



**Microsoft**

**70-547-VB**

*PRO-Design and Develop Web-Based Apps by Using MS.NET Framework*

ShowDetails method of the parent form. Instantiate instances of the control as necessary in the Page\_Init event handler for the company type drop-down list box.

**Answer:** C

**QUESTION:** 63

You create Web-based client applications. You create an ASP.NET Web application that creates and manages online advertising campaigns. The ASP.NET Web application uses a Microsoft SQL Server 2005 database. You require the ASP.NET Web application to track the efficiency of the upcoming campaigns by comparing advertising results with campaign parameters. This requires adding a Web form that performs the following tasks:

Uses a target URL for all online advertising. Logs the referrer URLs.

Provides live reporting of referral data.

You need to identify the most effective storage mechanism to log the referral data. Which mechanism should you choose?

- A. Text files
- B. Application log
- C. The database
- D. IIS log files

**Answer:** C

**QUESTION:** 64

You create Web-based client applications. You identify a reusable software component that you need to use in your application. The component contains functionality to retrieve data from a database. However, the component does not include the functionality to change the color of a table cell when the user moves the mouse cursor into the cell. You need to add the effect of mouse cursor movement to the component in the most efficient way possible. What should you do?

- A. Create a new component that inherits from the existing component. Add the extended functionality of mouse cursor movement to the new component.
- B. Create a COM+ wrapper for the reusable software component. Add the extended functionality of the mouse cursor movement in the wrapper.
- C. Create a new component and make the existing component inherit from the new component. Add the extended functionality of the mouse cursor movement to the new component.
- D. Create your own custom reusable software component. Add the extended functionality of the mouse cursor movement to the new component.

**Answer: A**

**QUESTION: 65**

You create Web-based applications. You create a loan application form. The loan application form is used to calculate the monthly payment of loans. The monthly payment is based on the loan amount, rate, and number of months. The form contains four text boxes and a button. There are no other controls in the form. The application event handler has the following lines of code.(Line numbers are included for reference only.)

```
01 Protected Sub GetPayment(ByVal sender As Object, ByVal e As EventArgs)
02 Try
03 Dim rate As Decimal = Decimal.Parse(txtRate.Text)
04 Dim loanAmount As Decimal = Decimal.Parse(txtLoan.Text)
05 Dim period As Integer = Integer.Parse(txtPeriod.Text)
06 Dim monthlyPayment As Decimal = CalcPayment(rate, _
loanAmount, period)
07 txtPayment.Text = monthlyPayment.ToString("C")
08 Catch ex As OverflowException
09 ...
10 Catch ex As InvalidCastException
11 ...
12 Catch ex As Exception
13 ...
14 End Try
15 End Sub
```

You must prevent exceptions whenever possible to meet the application requirements. You need to evaluate the current exception handling mechanism. What should you conclude?

- A. The current exception handling mechanism meets the requirements. Nothing needs to be changed.
- B. The current exception handling mechanism does not meet the requirements. A required field validator and a range validator control must be added to validate each text box before the button is clicked.
- C. The current exception handling mechanism does not meet the requirements. A required field validator control must be added to validate each text box before the button is clicked.
- D. The current exception handling mechanism does not meet the requirements. A regular expression validator control must be added to validate each text box before the button is clicked.

**Answer: B**

**QUESTION: 66**

You create Web-based client applications. You are creating an application to display the local weather details at the bottom of the home page. You include a third-party software

component for this purpose. On testing, you find that the home page fails to load and throws a cryptic error message. The error message displays line numbers that represent the lines that call the third-party software component. You need to ensure that the home page loads even if the local weather details fail to display. You also need to ensure that the home page displays a message if the local weather report fails to display. You need to implement the solution in the shortest possible time. Which approach should you choose?

- A. Reference the third-party component inside the Try clause of a Try-catch-finally statement. In the Catch clause, write code to display a message saying the weather is unavailable.
- B. Find a new third-party software component that can insert messages when the weather is unavailable.
- C. Reference the third-party component inside the If clause of an If-then-else statement. In the Else clause, write code to display a message saying the weather is unavailable.
- D. Call the Dispose method of the component after you use it.

**Answer:** A

**QUESTION:** 67

You create Web-based client applications. You are evaluating the configuration architecture of an application that connects to a database by using a connection string. This connection string contains a user name and a password. You place the connection string in the <connectionStrings> section of the Web.config file. You want to ensure that the connection string is protected. You need to decide the format in which to store the configuration attributes. What should you recommend?

- A. Encrypting the <protectedData> section, the <connectionStrings> section, and the <CipherData> section of the Web.config file.
- B. Encrypting the entire Web.config file.
- C. Encrypting the <connectionStrings> section of the Web.config file.
- D. Encrypting the <connectionStrings> section and the <protectedData> section of the Web.config file.

**Answer:** C

**QUESTION:** 68

You create Web-based client applications. You are creating a component. The component implements a document explorer for navigating the document tree and selecting documents for editing. The component will be used as a user interface element in your application as well as in other developers applications. You need to include the component easily on any page of your application or in any other developers application. You also need to permit

other developers to use your component in the visual designer. How should you create the component?

- A. Create the component as an .aspx page that has embedded code blocks to draw the document tree and handle events. Instruct other developers to access your component by using ASP.NET #include statements.
- B. Create an ASP.NET master page that includes your component as a document explorer in the left navigation bar. Instruct other developers to create their pages as content pages that are associated to your master page.
- C. Create an ASP.NET user control to present the document explorer. Instruct other developers to include the source code for your user control in their projects.
- D. Create an ASP.NET Server control to present the document explorer. Instruct other developers to reference your server control from their projects.

**Answer:** D

**QUESTION:** 69

You create Web-based client applications. You are designing a client application that will offer real-time multimedia services. The application must meet the following requirements:

- Enable playback of large video files.
- Perform consistently across connection speeds that vary.
- Control the amount of bandwidth that is consumed by each connection.

You need to recommend an appropriate solution. What should you recommend?

- A. Use IIS to download multimedia files to play later.
- B. Use Microsoft Windows Media Services to download multimedia files to play later.
- C. Use Microsoft Windows Media Services to stream multimedia files.
- D. Use IIS to stream multimedia files.

**Answer:** C

**QUESTION:** 70

You create Web-based client applications. You are creating a Web page that permits a user to enter information to apply for a loan. The amount that the user is permitted to request depends upon the type of the loan and the term of the loan. The Web page must perform the following tasks:

- Ensure that the user enters a valid loan amount.
- Prevent unnecessary trips to the server.

You need to implement an appropriate validation strategy for the application. What should you do?

- A. Validate the data by using client-side scripting.

- B. Validate the data by using the CustomValidator control.
- C. Validate the data by using the RangeValidator control and the CompareValidator control.
- D. Validate the data after it is submitted to the server.

**Answer:** B

**QUESTION:** 71

You create Web-based client applications. You are creating a Web-based discussion forum. The discussion forum will permit users to post and reply to discussion threads after logging on. You create the authentication mechanisms of your Web site. Microsoft SQL Server 2005 and the Active Directory directory service will continue to be used interchangeably for authentication. You need to provide a method for the users of the discussion forum to register. You also need to maintain the capability to use multiple authentication methods when the users register. Which method should you use?

- A. Create a custom component that provides a new user registration form and stores the results in XML that matches a defined schema, which can then be imported into any desired authentication scheme.
- B. Create a form that contains standard text boxes for the required user information. Use the post back of the form to pass the information to a custom class that is associated with the selected authentication scheme of the particular Web forum.
- C. Create a custom component that consumes the ASP.NET 2.0 Membership Provider Model and create custom Membership Providers.
- D. Create a form that contains a CreateUserWizard control and configure Membership Providers.

**Answer:** D

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