



MB-500^{Q&As}

Microsoft Dynamics 365 Finance and Operations Apps Developer





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QUESTION 1

You need to implement the payroll application data process.

Which two objects should you create? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. a data contract class that uses the DataContractAttribute attribute
- B. a service class that has a public method which accepts a single parameter for a contract
- C. a class that extends SysOperationServiceBase
- D. an UIBuilder class that extends SysOperationAutomaticUIBuilder

Correct Answer: AC

Scenario: You must develop a process to import payroll journals into the system.

A: Data Contract: Data contract class is the model class defining attributes needed for batch operations. These attributes are provided by the user, in a dialog. DataContractAttribute attribute is needed for the class and the properties methods requires DataMemberAttribute attribute.

C: Service: Service class extends from the SysOperationServiceBase class and contains the business logic for the batch operation. Developers often tend to add the business logic in controller classes, which violates the Single responsibility principle.

Incorrect Answers:

D: UI Builder: UI Builder class extends from SysOperationAutomaticUIBuilder class and is used for adding custom behavior to dialog / dialog fields dynamically constructed by the SysOperation framework.

Reference: <http://daxingwitheshant.blogspot.com/2018/06/sysoperation-framework.html>

QUESTION 2

A company uses Dynamics 365 Finance.

You implement an extension of a method named calc in ClassA. The calc method:

1.
Accepts an integer as an input parameter.
2.
Returns an integer as an output parameter.

You must implement an extension to:

- 1.



Extend the calc method.

2.

Prevent the standard code from running if the value of the input parameter is greater than 10.

You need to implement the correct solution.

Which code segment should you use?

```
if ( truckTable.TruckStatus == 4 || truckTable.TruckStatus == 5)
{
    Info("Extended");
}
```

A. Option A

B. Option B

C. Option C

D. Option D

Correct Answer: A

Class extension - Method wrapping and Chain of Command

Wrapper methods must always call next (not B)

Wrapper methods in an extension class must always call next, so that the next method in the chain and, finally, the original implementation are always called. This restriction helps guarantee that every method in the chain contributes to the

result.

In the current implementation of this restriction, the call to next must be in the first-level statements in the method body.

Here are some important rules:

Calls to next can't be done conditionally inside an if statement. (not D)

Calls to next can't be done in while, do-while, or for loop statements.

A next statement can't be preceded by a return statement.

Because logical expressions are optimized, calls to next can't occur in logical expressions. At runtime, the execution of the complete expression isn't guaranteed.

Incorrect:

Not B: Need to use the next keyword.

Not C: Use the if-statement before the next-statement to prevent the standard code to run.

Not D: Calls to next can't be done conditionally inside an if statement.



Reference:

<https://learn.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/extensibility/method-wrapping-coc>

QUESTION 3

You are Dynamics 365 Finance developer.

You need to initialize an embedded Microsoft Power BI report.

Which code segment should you add to the form initialization method?

- A. `addReportControl(formGroupControl)`
- B. `initializeReportControl(WorkspaceName, FormGroup)`
- C. `initializeReportControlOnWorkspace(powerBIConfiguration, reportParameters, formGroupControl)`
- D. `deployOrUpdateReport(powerBIConfiguration, reportName, resourceName)`

Correct Answer: B

`PBIReportHelper.initializeReportControl` method is used to embed a Power BI report (.pbix resource) in a form group control.

```
PBIReportHelper::initializeReportControl(\\FMPBIWorkspaces\\, powerBIReportGroup);
```

Reference:

<https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/analytics/add-analytics-tab-workspaces>

QUESTION 4

DRAG DROP

A company uses Dynamics 365 Unified Operations.

You need to integrate the system with third-party applications.

Which data integration strategies should you use? To answer, drag the appropriate data integration strategies to the correct scenarios. Each strategy may be used once, more than once, or not at all. You may need to drag the split bar

between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:



Answer Area

Scenario

Strategy

Strategies

OData endpoint

batch data API

custom service

Excel integration

Users have a customer portal and must be able to query the status of orders for customers in near real time. Less than 500 status requests occur per hour.

Employees use a third-party app to record customer orders. You must upload orders to the system once each hour. The company processes approximately 10,000 orders each hour.

Employees use a third-party software as a service app to manage delivery schedules. The software must be able to calculate and obtain inventory availability for deliveries in real time. Approximately 5,000 requests occur each hour.

Correct Answer:

Answer Area

Scenario

Strategy

Strategies

Excel integration

Users have a customer portal and must be able to query the status of orders for customers in near real time. Less than 500 status requests occur per hour.

Employees use a third-party app to record customer orders. You must upload orders to the system once each hour. The company processes approximately 10,000 orders each hour.

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OData endpoint

batch data API

custom service

Reference: <https://docs.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/data-entities/integration-overview>

QUESTION 5

DRAG DROP

You are a Dynamics 365 Finance developer.

Users must be able to view a filtered customer list from within a workspace.

You need to add the customer form to a workspace.

Which four actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them on the correct order.

Select and Place:



Answer Area

Actions

- Navigate to the Workspace form and select **Find form to add**.
- Select **Workspace and Presentation options**.
- Select the **Options** action pane tab and then select **Add to workspace**.
- Open the customer form and apply filters to the grid.
- Select **Configure**.
- Select the General menu item then select **Add to workspace**.

Four empty red-bordered boxes for the answer area.

Correct Answer:

Answer Area

Actions

- Navigate to the Workspace form and select **Find form to add**.
-
-
-
-
- Select the General menu item then select **Add to workspace**.

- Open the customer form and apply filters to the grid.
- Select the **Options** action pane tab and then select **Add to workspace**.
- Select **Workspace and Presentation options**.
- Select **Configure**.