



70-566

(UPGRADE: Transition your MCPD Windows Developer Skills to MCPD Windows Developer 3.5)

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Question: 1

You are creating a Windows application by using the .NET Framework 3.5. You plan to develop utility classes for the application. The classes will provide a data access layer, a business logic layer, and a presentation layer. The presentation layer utility class provides functions for the controls on the forms. You need to ensure that the utility classes can be reused in other applications. You want to achieve this goal by using minimum possible development effort. What should you do?

- A. Create a Web service that references the utility classes.
- B. Create a utility class for the data access layer, business logic layer, and the presentation layer as a class library.
- C. Create a utility class for the data access layer and the business logic layer as a class library. Create a separate utility class for the presentation layer as an executable.
- D. Create a utility class as a Windows Presentation Foundation (WPF) control for the data access layer and the business logic layer. Create a separate utility class for the presentation layer as a console application.

Answer: B

Question: 2

You are creating a Windows application by using the .NET Framework 3.5. The application will be used for telephone directory management. The application has the following specifications:

It stores data in a Microsoft SQL Server 2008 database instance. It uses the LINQ to SQL model. It stores the photograph of each directory member in the Picture column of the DirectoryEntry table. It displays the directory information in a DataGridView control. It supports expansion of rows of the DataGridView control to display the complete photograph of the directory member. The application is frequently used across remote or slow database connections.

You need to implement the lazy load technique to load the photographs from the database. You also need to ensure that the implementation has minimum effect on the database connection. What should you do?

- A. Configure the Picture property of the DirectoryEntry entity in the LINQ to SQL model. Set the Delay Loaded property to True.
- B. Identify the DataGridView column that contains the photograph. Set the Visible property of the column to False. Identify the DataGridView column that contains the photograph. Set the Visible property of the column to True when the row that contains the photograph is expanded.

- C. Create a `DataLoadOptions` object in the method that is used to execute the LINQ query. Call the `LoadWith` method of the object along with the `de => de.Picture` statement. Use the `DataLoadOptions` object when the statement is executed.
- D. Modify the method that executes the LINQ query to accept a Boolean parameter which indicates whether a photograph is to be loaded. Include a data-shaping clause to exclude the `Picture` column from the list of columns that are returned if the Boolean parameter is `False`. Execute the method initially by setting the Boolean parameter to `True`. Repeat the method execution by setting the Boolean parameter to `False` when the `DataGridView` row is expanded.

Answer: A

Question: 3

You are creating a Windows application by using the .NET Framework 3.5. The application contains a form to enter user details. The application must capture the preferred search engine as part of input data. You discover that the preferred search engine can be a known search engine or an unknown one. You need to allow the user to select a value for the preferred search engine from a list of search engines. You also need to allow the user to enter a value for the search engine in the same list. Which control should you use?

- A. A `ListBox` control that has the `SelectionMode` property set to 1
- B. A `TextBox` control that has the `AutoCompleteSource` property set to `Custom`
- C. A `ComboBox` control that has the `DropDownStyle` property set to `DropDown`
- D. A `ComboBox` control that has the `DropDownStyle` property set to `DropDownList`

Answer: C

Question: 4

You are creating a Windows application by using the .NET Framework 3.5. The application must meet the following requirements:

- It records the details of the users who modify sensitive information. It requires a context-related stack dump for the details. It is executed by using the local user account without administrative privileges.**
- You need to ensure that the requirements are met by using minimum possible development effort. What should you do?**

- A. Store the user details to a text file when a user modifies sensitive information.
- B. Store the user details as a log entry to the Windows application log when a user modifies sensitive information.
- C. Use the `Trace.WriteLine` method to generate trace information when a user modifies sensitive information. Configure the `TraceListener` object to save the trace information.

D. Add performance counters to the application for each set of sensitive information. Write a code segment to record the details of users who modify sensitive information.

Answer: C

Question: 5

You create a Windows application by using the .NET Framework 3.5. You plan to deploy an application by using the ClickOnce deployment method. The application has the followingspecifications:

It contains multiple components. It is based on the .NET Framework 3.5. The .NET Framework 3.5 is not installed on all the client computers.

You need to install the .NET Framework 3.5 on the client computers during the application deployment process. What should you do?

- A. Use the bootstrapping feature of the ClickOnce deployment method.
- B. Include the .NET Framework 3.5 in the platform dependencies of the ClickOnce deployment method.
- C. Change the method for deployment to the Microsoft Windows Installer (MSI) packages and disable the bootstrapping feature.
- D. Use registration-free Component Object Model (COM) components for deployment and set the Isolated property to TRUE.

Answer: A

Question: 6

You are creating a Windows application by using the .NET Framework 3.5. The application uses multiple threads. You need to ensure that any exceptions that occur while executing the application are reported to the common exception handler. You want to achieve the goal by using minimum development effort. What should you do?

- A. Place a TRY CATCH statement around every method in the application.Report any exceptions to the common handler.
- B. Place a TRY CATCH statement inside the Form_Load event in the main form, and report any exceptions to the common handler.Handle the Application.ThreadExit event, and report any exceptions to the common handler.
- C. Place a TRY CATCH statement around the call to the Application.Run method, and report any exceptions to the common handler.Handle the Application.ThreadException event, and report any exceptions to the common handler.
- D. Place a TRY CATCH statement around every call to the System.Threading.Thread.Start method in the application.Report any System.Threading.Thread.ThreadStateException to the common handler.

Question: 7

You create a Windows application named APP1. APP1 has a single form. It merges information from a database on a server computer named Server1. You discover that when APP1 runs on a server computer, it consumes additional memory. This additional memory is used by APP2. You need to modify APP1. What should you do?

- A. Use the + operator to concatenate strings.
- B. Use the String.Concat method to concatenate strings.
- C. Write a code segment that uses the + operator to concatenate strings.
- D. Write a code segment that uses the String.Concat method to concatenate strings.

Answer: C

The application is running on a server computer named Server1. You discover that when APP1 runs on a server computer, it consumes additional memory. This additional memory is used by APP2. What should you do?

s. Configure the

Answer: B

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