



## Microsoft

### Exam Questions MB6-894

Development, Extensions and Deployment for Microsoft Dynamics 365 for Finance and Operations

### NEW QUESTION 1

You create a new class named NewClass1 in a model. NewClass1 manipulates the CustTable table in the protected method modifyCustTable. NewClass1 has the following code: class NewClass1

```
{
public static MainClass1 construct()
{
return new MainClass1();
}
protected void modifyCustTable()
{
...
}
}
```

In the same model as NewClass1, you create a new class named NewClass2. You want to run the code in the modifyCustTable method from the callModifyCustTable method in NewClass2. What is a correct example of calling the modifyCustTable method from NewClass2?

- A. {public static NewClass2 construct(){return new NewClass2();}public void callModifyCustTable(){NewClass1 newClass1 = NewClass1::construct(); newClass1.modifyCustTable();}}
- B. class NewClass2{public static NewClass2 construct(){return new NewClass2();}public void classModifyCustTable(){newClass1.modifyCustTable();}}
- C. class NewClass2 extends NewClass1{public static NewClass2 construct(){return new NewClass2();}public void callModifyCustTable(){this construct().modifyCustTable();}}
- D. class NewClass2 extends NewClass1{public static NewClass2 construct(){return new NewClass2();}public void callModifyCustTable(){this.modifyCustTable();}}

**Answer:** D

#### Explanation:

Section: Read and Write Basic X++ (20-25%)

### NEW QUESTION 2

Your company is having issues with indexes. You research the problem and find that, regardless of index type (primary, clustered, or non-clustered), you do not get the expected performance improvements.

To resolve the issue, what should you ensure about the columns of the index?

- A. They have the Allow Duplicates property set to No.
- B. They are arranged from the most granular to the least granular.
- C. They are arranged from the least granular to the most granular.
- D. They are sorted in a different order, based on category.

**Answer:** B

### NEW QUESTION 3

Compile and build the mpos/Cloud POS to regenerate the proxy.

6. Developers on your team need to use IntelliSense during the coding process by supplying a list of potential elements from the Application Object Tree (AOT). Because you are converting from an earlier version of the MorphX environment that did not have IntelliSense, you need to explain advantages of IntelliSense to the development team.

Which two descriptions should you provide to your team? Each correct answer presents a complete solution.

- A. It helps maintain consistent spelling of elements.
- B. It prompts the user for known methods and possible choices.
- C. It consumes assemblies directly within the application.
- D. It can efficiently reference classes that are available in other .NET assembly DLL files.

**Answer:** BD

### NEW QUESTION 4

Which of the Microsoft Dynamics 365 for Finance and Operations application stack provides financial and human resources management functionality?

- A. Application Suite
- B. Application Object
- C. Application Foundation
- D. Application Platform

**Answer:** A

#### Explanation:

Section: Understand the architecture and development environment (20- 25%)

Explanation/Reference:

Most of the functionality we associate with Dynamics 365 for Finance and Operations is added in the Application Suite. Specific examples include the financial management, inventory or warehouse management, human resources management or the fleet management scenario.

### NEW QUESTION 5

You work in a Microsoft Dynamics 365 for Finance and Operations development environment.

You need to debug X++ source code in Microsoft Visual Studio.

To achieve this goal, which process should be attached to the Visual Studio Remote Debugger?

- A. w3wp.exe
- B. Ax32Serv.exe
- C. iexplorer.exe
- D. msvsmon.exe

**Answer:** B

**Explanation:**

References:  
<https://msdn.microsoft.com/en-us/library/gg860898.aspx>

**NEW QUESTION 6**

You are an Independent Software Vendor (ISV) developer who is responsible for maintaining code for a solution. During code review, the reviewer identifies the following block of code:

```
private void processLineFromFile (str _lineFromFile)
{
    str lineType = this.lineTypeFromLine(_lineFromFile);

    switch (lineType)
    {
        case 'I':
            this.processItemLineFromFile(_lineFromFile);
            break;
        case 'S':
            this.processServiceLineFromFile(_lineFromFile);
            break;
        case 'R':
            this.processReturnLineFromFile(_lineFromFile);
            break;
        default:
            throw error("@XYZ:InvalidLineErrorMsg");
    }
}
```

The reviewer requests that you improve readability by removing hard coded values in the code. Which two steps should you take to fulfill the request? Each correct answer presents part of the solution.

- A. Add the following lines to the beginning of the class
 

```
#define.ItemLine(' I ')
#define.ServiceLine(' S ')
#define.ReturnLine(' R ')
```
- B. Make the following changes to the case statement lines:
 

```
"case 'I' : " to "case Macro: :ItemLine:"
"case 'S' : " to "case Macro: :ServiceLine:"
"case 'R' : " to "case Macro: :ReturtnLine:"
```
- C. Make the following changes to the case statement lines:
 

```
"case 'I' : " to "case ItemLine:"
"case 'S' : " to "case ServiceLine:"
"case 'R' : " to "case ReturnLine:"
```
- D. Add the following lines to the beginning of the class:
 

```
const str Itemline = 'I' ;
const str ServiceLine = 'S' ;
const str ReturnLine = 'R' ;
```

A. Option A

- B. Option B
- C. Option C
- D. Option D

**Answer:** CD

#### NEW QUESTION 7

You are an Independent Software Vendor (ISV) developer who is creating a new module in a solution. As part of the solution, you create a new menu. You need the menu to appear in the list of modules available on the navigation pane. What should you do to achieve this goal?

- A. Create an extension of the MainMenu menu, and add a menu reference to the new menu.
- B. Create an extension of the NavPaneMenu menu, and add a menu reference to the new menu.
- C. Create an extension of the CommonMenu menu, and add a menu reference to the new menu.
- D. Create an extension of the StartPageMenu menu, and add a menu reference to the new menu.

**Answer:** A

#### Explanation:

Section: Manage the User Interface and Security for Developers (20-25%)

#### NEW QUESTION 8

You are installing Microsoft Dynamics 365 for Retail in a store location that has limited Internet connectivity. You need to implement a solution that supports multiple point-of-sale (POS) devices that have shared shifts. Which component should you install to achieve this goal?

- A. Retail Headquarters
- B. Retail Store Scale Unit
- C. Commerce Runtime (CRT)
- D. Retail Software Development Kit (SDK)

**Answer:** B

#### Explanation:

References:  
<https://docs.microsoft.com/en-us/dynamics365/unified-operations/retail/retail-components>

#### NEW QUESTION 9

You are a system administrator for a company's Microsoft Dynamics 365 for Finance and Operations – Retail live environment. You are responsible for ensuring the environment runs smoothly. In which scenario would you need to monitor diagnostic data in the hot path?

- A. One of the servers in the environment crashed, and you need to troubleshoot the cause of the crash.
- B. Telemetry data from other components in your hybrid cloud are not being replicated or backed up.
- C. The environment is experiencing performance issues, and you suspect that it is due to hardware issues.
- D. Errors exist in one of the Retail Server components, and you need to troubleshoot the root cause of the issues.

**Answer:** C

#### NEW QUESTION 10

You are working in a model that extends the Application Suite model, and you want to modify the insert method on the SalesLine table using X++ logic. The code looks like the following:

```
... salesLineType.inserted();
```

```
...
```

The salesLineType.inserted() method appears as follows: public void inserted()

```
{  
}
```

You need to create a class to run code prior to running the salesLineType.inserted() method in the SalesLineType.insert() method. What should you do?

- A. Create a new class and extend the onlineserted event.
- B. Create a new class that extends the SalesLineType class.
- C. Overwrite the inserted method on your new class.
- D. Customize the SalesLine table.
- E. Overwrite the insert() method and add your code immediately before the salesLineType.inserted() method.
- F. Create a new class, and add a method that is a pre-event handler for the salesLineType.inserted() method.

**Answer:** D

#### NEW QUESTION 10

You are creating a custom lookup form to look up records in a table. You want to provide multiple views of the table on the form. Which form pattern should you apply?

- A. Details Master with Standard Tabs
- B. Simple List
- C. Lookup with Tabs
- D. Dialog - Advanced Selection

**Answer:** C

**Explanation:**

Section: Manage the User Interface and Security for Developers (20-25%) Explanation

Explanation/Reference:

Lookup basic – This is the basic Lookup pattern that has just one list or tree, and also optional custom filters and actions.

Lookup w/tabs – This Lookup pattern is used when more than one view of the lookup can be made available to the user. Tab captions aren't shown. Instead, the tab is selected through a combo box.

Lookup w/preview – This more advanced Lookup pattern enables a preview of the current record in the lookup grid.

**NEW QUESTION 11**

You are reviewing the basic set of primitive data types in Microsoft Dynamics 365 for Finance and Operations with a client.

The client wants to know the best data type to use for a set of literals, such as states of nature or key reporting structures.

Which type should you tell the client?

- A. Strings
- B. Anytype
- C. Containers
- D. Enumerations

**Answer:** D

**Explanation:**

Section: Develop new elements by using Application Explorer (20-25%) Explanation

Explanation/Reference:

Enums: An abbreviation for enumerated text - a set of literals.

**NEW QUESTION 14**

You are a developer for an Independent Software Vendor (ISV).

You need to create and modify enumerations within Microsoft Dynamics 365 for Finance and Operations.

Which two statements are true about using extensible enumerations? Each correct answer presents a complete solution.

- A. Integer values that belong to the baseline enum are deterministic.
- B. The default base enum value can be changed.
- C. The Label property on the extended base enum can be modified.
- D. The Label property on any base enum value can be modified.

**Answer:** AC

**Explanation:**

References:

<https://docs.microsoft.com/en-us/dynamics365/unified-operations/dev-itpro/extensibility/add-enum-value>

**NEW QUESTION 15**

You want to provide single login access for all of your Microsoft cloud-based applications, such as Microsoft Office 365 and Enterprise Resource Planning (ERP).

Which component of the cloud architecture provides this functionality?

- A. UI Interaction Layer
- B. Fleet Management
- C. Shared Services
- D. Lifecycle Services (LCS)

**Answer:** C

**Explanation:**

References:

<https://docs.microsoft.com/en-us/dynamics365/unified-operations/dev-itpro/dev-tools/application-stack-serverarchitecture>

**NEW QUESTION 19**

You are working for a client in a new Microsoft Dynamics 365 for Finance and Operations environment.

The client requests that custom fields be added to the SalesTable table. You need to add them in a way to minimize the cost of maintenance and upgrading.

What should you do to add the custom fields?

- A. Create a new package in the ApplicationSuite model.
- B. Create a new model that overlays the ApplicationSuite model.
- C. Create a new extension model that references the ApplicationSuite model.
- D. Create a new project in the ApplicationSuite model.

**Answer:** C

**Explanation:**

Section: Understand the architecture and development environment (20-25%) Explanation

Explanation/Reference:

Microsoft's best practice recommendation is to use extension objects and models wherever we can.

**NEW QUESTION 23**

According to best practices for Microsoft Dynamics 365 for Finance and Operations, in which two situations should you use labels? Each correct answer presents a complete solution.

- A. when accessing external resources such as web servers
- B. when specifying user interface text for menu items, forms and reports
- C. when programming for all external strings
- D. when specifying the resource for a form image control

**Answer:** BC

**Explanation:**

References:

<https://msdn.microsoft.com/en-us/library/aa620083.aspx>

**NEW QUESTION 25**

You are an Independent Software Vendor (ISV) developer.

You are working on a new solution that will support multiple languages and regions, and you need to use labels.

Which two best practices should you follow when using the labels? Each correct answer presents a complete solution.

- A. Use descriptive text for the label file ID.
- B. Use labels for elements and artifacts.
- C. Use the name of the model for of the label file name.
- D. Use a new label ID for every element or artifact.

**Answer:** BC

**Explanation:**

Section: Develop new elements by using Application Explorer (20-25%)

Explanation/Reference:

You should use labels for every user-facing element or artifact in Dynamics 365 for Finance and Operations.

For multi-language label files, you should ensure that labels contain appropriate translations of the activity or item that they describe.

You should also use labels when programming for all external strings.

You should create a label file with the same name as the associated model.

**NEW QUESTION 30**

What is an example of a best practice for creating base enumerations?

- A. Use base enumerations when there is a variable number of user-defined outcomes.
- B. Value of zero should be used as the default value for base enumerations.
- C. Avoid accessing a constant by using an enumerator.
- D. Avoid assigning labels to enumerations that have a default value.

**Answer:** B

**NEW QUESTION 35**

You need to troubleshoot an issue by using the Async sync library.

Where should you go to access this library?

- A. Real Time Service
- B. Retail Server
- C. Retail Modern POS
- D. Channel Database

**Answer:** C

**Explanation:**

Section: Develop and extend retail components (15-20%)

Explanation/Reference:

Retail modern POS includes the Async library which downloads any available data packages and inserts them into the offline database.

**NEW QUESTION 39**

You are debugging in X++ and review the following method:

```
public boolean bestPracticeCheck(Integr _param)
{
    Integr var1, var2;

    var1 = 10;
    _param += var1;

    if (_param > 0)
    {
        return true;
    }
    else
    {
        return false;
    }
}
```

Which three best practices does this method violate? Each correct answer presents part of the solution.

- A. The method does not assign a value to the variable var2.
- B. The If and Else statements should not use braces because each statement is only one line.
- C. The parameter \_param should be assigned using the format \_param = \_param + var1.
- D. The method manipulated the parameter \_param.
- E. The return keyword is used in both the If and the Else statements.

**Answer:** ADE

#### NEW QUESTION 42

Employees who use a Cloud point-of-sale (POS) at a store report that the product information is not current. There is no Retail Store Scale Unit deployed at the store, and you suspect that the scheduler job that updates product information has failed.

Which two actions can you take to check the status of the scheduler job? Each correct answer presents a complete solution.

- A. In Event Viewer, look at the Commerce-RetailServer event log for an event that references the job.
- B. In Lifecycle Services (LCS), look in Environment monitoring, and search Activity for the batch job that includes the scheduler job.
- C. In Retail's Headquarters, look at the history of the distribution schedule that includes the scheduler job.
- D. In the Cloud POS, look at the Database connection status screen for the job.

**Answer:** BC

#### Explanation:

Section: Develop and extend retail components (15-20%) Explanation

Explanation/Reference:

Retail distribution jobs uses the commerce data exchange async server and the retail scheduler.

The components of messages, environments, and jobs are all collected and surfaced up to LCS to provide a one-stop overview of diagnostics and monitoring.

Related Lesson: About Lifecycle Services

#### NEW QUESTION 46

You are creating a table and need to use relationships.

What are three examples of relationship types you can use? Each correct answer presents a complete solution.

- A. related field fixed relation
- B. restricted relation
- C. field fixed relation
- D. foreign key relation
- E. referential relation

**Answer:** ACD

#### Explanation:

References:

<https://msdn.microsoft.com/en-us/library/aa556809.aspx>

#### NEW QUESTION 51

You are developing a Fleet management module for Microsoft Dynamics 365 Finance and Operations.

You create an FMVehicle table to store information that is specific to each vehicle in your fleet.

Now, you need to create a form that allows users to view and edit all of the information related to a vehicle.

Which form pattern should you use to accomplish this goal?

- A. Workspace Operational
- B. List Page
- C. Dialog - Basic
- D. Details Master

**Answer:** D

**Explanation:**

Section: Manage the User Interface and Security for Developers (20-25%) Explanation

Explanation/Reference:

Operational workspace: This is the standard pattern currently used for workspace

development. Because of the set of components that are permitted in it, this pattern has superior performance over the deprecated "workspace" pattern. For this reason and to ensure visual and behavioral consistency with the other workspaces in the system, we recommend that you use this pattern.

List Page: A list page presents a set of data on a user interface that is optimized so that you can browse records, find the right record, and then take an action upon that record. The list page lets the user search, filter, and sort the data. FactBoxes on the right side of the grid show related data for the active record.

Actions that are relevant to the record are located on the ActionPane at the top of the page. The use of this pattern is now discouraged when there is a 1:1 correspondence between the List Page and Details page.

Current guidance is to use this pattern only in other situations, such as when list pages have no backing details pages or have multiple backing details page (for example, when project quotations and sales quotations are shown together in the same List Page). Detail Master: A details form is the primary method for entering data. These forms let the user view, edit, and act upon data. All content on these form types is structured into FastTabs that can be expanded and collapsed, so that multiple FastTabs can be open at the same time. The FastTabs can contain fields or a grid, and each FastTab can have a local toolbar. This is the basic Detail Master pattern. This is the pattern that you should use by default.

**NEW QUESTION 55**

You are working in a Microsoft Dynamics 365 for Retail environment and need to develop an app that can be installed on a tablet to calculate the sales total with tax for a given list of items.

The app must work if the tablet loses wireless connectivity. Which type of interface should you use to develop the app?

- A. Cloud POS
- B. User Interface
- C. eCommerce
- D. Modern POS

**Answer:** D

**Explanation:**

Section: Understand the architecture and development environment (20- 25%)

Explanation/Reference:

Users of Retail Modern Point of Sale (POS) can perform various retail tasks on supported laptops, tablets, and phones. These tasks include processing sales transactions, viewing customer orders, managing daily operations and inventory, and viewing role-based reports.

**NEW QUESTION 57**

You are an Independent Software Vendor (ISV) developer and are reviewing another developer's changes to a project.

You run the Best Practices Fixer on the project. The following error message appears in the error list in

Visual Studio for the display menu item XYZ:

BP Rule: [BPErrorMenuItemNotCoveredByPrivilege]:Path: [dynamics://MenuItemDisplay/ XYZ]:BPErrorMenuItemNotCoveredByPrivilege: 'AxMenuItemDisplay' 'XYZ' is not covered

by privilege: XYZ (USR) [YourModule]

Based on this error message, which recommendation should you make to the developer?

- A. Add the XYZ display menu item to the Entry Points of a new or existing Security Privilege in theYourModule model.
- B. Set the Create Permissions and Delete Permissions properties on the XYZ display menu item.
- C. Add the XYZ display menu item to the Entry Points of an extension of an existing Security Privilege inthe Application Suite model.
- D. Set the Linked Permission Type property to Form, and the Linked Permission Object property to the name of the form on the XYZ display menu item.

**Answer:** A

**Explanation:**

Section: Manage the User Interface and Security for Developers (20-25%) Explanation

Explanation/Reference:

BPErrorMenuItemNotCoveredByPrivilege: Only the system administrator role can access this form

**NEW QUESTION 59**

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