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Vendor:Microsoft

Exam Code:70-518

Exam Name:PRO: Design & Develop Wndws Apps
Using MS .NET Frmwrk 4

Version:Demo

QUESTION 1

You have developed a Windows Forms server application by using Microsoft .NET Framework 4.

Client applications connect to the server application to receive streaming media on demand on a single server. Each incoming connection is launched on a separate thread.

As the number of client applications increases, users report that connection attempts intermittently fail.

You need to ensure that users can connect to the server application even when the number of client applications increases.

What should you do?

- A. Add additional RAM to the server. Increase the size of the thread pool.
- B. Add additional RAM to the server. Decrease the size of the thread pool.
- C. Install a network load balancer. Increase the size of the connection pool.
- D. Install a network load balancer. Decrease the size of the connection pool.

Correct Answer: A

QUESTION 2

You are designing a .NET Framework 4 solution that contains a Windows Presentation Foundation (WPF) application and a Windows Communication Framework (WCF) Web service.

The WPF application will be deployed to users' desktops located in the company's corporate network. The WCF Web service will be deployed to a Web farm located in the company's perimeter network. The firewall between the perimeter

network and the Internet allows only HTTP and HTTPS traffic.

You need to recommend an approach for minimizing the attack surface of the WCF Web service.

What should you recommend?

- A. Configure a WCF endpoint to use the MetTcpBinding binding.
- B. Configure a WCF endpoint to use the basicHttpBinding binding.
- C. Add a load-balancing router to the Web farm configuration.
- D. Set up an SSL certificate on the server.

Correct Answer: D

QUESTION 3

You are designing a Windows application by using Microsoft .NET Framework 4 and Microsoft Visual Studio 2010.

You plan to implement control caching to improve the loading time of a control. It is not required to refresh the content of the control after the application loads. The application will be compiled by using the .NET 4 client profile.

You need to ensure that the following requirements are met:

The control is reusable in multiple forms.

Data in the control is cached when the application is loaded.

What should you do?

- A. In the Load event of the application window, add code to load the control. Save the control to an instance variable.
- B. In the Load event of the application window, add code to load the control. Save the control to the cache by using objects in the System.Web.Caching namespace.
- C. In the constructor of the application window, add code to load the control. Save the control to a static variable.
- D. In the constructor of the application window, add code to load the control. Save the control to the cache by using objects in the System.Web.Caching namespace.

Correct Answer: C

QUESTION 4

You are designing an application by using Microsoft .NET Framework 4 and Microsoft Visual Studio 2010. The application will store data that includes a time and date stamp. The middle tier of the application is implemented by using Windows Communication Foundation (WCF). The middle tier connects to geographically separated database servers.

You need to ensure that the application meets the following requirements; Data stored contains time and date information local to the database server. Data stored contains Universal Coordinated Time (UTC).

Which class should you use?

- A. DateTime
- B. TimeZone
- C. DateTimeOffset
- D. TimeZoneInfo

Correct Answer: C

QUESTION 5

You are designing an update to an existing Windows Presentation Foundation (WPF) application. You plan to use Microsoft Visual Studio 2010. The updated WPF application will require a specific version of a third-party component.

You have the following requirements:

Deploy the update by using Windows Installer.

Update the WPF application only if the required version of the third-party component is present on the client computer.

You need to recommend configuration settings for the application installer. Which property should you recommend be set?

- A. The Version property of the .NET Launch Condition
- B. The Condition property of a new Launch Condition
- C. The RemovePreviousVersions property of the Setup Project
- D. The Version property of the Setup Project

Correct Answer: B

QUESTION 6

You have developed a Windows application by using Microsoft .NET Framework 4, Windows Presentation Foundation (WPF), and Microsoft SQL Server 2008.

The application is deployed as an XAML Browser Application (XBAP) and executes in the Internet Zone in Internet Explorer. The application updates data in a SQL Server 2008 database. Users report that a SecurityException exception

occurs when the application attempts to save data to the database.

You need to design a solution to resolve the problem.

What should you do?

- A. Redesign the XBAP application by using partial trust.
- B. Redesign the XBAP code to utilize stored procedures.
- C. Design a WCF Service tier to provide database access.
- D. Design a data access layer that uses ASP.NET Entity Framework to communicate with the database by using the System.Data.SqlClient class.

Correct Answer: C

QUESTION 7

You are designing an n-tier .NET Framework 4 solution that includes a Windows Presentation Foundation (WPF)

application. The WPF application will access data stored in a Microsoft SQL Server 2008 database by using the solution's data

access tier. The data access tier must also be available from within Microsoft Excel 2010.

You need to recommend a technology for accessing the data access tier.

Which technology should you recommend?

- A. ADO.NET Entity Framework 4
- B. LINQ to SQL
- C. WCF Data Services
- D. LINQ to XML

Correct Answer: C

QUESTION 8

You are designing an application by using Microsoft .NET Framework 4 and Microsoft Visual Studio 2010. The application will store data that includes a time and date stamp.

The middle tier of the application is implemented by using Windows Communication Foundation (WCF).

The middle tier connects to geographically separated database servers.

You need to ensure that the application meets the following requirements:

Data stored contains time and date information local to the database server.

Data stored contains Universal Coordinated Time (UTC).

Which class should you use?

- A. DateTime
- B. DateTimeOffset
- C. TimeZoneInfo
- D. TimeZone

Correct Answer: B

QUESTION 9

You are updating a Windows desktop client application that was created by using Microsoft .NET Framework 4 and Microsoft Visual Studio 2010.

The application displays data derived from several database queries. The display takes a long time to update.

The application currently uses a `BackgroundWorker` thread and a `Parallel.ForEach` statement on that thread.

Users have requested a modification to the program that would allow them to interrupt the display of data and begin processing a new and different query.

You decide to provide a new Stop button on the user interface (UI) to allow the user to terminate the current data display and initiate the new query.

The main UI thread must be notified when the current data processing is terminated so that the new query can be started.

You need to implement the Stop button event handler.

What should you do?

A. Use the `DoWork` handler of the worker thread and test a shared status value. Use a `break` statement to terminate the `Parallel.ForEach` loop.

B. Use the `DoWork` handler of the worker thread and test a shared status value. Use a `loopStatus.Stop()` statement to terminate the `Parallel.ForEach` loop.

C. Use the `DoWork` handler of the worker thread and test a shared status value. Use the `Thread.Abort` statement to terminate the worker thread. Start a new `BackgroundWorker` thread from the main UI thread.

D. Use a `CancelAsync()` function to cancel the worker thread. In the `Parallel.ForEach` loop, test the `CancellationPending` property. If the property is set to true, perform the following tasks:

Write a `loopStatus.Stop()` statement.

Set the `DoWorkEventArgs.Cancel` property to true.

Use a return statement to exit from the loop.

Correct Answer: D

QUESTION 10

You are creating a Windows Presentation Foundation (WPF) application by using Microsoft .NET Framework 4 and Microsoft Visual Studio 2010. The application will consist of several data entry forms. Each data entry form requires a user to enter phone numbers and addresses.

You need to design a solution that promotes code reusability.

What should you do?

A. Add multiple text boxes for each data entry form.

B. Use the same style resource for each data entry form.

C. Create a new user control and reference it on each data entry form.

D. Create a new merged resource dictionary and reference it from each data entry form.

Correct Answer: C

QUESTION 11

You are designing a Windows Presentation Foundation (WPF) application that uses .NET Framework 4. The application uses a subset of the functionality provided by a third-party COM component that will be replaced later.

The application developers must have access to only the required subset of functionality. You need to recommend a solution that meets the requirements.

Which two actions should you recommend? (Each correct answer presents part of the solution. Choose two.)

- A. Create an adapter assembly that exposes the entire functionality of the COM component.
- B. In the adapter assembly, use an embedded interop reference.
- C. In the adapter assembly, use a standard interop reference.
- D. Create an adapter assembly that exposes the required subset of the COM component functionality.

Correct Answer: CD

QUESTION 12

You are designing a Windows Presentation Foundation (WPF) data entry application. The application uses data binding to bind controls in the user interface (UI) to business objects. The UI uses validation rules for each input control.

The data validation rules change based on the state of the business object.

You need to recommend a validation strategy that will allow changes to the validation rules without changes to the UI code.

What should you recommend?

- A. Set the ValidationStep attribute on ValidationRule elements to RawProposedValue.
- B. Set the ValidationStep attribute on ValidationRule elements to CommittedValue.
- C. Implement the IDataErrorInfo interface in the business objects and replace all ValidationRule elements with Exception ValidationRule elements.
- D. Implement the IDataErrorInfo interface in the business objects and replace all ValidationRule elements with DataErrorValidationRule elements.

Correct Answer: D

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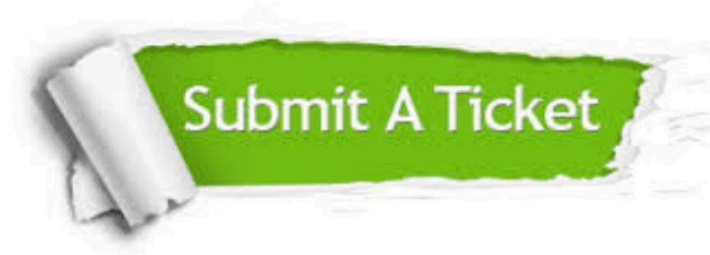
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