MB-820$^{Q\&As}$

Microsoft Dynamics 365 Business Central Developer

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QUESTION 1

A company plans to meet new regulatory requirements.

The regulator has issued new tax tiers.

You need to update the base application table by using a table extension.

Which table field property can you change?

A. CalcFormula

B. DecimalPlaces

C. BlankZero

D. AutoFormatType

Correct Answer: B

When updating the base application table using a table extension in Microsoft Dynamics 365 Business Central, certain properties of table fields can be modified to meet new requirements, such as regulatory changes. The DecimalPlaces property (B) is one such property that can be adjusted in a table extension. This property determines the number of decimal places that are displayed and stored for decimal fields in the table. Adjusting the DecimalPlaces property can be particularly useful when dealing with financial data and tax calculations that require precision to meet new tax tiers set by a regulator. It\\'s important to note that not all properties can be modified in a table extension; for example, the CalcFormula property (A) cannot be changed as it affects how the field\\'s value is calculated, which could have significant implications on the base application\\'s logic.

QUESTION 2

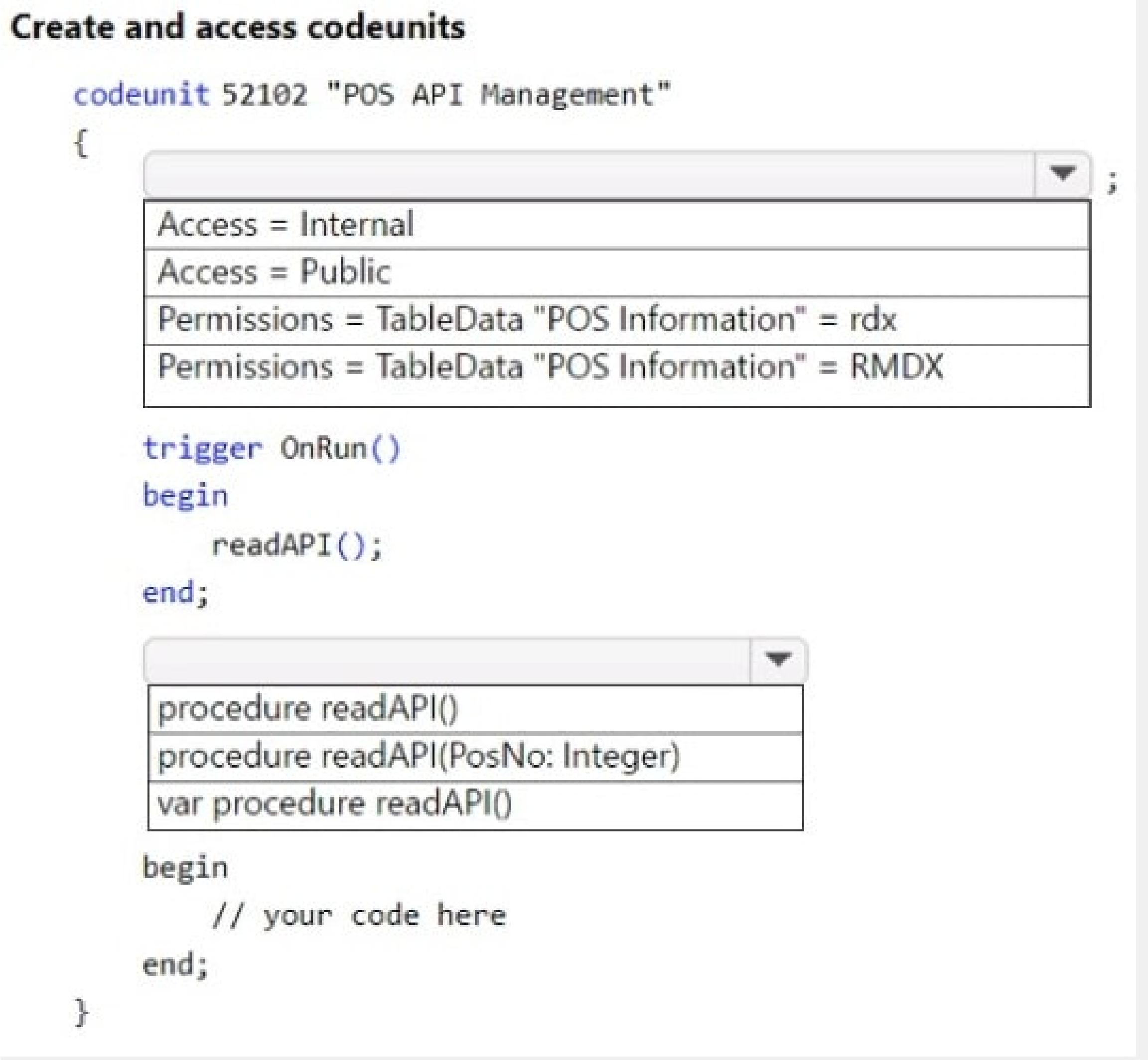
HOTSPOT

You need to create the codeunit to read the POS terminal APIs.

How should you complete the code segment? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:



Create and access codeunits

```
codeunit 52102 "POS API Management"
{
                                                        ;
```

Access = Internal

Access = Public

Permissions = TableData "POS Information" = rdx

Permissions = TableData "POS Information" = RMDX

```
    trigger OnRun()
    begin
        readAPI();
    end;
```

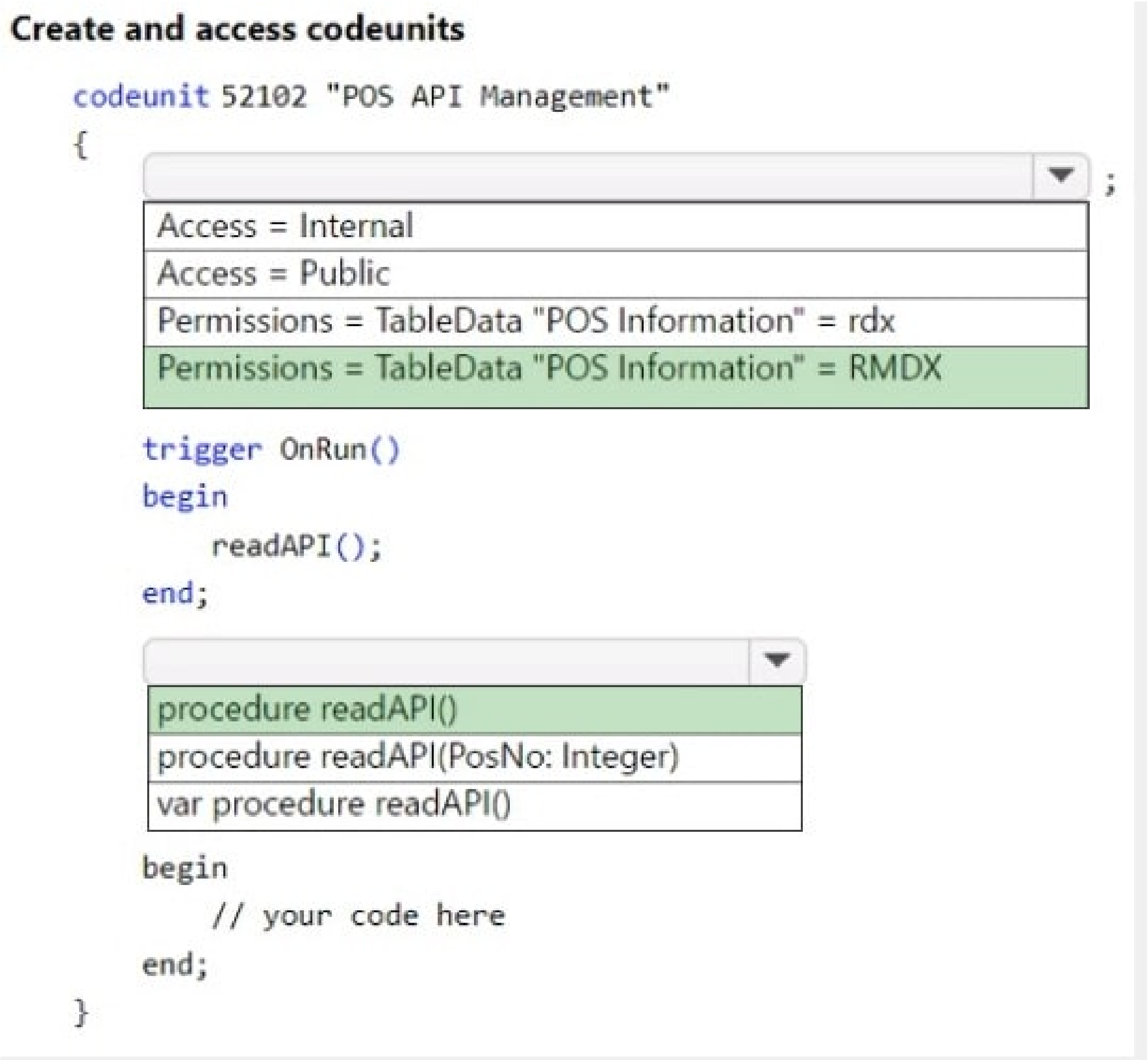
procedure readAPI()

procedure readAPI(PosNo: Integer)

var procedure readAPI()

```
    begin
        // your code here
    end;
}
```

Correct Answer:



Create and access codeunits

```
codeunit 52102 "POS API Management"
{
    [dropdown] ;
        Access = Internal
        Access = Public
        Permissions = TableData "POS Information" = rdx
        [✓ Permissions = TableData "POS Information" = RMDX]

    trigger OnRun()
    begin
        readAPI();
    end;

    [dropdown]
        [✓ procedure readAPI()]
        procedure readAPI(PosNo: Integer)
        var procedure readAPI()
    begin
        // your code here
    end;
}
```

Box 1: Permissions = TableData "POS Information" = RMDX

Define permissions on the table. Include Modify (M).

Scenario:

The company requires a codeunit called from a job queue to read the information from the POS terminal APIs.

The POS terminal information must be stored in a table named POS Information, have an ID 50100, and be editable on a page.

Incorrect:

*

Permissions = TableData "POS Information" = rdx

*

Access = Internal

Would be permission to use the code/module.

Note: Access Property

Sets the object accessibility level, which controls whether the object can be used from other code in your module or other modules.

Note: Permissions Property

Sets whether an object has additional permission required to perform some operations on one or more tables. The operations can be to read, insert, modify, and delete data.

Applies to

Codeunit

Table

Request Page

Page

Xml Port

Report

Query

Permission Set

Permission Set Extension

Syntax: Permissions = TableData 1221 = rimd;

Box 2: Procedure readAPI()

Incorrect:

* Procedure readAPI(PosNo: Integer) No mention of PosNo in the scenario.

Note: To declare a local method, start the declaration with local:

local procedure Mymethod();

To declare a global method, omit local:

procedure Mymethod();

Parameters (optional)

A parameter is one or more variables or expressions that are sent to the method through the method call. The parameter provides information to the method, and the method can modify that information. In the method declaration, you place

the parameters in parentheses ().

Reference:

QUESTION 3

DRAG DROP

A company owns and operates hotels, restaurants, and stores.

When the staff orders materials from the purchasing department, the requests are not directed to the correct approvers.

The staff requires a new field named Approver from which they can select the appropriate approver. The field must include the following options:

1.

Hotel manager

2.

Restaurant manager

3.

Store manager

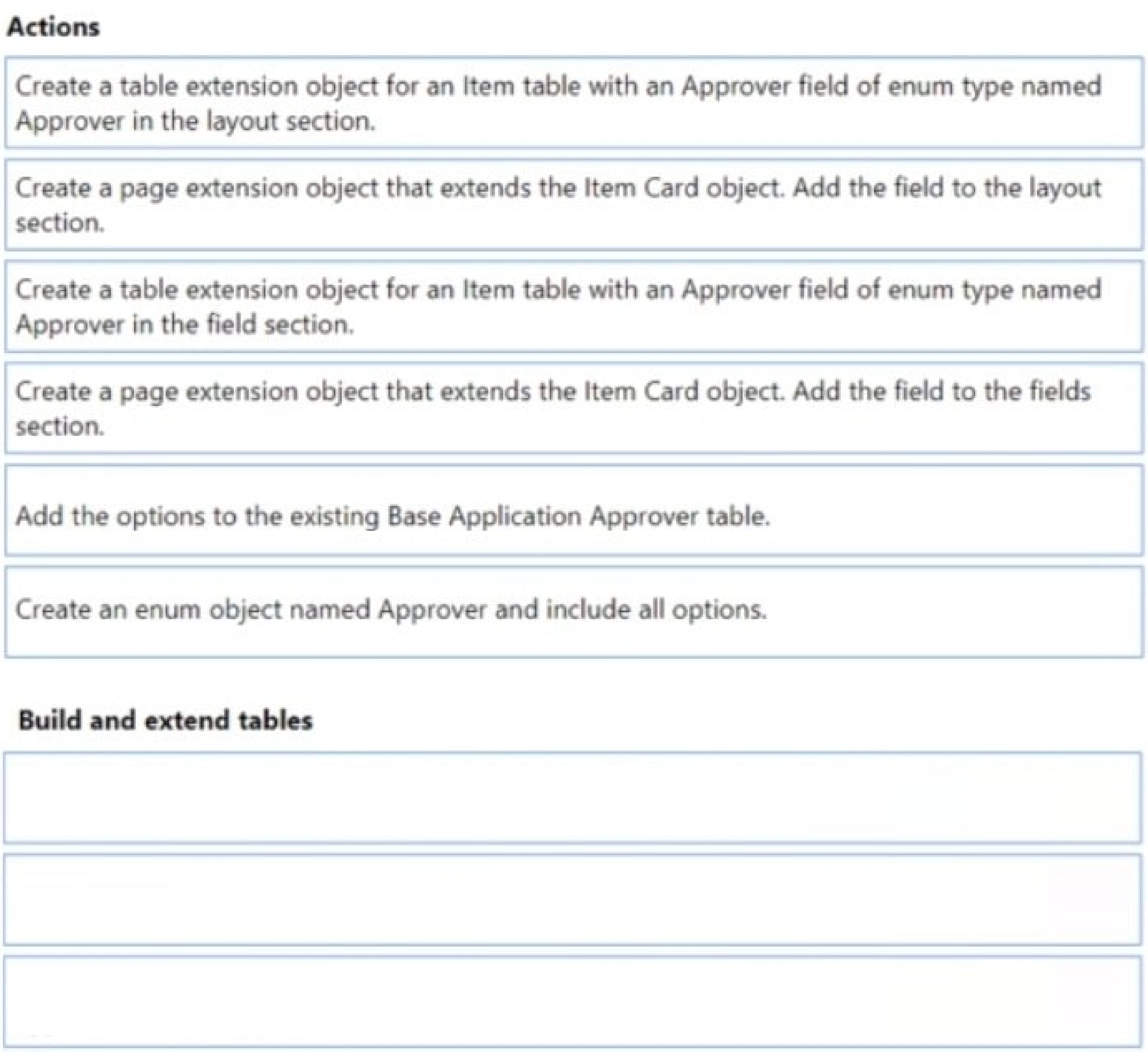
4.

Purchasing manager

You need to create the Approver field in the Item table by using an AL extension.

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.

Select and Place:



Actions

Create a table extension object for an Item table with an Approver field of enum type named Approver in the layout section.

Create a page extension object that extends the Item Card object. Add the field to the layout section.

Create a table extension object for an Item table with an Approver field of enum type named Approver in the field section.

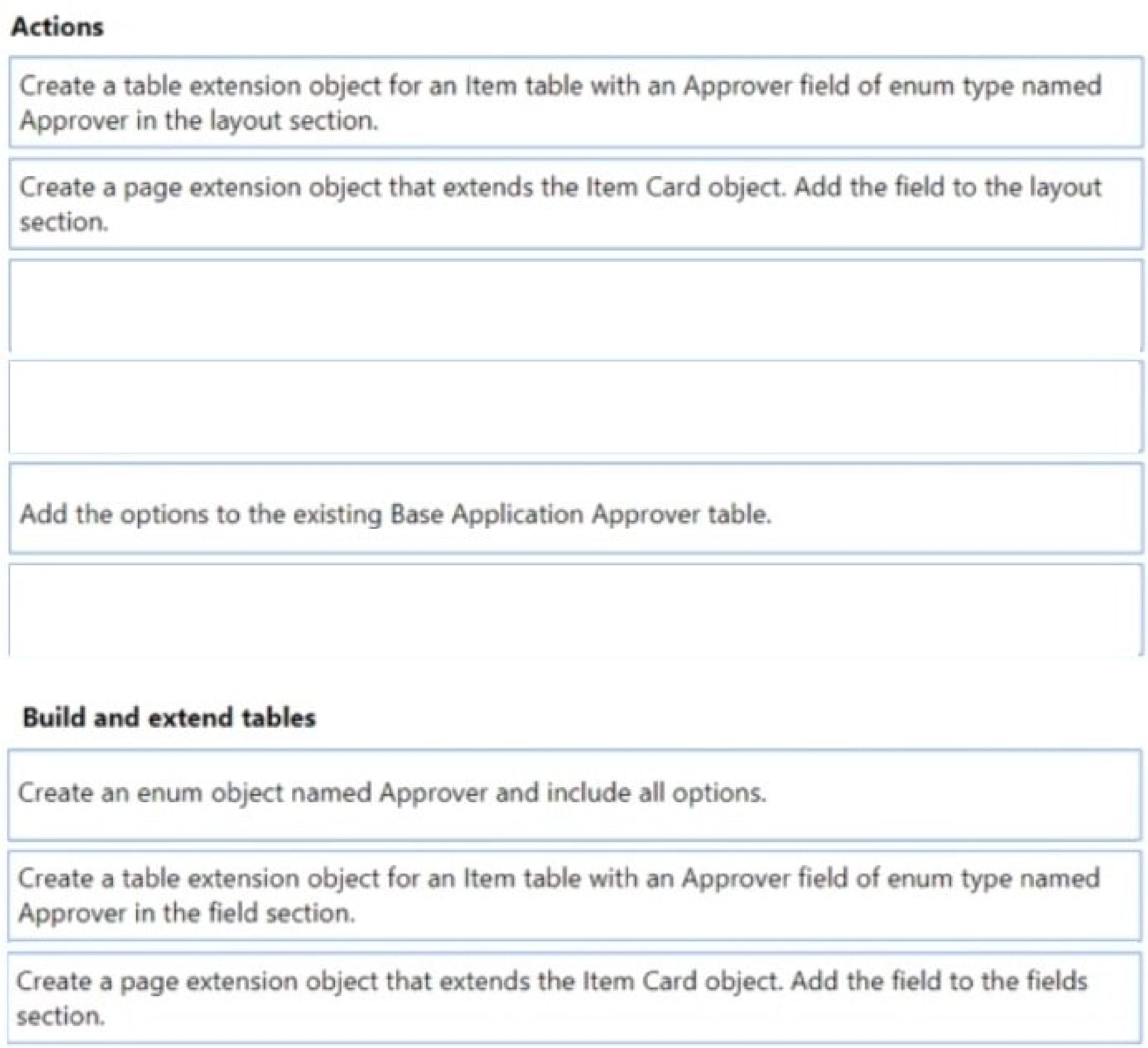
Create a page extension object that extends the Item Card object. Add the field to the fields section.

Add the options to the existing Base Application Approver table.

Create an enum object named Approver and include all options.

Build and extend tables

Correct Answer:



Actions

Create a table extension object for an Item table with an Approver field of enum type named Approver in the layout section.

Create a page extension object that extends the Item Card object. Add the field to the layout section.

Add the options to the existing Base Application Approver table.

Build and extend tables

Create an enum object named Approver and include all options.

Create a table extension object for an Item table with an Approver field of enum type named Approver in the field section.

Create a page extension object that extends the Item Card object. Add the field to the fields section.

To create the Approver field in the Item table using an AL extension, perform the following actions in sequence:

Create an enum object named Approver and include all options. Create a table extension object for an Item table with an Approver field of enum type named Approver in the fields section.

Create a page extension object that extends the Item Card object. Add the field to the fields section.

Build and extend tables:To add a new field to an existing table in Business Central using AL extension, you need to define an enumeration (enum) with the possible values for the new field. Then, you create a table extension object where you

add the new field and specify its type as the enum you created. This adds the field to the Item table. Finally, you modify the user interface to display the new field by creating a page extension for the Item Card page and adding the new field to

it.

QUESTION 4

HOTSPOT

You develop a test application.

You must meet the following requirements:

1.

Roll back changes to a test method after run time.

2.

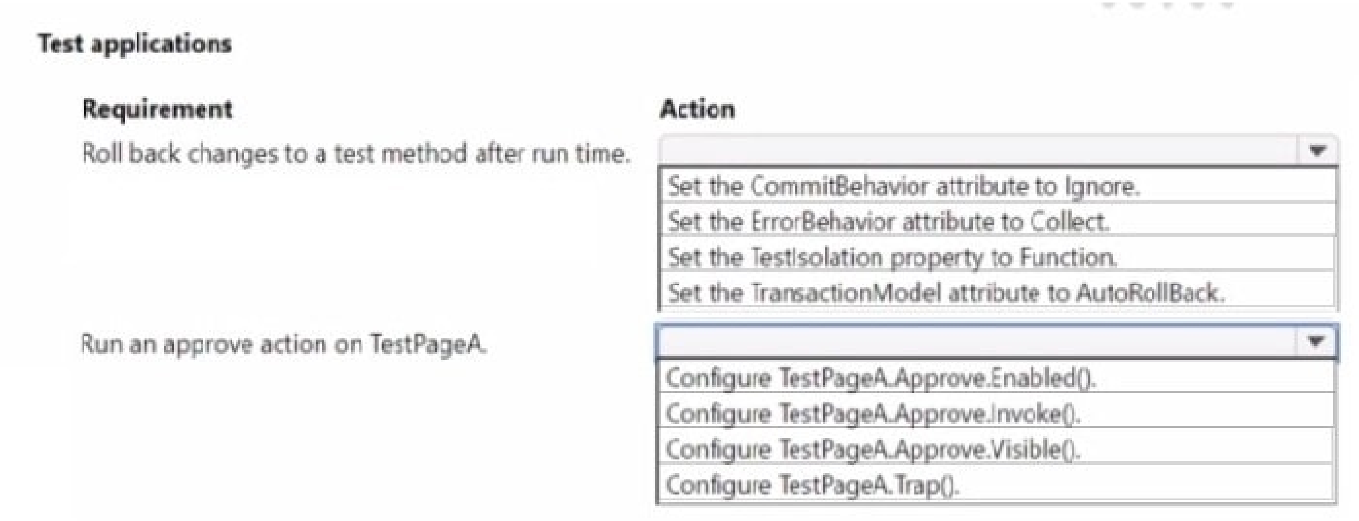
Run an approve action on a test page named TestPageA.

You need to implement the given requirements on the test codeunit

Which actions should you perform? To answer, select the appropriate options in the answer area

NOTE: Each correct selection is worth one point.

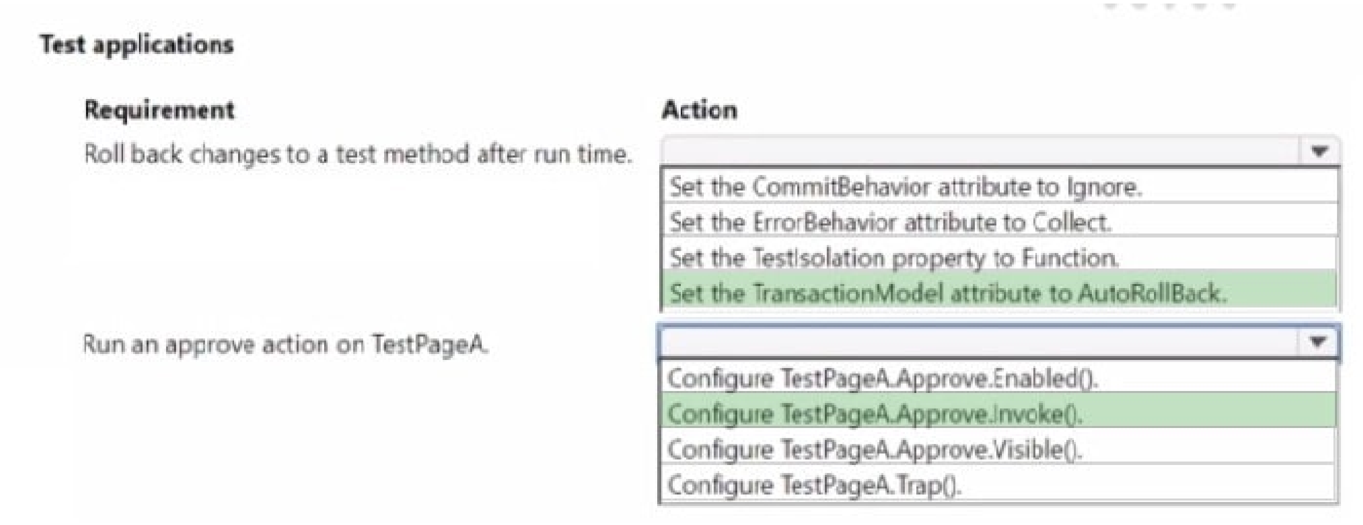
Hot Area:



Test applications

Requirement	Action
Roll back changes to a test method after run time.	Set the CommitBehavior attribute to Ignore. Set the ErrorBehavior attribute to Collect. Set the TestIsolation property to Function. Set the TransactionModel attribute to AutoRollBack.
Run an approve action on TestPageA.	Configure TestPageA.Approve.Enabled(). Configure TestPageA.Approve.Invoke(). Configure TestPageA.Approve.Visible(). Configure TestPageA.Trap().

Correct Answer:



Test applications

Requirement	Action
Roll back changes to a test method after run time.	Set the CommitBehavior attribute to Ignore. Set the ErrorBehavior attribute to Collect. Set the TestIsolation property to Function. 🟩 Set the TransactionModel attribute to AutoRollBack.
Run an approve action on TestPageA.	Configure TestPageA.Approve.Enabled(). 🟩 Configure TestPageA.Approve.Invoke(). Configure TestPageA.Approve.Visible(). Configure TestPageA.Trap().

To roll back changes to a test method after run time, you should:

Set the TransactionModel attribute to AutoRollback. To run an approve action on a test page named TestPageA, you should:

Configure TestPageA.Approve.Invoke().

In Business Central\\'s testing framework, the TransactionModel attribute can be set to AutoRollback. This ensures that any changes made during the test are rolled back after the test is complete, leaving the database in its original state. For

running an action on a test page, you would use the \\'Invoke\\' method on the action you wish to perform. In this case, to run an approve action on TestPageA, you would use TestPageA.Approve.Invoke() within your test codeunit. This simulates

the user action of approving something on the page.

These actions ensure that the testing environment is properly set up to test specific functionalities without persisting test data and to invoke actions as part of the test scenarios.

QUESTION 5

DRAG DROP

A company plans to deploy Business Central.

The company has the following deployment requirements:

1.

Use the company hardware architecture to run the deployment. ?Use sandbox environments to develop extensions.

2.

Allow tenants to connect to Shopify with the standard connector.

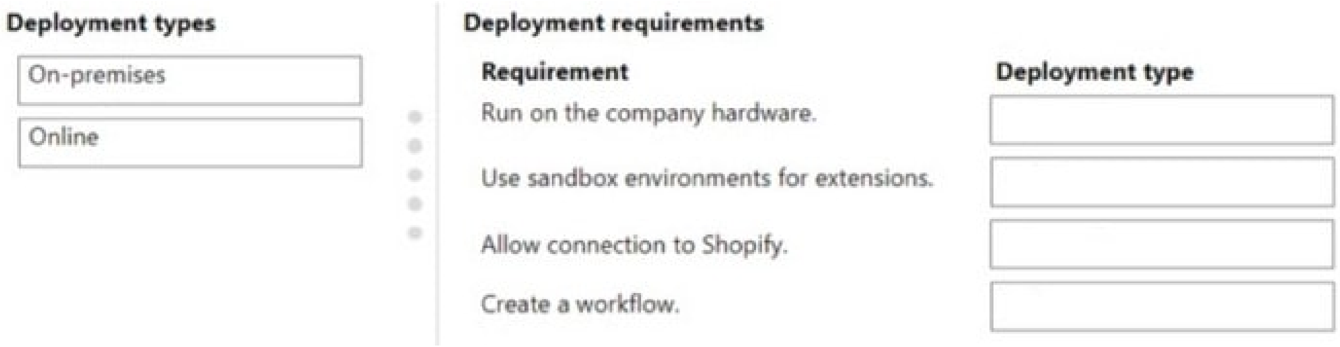
3.

Use Microsoft Power Automate to create a workflow that calls a business event.

You need to identify the deployment type for each requirement.

Which deployment types should you use? To answer, move the appropriate deployment types to the correct requirements. You may use each deployment type once, more than once, or not at all.

Select and Place:



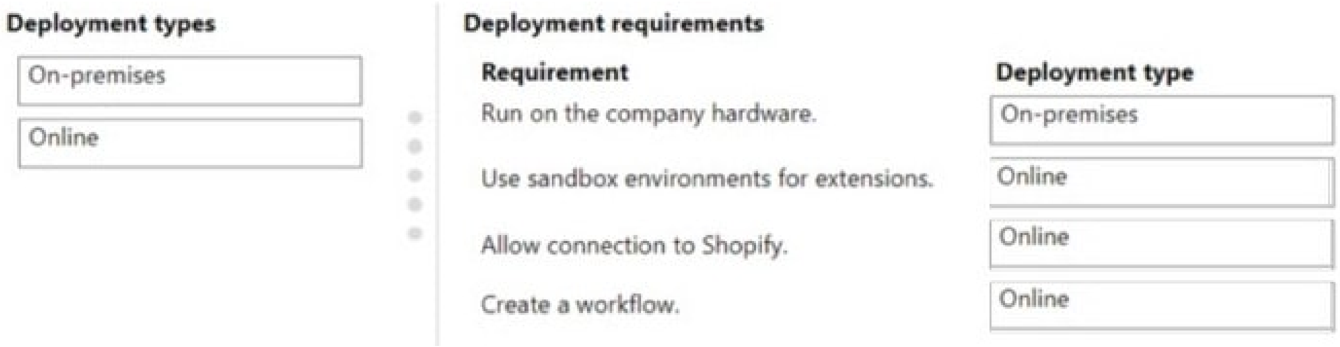
Deployment types

- On-premises
- Online

Deployment requirements

Requirement	Deployment type
Run on the company hardware.	
Use sandbox environments for extensions.	
Allow connection to Shopify.	
Create a workflow.	

Correct Answer:



Deployment types

- On-premises
- Online

Deployment requirements

Requirement	Deployment type
Run on the company hardware.	On-premises
Use sandbox environments for extensions.	Online
Allow connection to Shopify.	Online
Create a workflow.	Online

Use the company hardware architecture to run the deployment: On-premises Use sandbox environments to develop extensions: Online Allow tenants to connect to Shopify with the standard connector: Online Use Microsoft Power Automate to

create a workflow that calls a business event:

Online

When deploying Microsoft Dynamics 365 Business Central, there are two main deployment types to consider: On-premises and Online.

On-premises Deployment:

Online Deployment:

Therefore, each requirement aligns with the deployment types as indicated above.

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