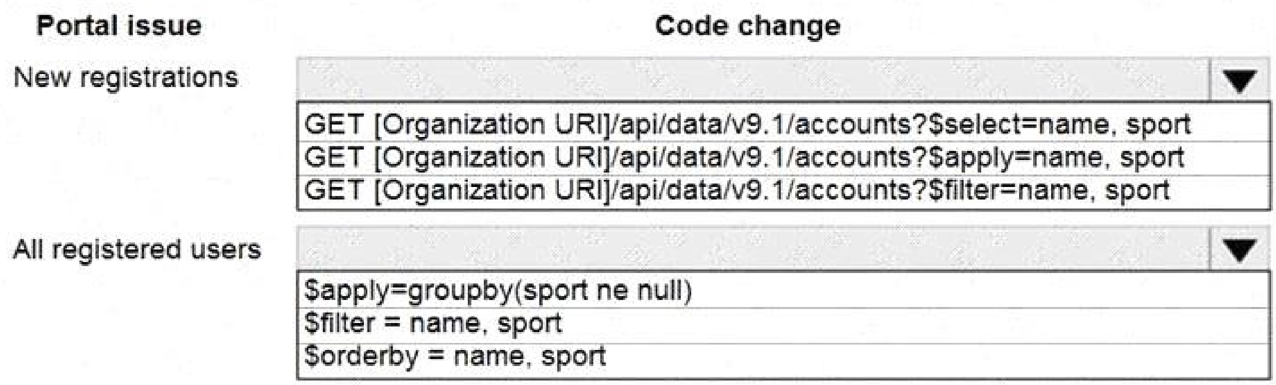
Explanation:

Requirement	Action
Resolve rendering issue for New and Save buttons.	Add &ribbondebug=true to the end of the application URL.
Add email button for registration form.	Use Ribbon Workbench.

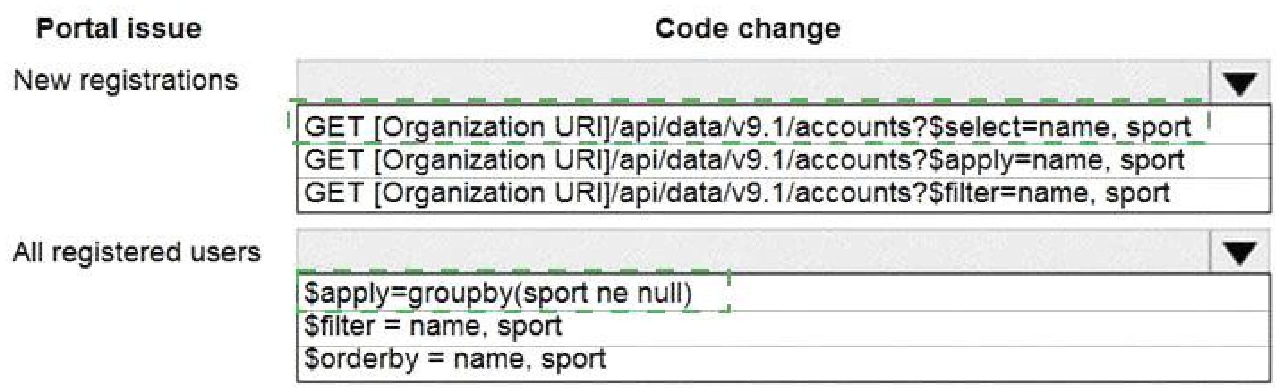
Box 1: Add &ribbondebug=true to the end of the application URL.
Scenario: The captions for the New and Save buttons do not render properly on the form.
You can use the an in-app tool called the Command Checker to inspect the ribbon component definitions to help us determine why the button is not rendered correctly.
To enable the Command Checker, you must append a parameter &ribbondebug=true to your D365 application URL. For example:
https://yourorgname.crm.dynamics.com/main.aspx?appid=9ab590fc-d25e-ea11-a81d-000d3ac2b3e6&ribbondebug=true
Box 2: Use the Ribbon Workbench
Adding Buttons to Ribbons
* Download and install Ribbon Workbench.
* Select a suitable ICON for your button.
* Create a solution.
* Edit the button in Ribbon Workbench.
* Publish and test.
Reference:
https://support.microsoft.com/en-us/help/4552163/ribbon-troubleshooting-guide

https://neilparkhurst.com/2015/10/19/adding-buttons-to-ribbons/

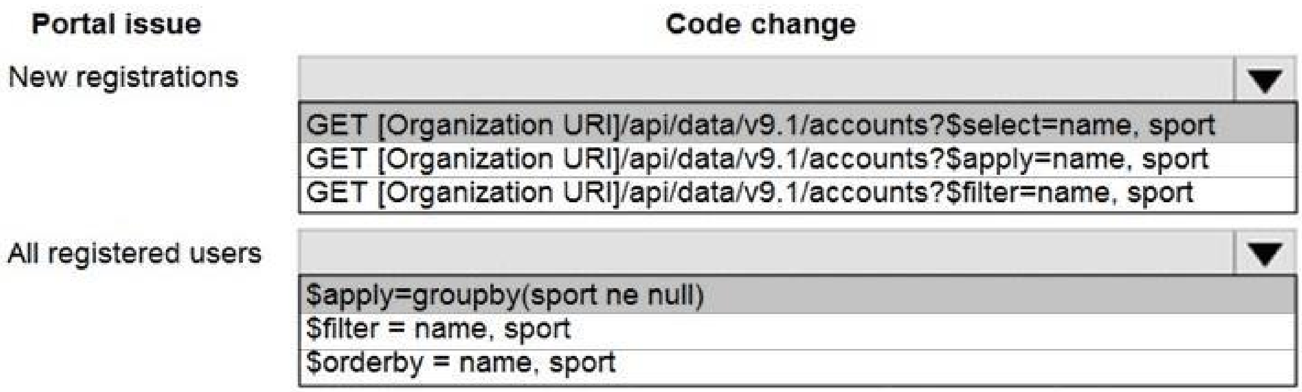
QUESTION NO: 28
ポータルのクエリの問題を修正する必要があります。
どのコードを使用する必要がありますか?
回答するには、回答領域で適切なオプションを選択してください。
注: 正しく選択するたびに 1 ポイントの価値があります。



Answer:



Explanation:



Scenario: The query for all registered users must return the data categorized by division. Queries must return only the Name and Sport fields. Queries return all fields. The query is as follows:

```
GET [Organization URI]/api/data/v9.1/accounts?
&$orderby=Name, sport
&$filter=sport ne null
```

Box 1: GET ..$select=name, sport
Use select to return only the Name and Sport fields.
Box 2: $apply(groupby(sport ne null)
Categorize by division, that is to sports.

QUESTION NO: 29
カスタム テーブルに行を作成するプラグインを作成します。
カスタム テーブルに行を作成する権限を持つのは一部のユーザーのみです。
最小権限の原則を使用して、すべてのユーザーに対してプラグインの実行を許可する必要があります。
何をすべきでしょうか?
A. プラグイン ステップでシステム管理者のセキュリティ
ロールを持つユーザーに、ユーザーのコンテキストでの実行を設定します。
B. すべてのユーザーのセキュリティ ロールの 1
つに、別のユーザーの代理として操作する権限が割り当てられていることを確認します。
C. プラグイン
ステップで、ユーザーのコンテキストでの実行を呼び出し元ユーザーに設定します。
D. すべてのユーザーに環境作成者ロールが付与されていることを確認します。
Answer: B

QUESTION NO: 30
フォームにイベント データを入力するにはスクリプトを追加する必要があります。
どのコードセグメントを使用する必要がありますか?
A. formContext.data.addOnLoad(myFunction)
B. formContext.data.removeOnLoad(myFunction)
C. formContext.data.entity.addOnSave(myFunction)
D. addOnPreProcessStatusChange
E. formContext.data.isValid()
Answer: A
Topic 3, Contoso Pharmaceuticals
Case study
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.
At the end of this case study, a review screen will appear. This screen allows you to review

your answers and to make changes before you move to the next section of the exam. After you begin a new section, you cannot return to this section.
To start the case study
To display the first question in this case study, click the Next button. Use the buttons in the left pane to explore the content of the case study before you answer the questions. Clicking these buttons displays information such as business requirements, existing environment, and problem statements. If the case study has an All Information tab, note that the information displayed is identical to the information displayed on the subsequent tabs. When you are ready to answer a question, click the Question button to return to the question.
Background
Contoso Pharmaceuticals manufactures and sells drugs to retail and wholesale pharmacies, hospitals, and research facilities.
The company plans to implement Dynamics 365 Sales and Dynamics 365 Finance.
Current environment
* Contoso maintains a Microsoft Excel workbook that lists all drugs they supply.
* Pharmacies submit order requests through email.
* All information at customer locations is handwritten by customer representatives.
* Contoso uses Cerner, which is a medical industry application that uses a proprietary database.
* Some accounts are referrals from other pharmacies.
* Every pharmacy has its own Dynamics 365 Sales instance.
Requirements
General
Contoso wants to ensure that there is minimal custom code and custom connectors in the system.
Accounts
* Ensure that the names of the pharmacies are synced between the accounting and the customer management systems.
* Account numbers should be entered automatically into the pharmaceutical system that is in a Cerner database and kept in sync.
* When the account is entered into the system, extra fields must appear if the referral customer box is selected. If the box is not selected, the extra fields must not appear.
* A trigger must be created that changes the Priority field to 1 in the Account record 10 days after an Account record is created.
* A field named Priority_Trigger must be created to trigger the Priority field.
* A field named Facility type field must be added in order to select whether a customer is a retail pharmacy, wholesale pharmacy, research facility, or hospital.
Users
* UserA must be able to create and publish Power Apps apps.
* UserB must be the owner of all the systems and be able to provide permissions and create all new environments.
* UserC must be able to create apps connected to the systems and update the security roles and entities.
* Pharmacy representatives must only be able to run the apps and access their own records.
* Access to the accounting Power Apps app must be restricted to accounting team members.

* End users must have minimum access to the required systems.
* Only supervisors must be able to view phone numbers in the Accounts form.
* Developers must be able to create new apps for all users.
* Sales users must only have access to their own records.

Reporting

Pharmacy orders must be displayed in four graphs as follows:

* Annual revenue over $100,000
* Annual revenues under $100,000
* Research facilities
* Hospitals

The graphs must be interactive, and users must be able to drill down on any dimension.

Customizations

* Ensure that notifications are sent to the sales team when a lead is added by using Slack.
* Ensure that leads have a review stage added to the sales process.
* Doctors must be manually added to a custom entity named Doctor if the doctor is not listed.
* Refill dates for customer prescriptions should be automatically determined and a notification should be sent to the customer.
* Fields for the doctor's name and phone number must be displayed in the customer record.
* The doctor entered on the customer's record must be validated against doctors that exist in the system.
* The new solution will be sold to other pharmacies for use. The application must not allow changes to be made.
* The solution must be error free so that when it is installed in other environments it does not cause issues.
* A custom mobile app must be created to allow salespeople to add or search by pharmacy name.
* Pharmacy records must be uniquely identified by pharmacy name, address, contact name, and phone number.
* When a pharmacy is added by using the mobile app, the phone number must be validated to be all digits.

QUESTION NO: 31

紹介用のモデル駆動型アプリを作成する必要があります。
どの機能を追加する必要がありますか?

A. 流れ

B. ワークフロー

C. ビジネスルール

D. チャート

E. サブグリッド

Answer: C

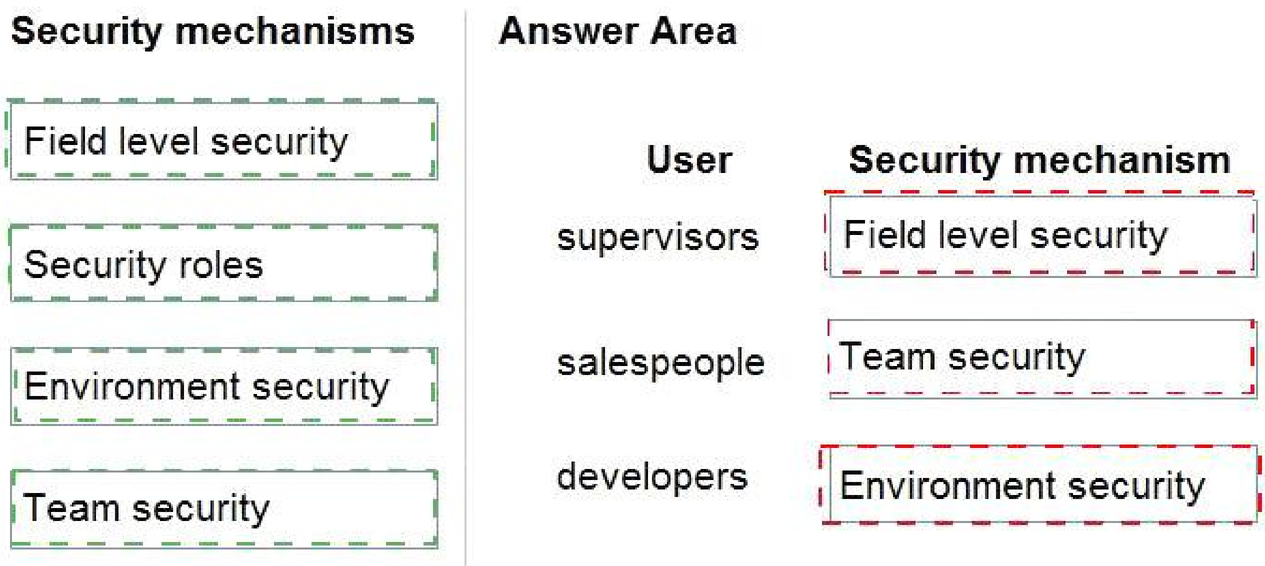
Explanation:

Scenario: When the account is entered into the system, extra fields must appear if the referral customer box is selected. If the box is not selected, the extra fields must not appear.

QUESTION NO: 32

要件を満たすためにセキュリティを設定する必要があります。
セキュリティをどのように設定すればよいでしょうか? 答えるには、適切なセキュリティ メカニズムを正しいユーザーにドラッグします。各セキュリティ メカニズムは、1 回だけ使用することも、複数回使用することも、まったく使用しないこともできます。コンテンツを表示するには、ペイン間で分割バーをドラッグするか、スクロールする必要がある場合があります。
注: 正しく選択するたびに 1 ポイントの価値があります。

Answer:



Explanation:
Box 1: Field level security
Only supervisors must be able to view phone numbers in the Accounts form.
You use field security tables to apply field-level security, which restricts field access to specified users and teams. The scope of field-level security is global, which means that it applies to all records within the organization, regardless of the business unit hierarchical level to which the record or the user belongs. Field security works in all Microsoft Dataverse clients, including the Web client, Dynamics 365 for Outlook, and Dynamics. It applies to all components, such as the Dataverse web services, reports, search, offline, filtered views,

auditing, and duplicate detection.
Box 2: Team Security
Sales users must only have access to their own records.
Owner team: An owner team owns records and has security roles assigned to the team. A user's privileges can come from their individual security roles, those of the teams that they're part of or the ones they inherit. A team has full access rights on the records that the team owns. Team members are added manually to the owner team.
Box 3: Environment security
Developers must be able to create new apps for all users.
Environment maker: 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.
Reference:
https://docs.microsoft.com/en-us/powerapps/developer/data-platform/field-security-entities
https://docs.microsoft.com/en-us/power-platform/admin/database-security
https://docs.microsoft.com/en-us/power-platform/admin/database-security
https://docs.microsoft.com/en-us/power-platform/admin/manage-teams - types-of-teams
https://docs.microsoft.com/en-us/power-platform/admin/manage-teams#types-of-teams

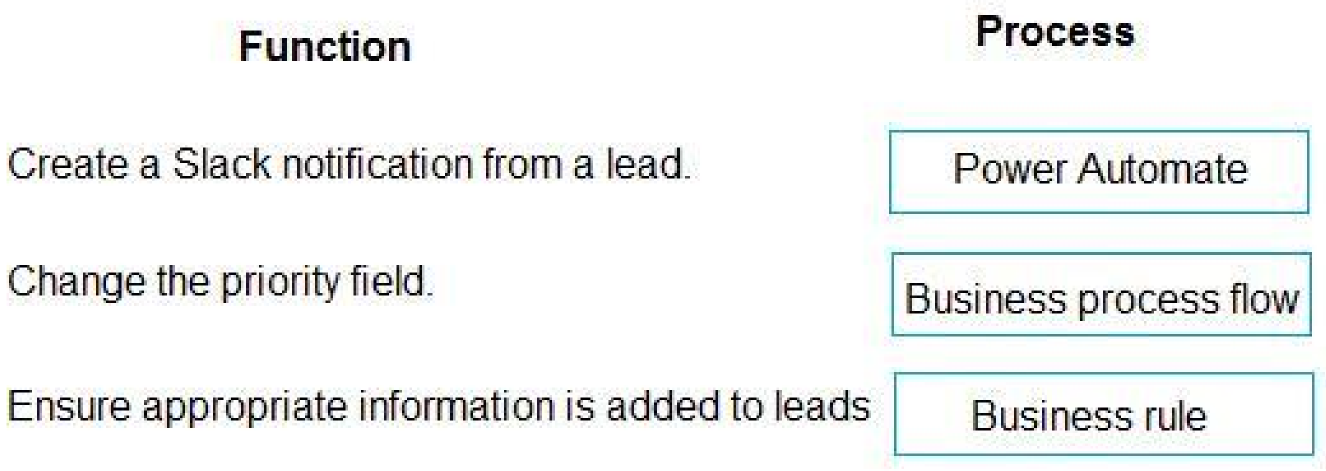
QUESTION NO: 33
各関数を作成するプロセスを選択する必要があります。
どのプロセスを使用する必要がありますか?
答えるには、適切なプロセスを正しい関数にドラッグします。各プロセスは 1 回だけ使用することも、複数回使用することも、まったく使用しないこともできます。コンテンツを表示するには、ペイン間で分割バーをドラッグするか、スクロールする必要がある場合があります。
注: 正しく選択するたびに 1 ポイントの価値があります。

Processes	Function	Process
Power Automate	Create a Slack notification from a lead.	
Business rule	Change the priority field.	
Business process flow	Ensure appropriate information is added to leads	

Answer:

Processes	Function	Process
Power Automate	Create a Slack notification from a lead.	Power Automate
Business rule	Change the priority field.	Business process flow
Business process flow	Ensure appropriate information is added to leads	Business rule

Explanation:



Box 1: Power Automate
Ensure that notifications are sent to the sales team when a lead is added by using Slack
Power Automate is a service that helps you create automated workflows between your favorite apps and services to synchronize files, get notifications, collect data, and more.
Box 2: Business rule
A trigger must be created that changes the Priority field to 1 in the Account record 10 days after an account record is created.
A field named Priority_Trigger must be created to trigger the Priority field.
Business rules provide a simple interface to implement and maintain fast-changing and commonly used rules.
Box 3: Business process flow
Ensure that leads have a review stage added to the sales process.
Use business process flows to define a set of steps for people to follow to take them to a desired outcome.
These steps provide a visual indicator that tells people where they are in the business process.
Reference:
https://docs.microsoft.com/en-us/power-automate/
https://docs.microsoft.com/en-us/dynamics365/customerengagement/on-premises/customize/create-business- rules-recommendations-apply-logic-form
https://docs.microsoft.com/en-us/power-automate/business-process-flows-overview

QUESTION NO: 34
他の薬局に展開するアプリケーションを作成する必要があります。
あなたは何をするべきか？
A. 新しい環境でカスタマイズを再作成します。
B. 薬局のシステムを会社のシステムに接続するための顧客コネクタを作成します。
C. ソリューションをマネージド ソリューションとしてエクスポートします。
D. カスタマイズを移動するための Web API を作成します。
Answer: C
Explanation:
When you export a managed solution, it contains all the changes that have been applied for

that solution into a file that you can then import into a different Dataverse environment.
Reference:
https://docs.microsoft.com/en-us/powerapps/developer/data-platform/introduction-solutions

QUESTION NO: 35
顧客のモバイル アプリを作成する必要があります。
どのタイプの関数式を使用する必要がありますか?
A. フィルター
B. 検索
C. ルックアップ
Answer: C
Explanation:
The LookUp function finds the first record in a table that satisfies a formula. Use LookUp to find a single record that matches one or more criteria.
Reference:
https://docs.microsoft.com/en-us/powerapps/maker/canvas-apps/functions/function-filter-lookup