

MB6-894 Dumps

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

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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 contstruct(){return new NewClass2();}public void classModifyCustTable(){newClass1.modifyCustTable();}}
- C. class NewClass2 extends NewClass1{public static NewClass2 contstruct(){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

You are working for a client in a new Microsoft Dynamics 365 for Finance and Operations developer virtual machine (VM). The client has existing models and solutions checked into version control with Visual Studio Team Services.

You connect to the Visual Studio Team Services site and want to access the client's existing models to view X++ source code in the Application Object Tree (AOT).

To achieve this goal, which two directories do you need to map to your local VM? Each correct answer presents part of the solution.

- A. Metadata
- B. BuildProcessTemplates
- C. Main
- D. Projects

Answer: AD

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

NEW QUESTION 3

You are developing a Cloud point-of-sale (POS) solution for Microsoft Dynamics 365 for Retail that validates a member's loyalty points.

You add a method to the RetailTransactionServiceEx class to validate the loyalty points. Which service did you extend when you added this method?

- A. Sync Service
- B. Commerce Runtime (CRT) Services
- C. Real-time Service
- D. Internet Information Services

Answer: C

Explanation: References:

<https://docs.microsoft.com/en-us/dynamics365/unified-operations/retail/dev-itpro/extend-commerce-data-exchange>

NEW QUESTION 4

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 5

You create a new retail server API for a Cloud point-of-sale (POS) solution in Microsoft Dynamics 365 for Retail.

You need to register your new retail server extension. Which file should you update?

- A. Retail Store Front web.config
- B. Retail Server web.config
- C. Retail Cloud POS web.config
- D. AOS Service web.config

Answer: B

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

Explanation/Reference:

Before calling the new retail server API please make sure you have performed the below steps:

1. Register your new retail server extension in Retail server web.config file: <add source="assembly"

value="Your assembly name" />

2. Add the new retail server extension in the Customization.settings file. You can find this file in

RetailSdk\BuildTools<RetailServerLibraryPathForProxyGeneration Condition="'\$(RetailServerLibraryPathForProxyGeneration)' == ''">\$(SdkReferencesPath)\Your assembly name.dll</ RetailServerLibraryPathForProxyGeneration> </PropertyGroup>

3. Drop both the CRT and Retail server extension dlls into the retail server bin folder. If you have any CRT extension that is related to the new retail server api then update that information in commerceRuntime configuration file under retail server bin folder.

4. <add source="assembly" value="Your assembly name" />

5. Use inetmgr to browse to the retail server metadata and verify whether your entity is exposed in the xml.

NEW QUESTION 6

You are in a product meeting with a new client.

The client asks about the key components for the commerce data exchange for retail development.

Which two features should you describe to the client? Each correct answer presents part of the solution.

- A. Data Access
- B. API
- C. Retail Schedule
- D. Master Data

Answer: CD

NEW QUESTION 7

You have built a package to deploy retail modifications into a source environment for multiple models.

What is a result of building this package?

- A. Build artifacts are removed from the previous build.
- B. The .NET module that contains the element is incorporated.
- C. Only recently changed objects are rebuilt.
- D. Only the elements for the current project are built.

Answer: B

Explanation: <https://docs.microsoft.com/en-us/dynamics365/unified-operations/dev-itpro/dev-tools/build-operations>

NEW QUESTION 8

You need to explain to a team member the difference between TempDB and InMemory table types.

In which three ways do TempDB table types differ from InMemory table types for reporting? Each correct answer presents part of the solution.

- A. TempDB tables have a persistent database schema, and the data is deleted when the table goes out of scope.
- B. TempDB tables are created and destroyed upon use, which not take any database schema space.
- C. TempDB tables are for the storage of large data sets and do not allow exchanging between RAM and disk space.
- D. TempDB tables are used for small data sets that are under 128 KB in size.
- E. TempDB tables are used when you are unsure of the size of the data set returned.

Answer: ACE

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

Explanation/Reference:

Temp DB tables have a persistent schema in the database, but they are configured to delete table data when references to the table go out of scope.

An important thing to remember about in-memory tables is that once the table size exceeds 128 kilobytes, the system begins to allocate additional space between the RAM and disk space, which can cause performance to suffer. Because of this, it is recommended to use temp DB tables to handle larger temporary datasets.

Temp DB tables are often used to store data from reports, as report data is usually temporary and that it is not needed after the report is closed.

NEW QUESTION 9

You manage a Microsoft Dynamics 365 for Retail environment. You are preparing to deploy packages.

Which two types of items can you deploy as a package? Each correct answer presents a complete solution.

- A. a binary hotfix to the Application Object Server (AOS) runtime components
- B. an updated Dynamics 365 for Retail customization package
- C. a Microsoft Dynamics 365 Language Pack
- D. a Retail Software Development Kit (SDK)

Answer: AB

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

Explanation/Reference:

A deployable package is a unit of deployment that can be applied in any Microsoft Dynamics 365 for Retail environment. A deployable package can be a binary hotfix to the Application Object Server (AOS) runtime components, an updated Dynamics 365 for Retail customization package, or a new Microsoft Dynamics 365 for Retail customization/application module package.

NEW QUESTION 10

You are an Independent Software Vendor (ISV) developer, and you are writing a custom job by using the SysOperation framework.

The job needs to report informational messages.

Which block of code will report an informational message without a request for user intervention?

```
A. void reportInformationalMessage(str _message)
{
    Box: :info(_message);
}

B. void reportInformationalMessage(str _message)
{
    info(_message);
}

C. void reportInformationalMessage(str _message)
{
    print _message;
}

D. void reportInformationalMessage (str _message)
{
    setPrefix(_message);
}
```

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

Answer: B

NEW QUESTION 10

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 12

You are developing a solution to insert and update records in a table named Table1, and you need to ensure that you handle the possible exceptions. Table1 does not have any unique indexes that include the ID or the Description fields.

The table has the following structure:

```
# ID (Int) Description (String 60)
01 1 Record 1
02 2 Record 2
03 3 Record 3
04 4 Record 4
```

Additionally, you have the following X++ code:

```
Int counter = 3, maxValue = 4;
Table1 table1;
try
{
    for(counter = 3; counter<6; counter++)
    {
        table1.clear();
        table1.ID = counter;
        table1.Description = strfmt("Record %1", counter);
        table1.insert();
        If(counter == maxValue)
        {
            Info("Max value");
            throw error ("DDError");
            break;
        }
    }
}
catch(Exception::Error)
{
    Info("Error has occurred");
}
catch(Exception::DDError)
{
    Info("Data error");
}
catch(Exception::Break)
{
    Info("Break");
}
```

What is the output of the X++ code?

- A. Max value DDError Data error
- B. Break
- C. Data error_RC
- D. Max value DDErrorError has occurred

Answer: D

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



NEW QUESTION 16

You want to create a new security policy named VendGroupSecPolicy that causes users who are assigned a specific role to view the vendors in vendor group 100 only.

You have created a policy query named VendGroup100Policy and designed it so that the VendTable is the primary table. The users that will be affected by VendGroupSecPolicy must be categorized into an existing security role named VendGroup100XDSRole.

You set the Query property on VendGroupSecPolicy to VendGroup100Policy and the Primary Table property to VendTable.

Which values should you set on the properties on VendGroupSecPolicy?

- A. Set the Context String property to VendGroup100XDSRole and the Context Type property to ContextString.
- B. Set the Context String property to VendGroup100XDSRole and the Context Type property to RoleName.
- C. Set the Role Name property to VendGroup100XDSRole and the Context Type property to RoleName.

D. Set the Role Name property to VendGroup100XDSRole and the Context Type property to ContextString.

Answer: C

Explanation: References:

<https://msdn.microsoft.com/en-us/library/hh300643.aspx>

NEW QUESTION 21

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 25

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 29

You are writing a method to update the Customer reference field on a Sales order table record. You begin by writing the following code:

```
class ExampleClass
{
    /// <summary>
    /// Update the Customer reference field on the Sales orders table.
    /// </summary>
    /// <param name = "_salesId">
    /// Sales order to update
    /// </param>
    /// <param name = "_customerRef">
    /// Updated Customer reference value
    /// </param>
    public static void updateSalesTableCustomerReference(SalesId _salesId, CustRef _customerRef)
    {
        SalesTable salesTable;
    }
}
```

Which statement will complete the method?

- A. salesTable = SalesTable::find(_salesId); salesTable.CustomerRef = _customerRef; salesTable.update();
B. update_recordset salesTable setting CustomerRef=_customerRef where salesTable.salesid==_salesId;
C. salesTable = SalesTable::find(_salesId, true); salesTable.CustomerRef = _customerRef; salesTable.update();
D. update_recordset salesTable setting SalesId = _salesIdwhere salesTable.CustomerRef == _customerRef;

Answer: C

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

NEW QUESTION 30

You want to install an Application Metadata hotfix in your Microsoft Dynamics 365 for Finance and Operations development environment.

You find and download the hotfix zip file from Lifecycle Services (LCS) and extract the hotfix package form the file.

Which command-line utility should you use to prepare the installation of the hotfix package?

- A. XppBp.exe
B. ModelUtil.exe
C. SCDPBundleInstall.exe
D. AxUpdateInstaller.exe

Answer: C

Explanation: References:

<https://docs.microsoft.com/en-us/dynamics365/unified-operations/dev-itpro/migration-upgrade/installmetadata-hotfix-package>

NEW QUESTION 31

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 35

You are a developer for an Independent Software Vendor (ISV) and will be working with the X++ programming language and Microsoft Dynamics 365 for Finance and Operations.

Which three primitive data types will you use in this situation? Each correct answer presents a complete solution.

- A. Float
- B. Real
- C. Short
- D. AnyType
- E. Boolean

Answer: BDE

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

Explanation/Reference:

Anytype – A placeholder for any data type.

Booleans – Can only contain the values false and true. Dates – Contains day, month, and year.

Enums – An abbreviation for enumerated text – a set of literals. GUIDs – A globally unique identifier.

Integers – A number without a decimal point. To declare an integer, use the keyword int. Reals – Numbers with a decimal point; also called decimals.

Strings – A number of characters. To declare a string, use the keyword str.

TimeOfDay – Contains hours, minutes, and seconds. To declare a time, use the system type timeOfDay.

utcdatetime – Contains year, month, day, hour, minute and second.

NEW QUESTION 38

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 42

You create a model that has many new forms.

You need to locate the forms that do not have a form pattern applied to their form design. What are the possible ways to achieve this goal? Each correct answer presents a complete solution.

- A. Use the Find in files command to search for <Pattern> < /Pattern>.
- B. Build the model with Run Best Practice Checks checked, and then search the error list for BPErrormFormDesignPatternUnspecified.
- C. Run the form patterns report addin, and then filter the generated report for forms with a blank pattern.
- D. Run the form statistics addin, and look through the output for forms with Pattern=Unspecified.
- E. Perform a Metadata search for type:FormDesign property:Pattern=.

Answer: BC

Explanation: References:

<https://docs.microsoft.com/en-us/dynamics365/unified-operations/dev-itpro/user-interface/form-styles-patterns>

NEW QUESTION 43

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 47

You manage package deployments for a Microsoft Dynamics 365 Retail environment, and you need to determine if a package rebuild is necessary. Which scenario requires a package rebuild?

- A. You want to re-run a build due to warnings that appear in the Error List pane concerning best practices.
- B. You want to force a build of all objects, regardless of whether they have changed.
- C. You want to build dependent and reference models at the same time.
- D. You cannot set the Synchronize database on the Build Property to True.

Answer: B

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

Explanation/Reference:

The rebuild will perform a full compile, which will take a bit longer. The rebuild option combines the clean and build steps so we don't have to separately run clean and build.

NEW QUESTION 48

You are an Independent Software Vendor (ISV) developer and are working on extending a solution. You complete a report and need to invoke it. What are two possible ways to invoke the report? Each correct answer presents a complete solution.

- A. from a Menu Reference located on a Menu artifact
- B. from a Menu Item Button located on a Form artifact
- C. from a Menu Item Reference located on a Menu artifact
- D. from a Menu Button located on a Form artifact

Answer: AC

Explanation: <https://docs.microsoft.com/en-us/dynamics365/unified-operations/dev-itpro/analytics/extend-report-menu-items>

NEW QUESTION 51

What are the three types of menu items used in Microsoft Dynamics 365 for Finance and Operations? Each correct answer presents part of the solution.

- A. Form
- B. Output
- C. Action
- D. Display
- E. Report

Answer: BCD

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

Explanation

Display Menu item: This folder is used to contain menu items that reference runnable objects which are primarily for presenting data to the user such as forms and dialog's.

Output Menu item: An output menu item should have the soul purpose to print a result, mostly used for referencing classes.

Action Menu item: As the name says it, you should create a menu item under this folder if your runnable object has an action to perform, for example creating or updating data.

NEW QUESTION 56

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 clas
- C. Overwrite the inserted method on your new class.

- D. Customize the SalesLine tabl
- 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 61

You are an Independent Software Vendor (ISV) developer, and you are reviewing the code in a solution.

During the code review, you see the following:

```
using (var sr = new System.IO.StreamReader(_inputFilename))
{
    var textFromFile = sr.ReadToEnd();
    this.processFileDate(textFromFile);
}
```

Which two statements about the sr and textFromFile variables are true? Each correct answer presents a complete solution.

- A. The variables storing .Net Framework objects have to be declared using the var keyword.
- B. The var keyword indicates the variables can store values of any type.
- C. The variables are valid within the block of code in which they were declared.
- D. The var keyword infers the type of the variables from their initialization expression.

Answer: CD

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

NEW QUESTION 66

You are an Independent Software Vendor (ISV) developer who is working with an existing solution.

The business requirements state that there should be two views of detail data from a parent form.

The business logic of the child forms is similar, but they have slightly different logic for selecting detail data. You conclude that you can meet the requirements by using a single child form.

What should do on the child form to ensure the business requirements are fulfilled?

- A. Create two display menu items, each with a different value in the Enum Parameter property.
- B. Create a single output menu item, and change the Copy Caller Query property to Yes.
- C. Create two display menu items, each with a different value in the Enum Type Parameter property.
- D. Create two output menu items, each with a different query in the Query property.

Answer: D

NEW QUESTION 68

You are working in a model that extends the Application Suite model. You create an Action menu item named ActivateOrder, and you extend the SalesTable form by adding the ActivateOrder menu item to the ActionPane.

You also have a TradeSalesClerk role that contains the SalesOrderMaintain duty. This duty contains the

SalesTableDetailsMaintain privilege, and this privilege contains an entry point to the SalesTable form.

You need to grant the TradeSalesClerk role access to the ActivateOrder menu. What are two possible ways to achieve this goal? Each correct answer presents a complete solution.

- A. Extend the SalesTableDetailsMaintain privilege, and add the ActivateOrder menu item as an entry point to the SalesTableDetailsMaintain privilege.
- B. Create a new duty, and create a new privileg
- C. Add the ActivateOrder menu item as an entry point to the new privilege, and add the new privilege to the new dut
- D. Extend the TradeSalesClerk role, and add the new duty.
- E. Create a new privilege, and add the ActivateOrder menu item as an entry poin
- F. Extend theSalesOrderMaintain duty, and add the new privilege.
- G. Customize the SalesTableDetailsMaintain privilege, and add the ActivateOrder menu item as an entry point to the SalesTableDetailsMaintain privilege.

Answer: BC

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

Explanation/Reference:

As of the current release for Dynamics 365 for Finance and Operations, you cannot extend a privilege.

NEW QUESTION 70

You are an Independent Software Vendor (ISV) developer adding functionality to an existing solution. The solution's model has a label file of XYZen-US.label.txt.

You finish creating a job and an action menu item to launch the job. You need to create a new label in the label file for the menu item.

Which two steps are recommended when creating the label? Each correct answer presents part of the solution.

- A. Search for the text of the new label to ensure there are no duplicates.
- B. Give the new label a meaningful Label ID after clicking the New button.
- C. Use all capital letters and numbers for the Label ID of the new label.
- D. Use the Label ID generated by the editor after clicking the New button.

Answer: AD

Explanation: References:

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

NEW QUESTION 73

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 77

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 80

You are writing an X++ method to delete a SalesLine record.

You need to ensure that the call to the delete() method succeeds.

Which two criteria must be met to accomplish this goal? Each correct answer presents part of the solution.

- A. The record to delete must have been read from the database using the forupdate keyword in a select statement.
- B. The dispose() method must be called after the delete() method is called.
- C. The delete() method must be called inside a transaction by using the ttsbegin and ttscommit statements.
- D. The record to delete must be locked first by calling the selectLocked() method.

Answer: CD

NEW QUESTION 83

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 87

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 91

You are an Independent Software Vendor (ISV) developer and are creating a new form for an existing solution. Business requirements state that the form must always open in a grid view. What should you modify to fulfill this requirement?

- A. the Open Mode property on the form's menu item
- B. the Window Type property on the form's design
- C. the Form View Option property on the form's menu item
- D. the View Edit Mode property on the form's design

Answer: C

NEW QUESTION 95

You are working in a Microsoft Dynamics 365 for Retail environment and are troubleshooting a scanner that is not able to scan a bar code on an item. You review the event logs on the Retail Server and find several recent events in which the AppSessionId is a non-empty GUID and the UserSessionId contains an empty GUID. What is the main cause of the events in the event log?

- A. The scanner does not have power.
- B. The scanner is in offline mode.
- C. The scanner has not been signed into by a user.
- D. The scanner cannot make a call to the retail server.

Answer: C

Explanation: References:

<https://docs.microsoft.com/en-us/dynamics365/unified-operations/retail/dev-itpro/retail-component-eventsdiagnostics-troubleshooting>

NEW QUESTION 97

You are a developer working on a new customized form and are troubleshooting a defect on the form. The form displays a summary for each line. The defect report says that the form shows the incorrect summary for return order lines.

A display method provides the summary, and the method calls the following: public str salesLineSummary(SalesType _type, str _orderNum, ItemId _itemId, Qty _lineQty, Amount _lineAmount

```
)
{
    Amount baseAmount = _lineAmount > 0 ? _lineAmount : -1 * _lineAmount; str formattedAmount = num2Str(baseAmount, 10, 2, DecimalSeparator::Dot, ThousandSeparator::Comma);
    str summary; switch (_type)
    {
        case SalesType::Sales:
            summary = strFmt('Order %1 ordered %2 of %3 [Subtotal: %4]', _orderNum, _lineQty, _itemId, formattedAmount); break;
        case SalesType::ReturnItem:
            summary = strFmt('RMA %1 expecting %2 of %3 for %4 credit', _orderNum, _lineQty, _itemId, formattedAmount); default:
            summary = strFmt('Journal %1: %2 of %3', _orderNum, _lineQty, _itemId);
    }
    return summary;
}
```

You need to fix the defect in the most efficient way possible. Which modification should you make?

- A. Remove the default block of code from the switch statement.
- B. Add an If statement to the default block of code in the switch statement.
- C. Exchange the SalesType::Sales with the SalesType::ReturnItem blocks of code in the switchstatement.
- D. Add a break statement before the default block of code in the switch statement.

Answer: D

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

NEW QUESTION 98

You are installing Microsoft Dynamics 365 for Retail at a store location. You want to share a drawer between point-of-sale (POS) clients. To achieve this goal, which component should you install on the computer connected to the cash drawer?

- A. Hardware Station
- B. Cloud POS
- C. Commerce Runtime (CRT)
- D. Retail Server

Answer: A

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

Explanation/Reference:

Retail hardware station provides services that enable retail POS clients and peripherals such as printers, cash drawers, and payment devices to communicate with retail server.

NEW QUESTION 103

You are extending primitive data types to make your code more readable, and you need to assign Extended Data Types (EDT) properties. Which best practice should you follow?

- A. Do not leave the display length and style an Auto.
- B. Ensure that the HelpText property is the same as the label.
- C. Do not use labels for user interface text.
- D. Ensure that you reference an EDT when creating table fields.

Answer: D

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

Wherever possible, you should avoid the creation of table fields which don't reference an EDT, as this makes potential future changes more difficult to implement.

NEW QUESTION 107

In a product meeting with a new client, you are asked to describe the key components of the Commerce Runtime (CRT) for retail development.

What are two of these key components? Each correct answer presents a complete solution.

- A. Data Access
- B. Retail Scheduler
- C. Master Data
- D. API

Answer: AD

Explanation:

<https://technet.microsoft.com/en-us/library/jj916620.aspx>

NEW QUESTION 108

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 111

You are evaluating the following code:

```
01 Int variableA, variable;
02
03 Try
04 {
05     variableA = 5;
06     variableB = 20;
07     variableB -= variableA;
08     if (variableB > variableA)
09     {
10         throw error ("An error has occurred.");
11         error ("Variable cannot be less than variableA");
12     }
13 }
14 Catch (Exception: : Error)
15 {
16     error("Process was aborted");
17 }
```

What is the output of this statement?

A

VariableB cannot be less than variableA
Process was aborted

B

An error has occurred.
VariableB cannot be less than variableA
Process was aborted

C

An error has occurred.
Process was aborted

D

An error has occurred.
VariableB cannot be less than variableA

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

Answer: C

Explanation: References:
<https://msdn.microsoft.com/en-us/library/aa893385.aspx>

NEW QUESTION 116

You are planning to use X++ to develop a solution that will update multiple records.
You need to ensure that if the solution attempts to modify records that are currently being edited by a user, the operation will be retried.
Which type of exception should you handle?

- A. UpdateConflict
- B. CodeAccessSecurity
- C. UpdateConflictNotRecovered
- D. Deadlock

Answer: A

Explanation: Section: Read and Write Basic X++ (20-25%)
Explanation/Reference:
UpdateConflict: Indicates that an error has occurred in a transaction that is using Optimistic Concurrency Control. The transaction can be retried (use a retry statement in the catch block).

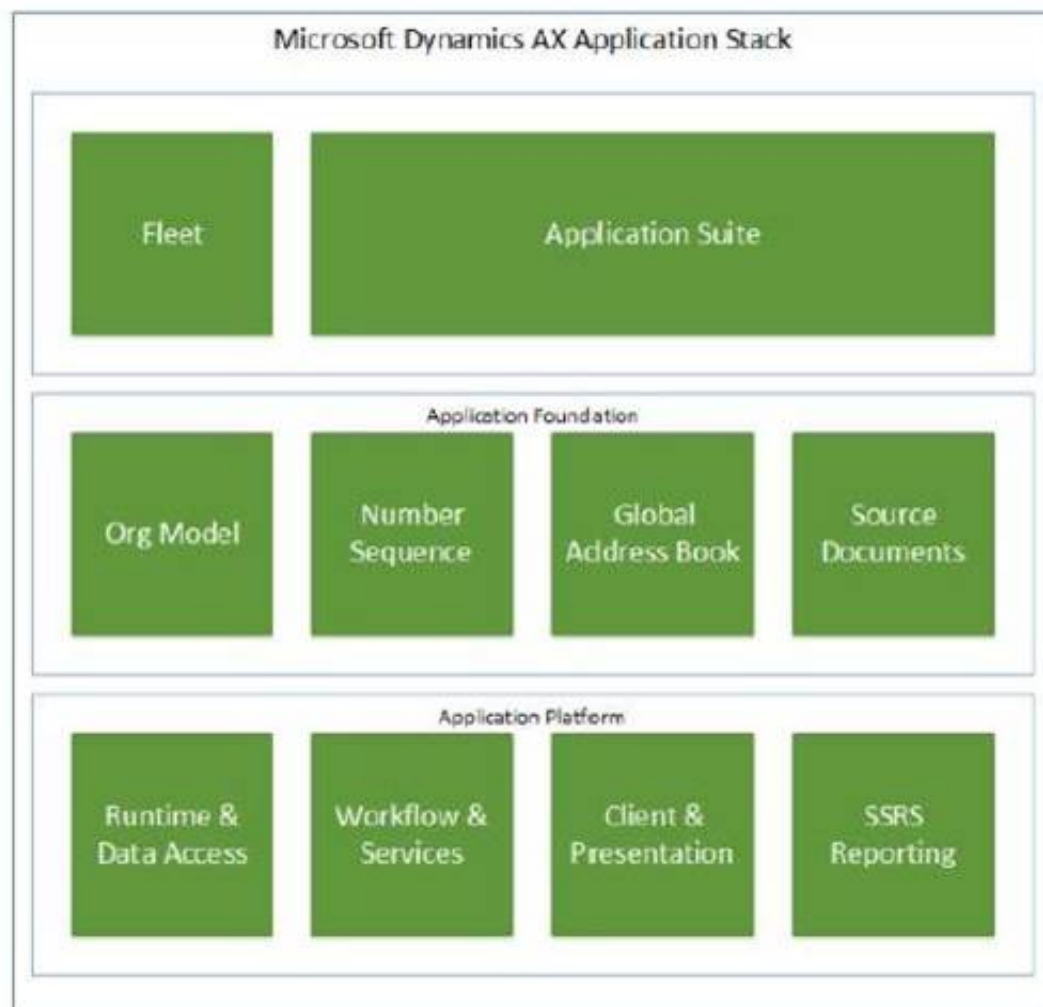
NEW QUESTION 118

You want to create an extension package that references the Application Foundation package.
Which two models are included within the Application Foundation package? Each correct answer presents part of the solution.

- A. Workflow Framework
- B. Organization Model
- C. Fleet Management
- D. Number Sequences

Answer: BD

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



NEW QUESTION 120

You are writing a method to create a new Customer group. You begin by writing the following code:

```
class ExampleClass
{
    /// <summary>
    ///     Create a new customer group
    /// </summary>
    /// <param name = "_custGroup">
    ///     Customer group to create
    /// </param>
    ///<param name = "_name">
    ///     Description for customer group
    /// </param>
    Public static void createCustGroup (CustGroupId _custGroup, Description _name)
    {
        CustGroup custGroup;

        ttsbegin;
        custGroup.CustGroup=_custGroup;
        custGroup.Name=_name;

        ///TODO:  save custgroup record to database

        ttscommit ;
    }
}
```

You need to complete the method.

With which statement should you replace the TODO comment line to accomplish this goal?

- A. custGroup.insert();
- B. RecordInsertList.add(custGroup);
- C. insert_recordset custGroup (CustGroup,Name);
- D. custGroup.merge();

Answer: A

NEW QUESTION 121

You are an Independent Software Vendor (ISV) developer working on a solution that extends the Commerce Runtime (CRT) to handle new requests for an app deployed to tablets and cell phones. You are in the developer topology and need to troubleshoot an error and check for events. Under which event log in Event Viewer should you look to see the events?

- A. Commerce-RetailServer
- B. Commerce-OnlineStore
- C. Commerce-LoggingProvider
- D. Commerce-ModernPos

Answer: D

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

Explanation/Reference:

Commerce-RetailServer – This log contains events that are logged by the Retail Server components.

Commerce-ModernPos – This log contains events that are logged by Retail Modern POS. These events include events from the TypeScript and C# (CRT) layer.

Commerce-LoggingProvider – This log contains events that are logged by all other Retail components that aren't included in the list earlier in this article.

NEW QUESTION 125

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 127

A junior programmer asks you to review an order of operator precedence so that a math operation evaluates appropriately.

Which list is ordered correctly?

- A. unary, multiplicative, additive, logical, relational
- B. shift, relational, additive, unary, logical
- C. unary, multiplicative, additive, relational, logical
- D. equality, multiplicative, additive, relational, unary

Answer: C

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

Operators, in order of precedence	Syntax
Unary	- ~ !
Multiplicative, shift, bitwise AND, bitwise exclusive OR	* / % DIV << >> & ^
Additive, bitwise inclusive OR	+ -
Relational, equality	< <= == != > >= like
as is	
Logical (AND, OR)	&&
Conditional	? :

NEW QUESTION 132

You are working in a Microsoft Dynamics 365 for Finance and Operations environment that has an existing form named ModifyData and a display menu item named ModifyData1, which opens ModifyData. You create a second menu item named ModifyData2 that also opens ModifyData.

A privilege named ModifyData1View has the ModifyData1 menu item as an entry point with Read access.

There is also a privilege named ModifyData1Maintain that has the ModifyData1 menu item as an entry point, with the Access Level property set to Delete. You create a new privilege named ModifyData2View and add the ModifyData2 menu item as an entry point. You set the Access Level property to Read on the ModifyData2 entry point.

You need to create a new duty named DataManager so that a role with this duty can delete data from ModifyData when accessed through ModifyData1 and read data on the ModifyData form when accessed through ModifyData2.

What should you do to achieve this goal?

- A. Grant the ModifyData1Maintain privilege and the ModifyData2View privilege to the DataManager duty.
- B. Grant the ModifyData2View privilege to the DataManager duty.
- C. Grant the ModifyData1Maintain privilege to the DataManager duty.
- D. Grant the ModifyData1View privilege and the ModifyData2View privilege to the DataManager duty.

Answer: A

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

NEW QUESTION 136

You create a new table with the Valid Time State Field Type property set to Date. You add the table as a singular data source to a form, and create a display menu item that opens the form.

You add the menu item as an entry point to a new privilege and want to ensure that a role with the privilege can edit records without creating new records.

To achieve this goal, what is the minimum access level you should grant to the entry point?

- A. Create
- B. Delete
- C. Correct
- D. Update

Answer: D

NEW QUESTION 139

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

You want to create packages for a Microsoft Dynamics 365 for Retail environment. Which application tool serves as the storage and development area for packages?

- A. Asset Library
- B. Lifecycle Services (LCS)
- C. Runbook
- D. Visual Studio Team Services (VSTS)

Answer: B

NEW QUESTION 144

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 149

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 150

You are writing an X++ method.

You need to perform the same logic for multiple records in the database. How should you iterate over multiple records in X++?

- A. Declare a table buffer variable, and then write a "while select" statement to iterate through each record.

- B. Declare a shared variable for the table, and use the next() method to read each record.
- C. Declare a RecordSortedList variable for the table, and use the next() method to read each record.
- D. Declare an enumerator for the table, and call the moveNext() method to read each record.

Answer: A

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

NEW QUESTION 152

You are an Independent Software Vendor (ISV) developer working on a new solution, and you need to use a custom icon. What should you create to add this icon to the solution?

- A. a reference to the icon in the project
- B. an Image folder, and then add the icon
- C. a tile item in the model
- D. a resource item in the model

Answer: D

Explanation: Section: Develop new elements by using Application Explorer (20-25%)
Resources enable management of the pictures, icons, and other visual representations for elements that are used within the user interface.

NEW QUESTION 157

You are an Independent Software Vendor (ISV) developer who is part of a team that is developing a new Microsoft Dynamics 365 for Finance and Operations solution for a client.

Another developer adds a resource item to the model.

In which two ways can you use this resource? Each correct answer presents a complete solution.

- A. as a visual element of an Image control
- B. as the banner of the application dashboard
- C. as an icon on a Tile item
- D. as an Assembly in the model

Answer: BC

NEW QUESTION 158

You are creating a FactBox form.

You need to determine whether you should use the Form Part Factbox Grid form pattern or the Form Part Factbox Card form pattern.

In which situation should you opt to use the Form Part Factbox Grid?

- A. when the form that the part is on contains a grid
- B. if the FactBox resides on a form that has more than one datasource
- C. when you want to display multiple rows of related information
- D. if the FactBox resides on more than one part of the form

Answer: C

Explanation: References:
<https://docs.microsoft.com/en-us/dynamics365/unified-operations/dev-itpro/user-interface/factbox-form-patterns>

NEW QUESTION 159

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