70-316

MCSD .NET Developing and Implementing Windows-based Applications with Microsoft Visual C# .NET

Q&A

DEMO Version

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Technical and Support Team
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Question No: 1 You develop a kiosk application that enables users to register for an e-mail account in your domain. Your application contains two TextBox controls named textName and textEmail.

Your application is designed to supply the value of textEmail automatically. When a user enters a name in textName, an e-mail address is automatically assigned and entered in textEmail. The ReadOnly property of textEmail is set to True.

Your database will store each user's name. It can hold a maximum of 100 characters for each name. However, the database can hold a maximum of only 34 characters for each e-mail address. This limitation allows 14 characters for your domain, @proseware.com, and 20 additional characters for the user's name.

If a user enters a name longer than 20 characters, the resulting e-mail address will contain more characters than the database allows. You cannot make any changes to the database schema.

You enter the following code in the Leave event handler of textName:

```
textEmail.Text = textName.Replace(" ",".") +
"@proseware.com";
```

Now you must ensure that the automatic e-mail address is no longer than 34 characters. You want to accomplish this goal by writing the minimum amount of code and without affecting other fields in the database.

What should you do?

A. Set the textName.Size property to "1,20".
B. Set the textEmail.Size property to "1,34".
C. Set the textName.AutoSize property to True.
D. Set the textEmail.AutoSize property to True.
E. Set the textName.MaxLength property to 20.
F. Set the textEmail.MaxLength property to 34.
G. Change the code in textName_Leave to ensure that only the first 20 characters of textName.Text are used.
H. Use an ErrorProvider control to prompt a revision if a user enters a name longer than 20 characters.

Answer: G

Question No: 2 You use Visual Studio .NET to create a Windows-based application. The application includes a form named Shipments. You implement print functionality in Shipments by using the native .NET System Class Libraries. Shipments will print a packing list on tractor-fed preprinted forms. The packing list always consists of two pages. The bottom margin of page 2 is different from the bottom margin of page 1. You must ensure that each page is printed within the appropriate margins. What should you do?

A. When printing page 2, set the bottom margin by using the PrintPageEventArgs object.
B. When printing page 2, set the bottom margin by using the QueryPageSettingsEventArgs object.
C. Before printing, set the bottom margin of page 2 by using the PrintSetupDialog object.
D. Before printing, set the bottom margin of page 2 by using the PrinterSettings object.

Answer: A

Question No: 3 You use Visual Studio .NET to create a Windows-based application. You need to make the application accessible to users who have low vision. These users navigate the interface by using a screen reader which translates information about the controls on the screen into spoken words. The screen reader must be able to identify which control currently has focus. One of the TextBox controls in your application enables users to enter their names. You must ensure that the screen reader identifies this TextBox control by speaking the word "name" when a user changes focus to this control. Which property of this control should you configure?

A. Tag
B. Text
C. Name
D. AccessibleName
E. AccessibleRole

Answer: D

Question No: 4 You use Visual Studio .NET to develop a Windows-based application that interacts with a Microsoft SQL Server database. Your application contains a form named CustomerForm, which includes the following design-time components:

SqlConnection object named NorthwindConnection
SqlDataAdapter object named NorthwindDataAdapter
DataSet object named NorthwindDataSet, based on a database table named Customers

At run time you add a TextBox control named textCompanyName to CustomerForm. You execute the Fill method of NorthwindDataAdapter to populate Customers. Now you want to use data binding to display the CompanyName field exposed by NorthwindDataSet in textCompanyName.

Which code segment should you use?

A. textCompanyName.DataBindings.Add("Text",
NorthwindDataSet, "CompanyName");
B. textCompanyName.DataBindings.Add("Text",
NorthwindDataSet, "Customers.CompanyName");
C. textCompanyName.DataBindings.Add("Text",
NorthwindDataAdapter, "CompanyName");
D. textCompanyName.DataBindings.Add("Text",
NorthwindDataAdapter, "Customers.CompanyName");

Answer: B

Question No: 5 You develop a Windows-based application that includes several menus. Every top-level menu contains several menu items, and certain menus contain items that are mutually exclusive. You decide to distinguish the single most important item in each menu by changing its caption text to bold type. What should you do?

A. Set the DefaultItem property to True.
B. Set the Text property to "True".
C. Set the Checked property to True.
D. Set the OwnerDraw property to True.

Answer: A

Question No: 6 You develop a Visual Studio .NET application that dynamically adds controls to its form at run time. You include the following statement at the top of your file:

using System.Windows.Forms;

In addition, you create the following code to add Button controls:

Button tempButton = new Button(); tempButton.Text = NewButtonCaption; tempButton.Name = NewButtonName; tempButton.Left = NewButtonLeft; tempButton.Top = NewButtonTop; this.Controls.Add(tempButton); tempButton.Click += new EventHandler(ButtonHandler);

Variables are passed into the routine to supply values for the Text, Name, Left, and Top properties.

When you compile this code, you receive an error message indicating that ButtonHandler is not declared. You need to add a ButtonHandler routine to handle the Click event for all dynamically added Button controls. Which declaration should you use for ButtonHandler?

A. public void ButtonHandler()
B. public void ButtonHandler(System.Windows.Forms.Button sender)
C. public void ButtonHandler(System.Object sender)
D. public void ButtonHandler(System.Windows.Forms.Button
sender, System.EventArgs e)
E. public void ButtonHandler(System.Object sender,
System.EventArgs e)

Answer: E

Question No: 7 Another developer creates data files by using a computer that runs a version of Microsoft Windows XP Professional distributed in France. These files contain financial transaction information, including dates, times, and monetary values. The data is stored in a culture-specific format. You develop an application that uses these data files. You must ensure that your application correctly interprets all the data, regardless of the Culture setting of the client operating system. Which code segment should you add to your application?

A. using System.Threading; using
System.Data;
Thread.CurrentThread.CurrentCulture =
new CultureInfo("fr-FR");
B. using System.Threading; using
System.Data;
Thread.CurrentThread.CurrentCulture =
new TextInfo("fr-FR");
C. using System.Threading; using
System.Globalization;
Thread.CurrentThread.CurrentCulture =
new CultureInfo("fr-FR");
D. using System.Threading; using
System.Globalization;
Thread.CurrentThread.CurrentCulture =
new TextInfo("fr-FR");

Answer: C

Question No: 8 You develop a Windows-based application that enables users to enter product sales. You add a subroutine named CalculateTax.

You discover that CalculateTax sometimes raises an IOException during execution. To address this problem, you create two additional subroutines named LogError and CleanUp. These subroutines are governed by the following rules:

LogError must be called only when CalculateTax raises an exception.
CleanUp must be called whenever CalculateTax is complete.

You must ensure that your application adheres to these rules. Which code segment should you use?

A. try
{ CalculateTax();
LogError(); } catch
(Exception e)
{ CleanUp(e); }

B. try
{ CalculateTax(); }
catch (Exception e)
{ LogError(e);
CleanUp(); }

C. try
{ CalculateTax(); }
catch (Exception e)
{ LogError(e); }
finally { CleanUp(); }

D. try
{ CalculateTax(); }
catch (Exception e)
{ CleanUp(e); }
finally
{ LogError(); }

Answer: C

Question No: 9 You develop a Windows Form that provides online help for users. You want the help functionality to be available when users press the F1 key. Help text will be displayed in a pop-up window for the text box that has focus. To implement this functionality, you need to call a method of the HelpProvider control and pass the text box and the help text. Which method should you call?

A. SetShowHelp
B. SetHelpString
C. SetHelpKeyword
D. ToString

Answer: B

Question No: 10 You develop an application that includes a Contact class. The Contact class is defined by the following code: You create a form anmed MainForm. This form must include code to handle the ContactSaved event raised by the Contact object.The Contact object will be initialized by a procedure named CreateContact.

Which code segment should you use?

```
public class Contact {
  private string name;
  public event EventHandler ContactSaved;

 public string Name {
  get {return name;}
  set  {name = value;}
 }

 public void Save() {
  // Insert Save code.
  // Now raise the event.
  OnSave();
 }

 public virtual void OnSave() {
  // Raise the event:
  if (ContactSaved != null) {
   ContactSaved(this, null);
  }
 }
}
```

A.
```
private void HandleContactSaved() {
  // Insert event handling code.
}

private void CreateContact() {
  Contact oContact = new Contact();
  oContact.ContactSaved +=
    new EventHandler(HandleContactSaved);
  oContact.Name = "Bruce";
  oContact.Save();
}
```

B.
```
private void HandleContactSaved(
  object sender, EventArgs e) {
  // Insert event handling code.
}

private void CreateContact() {
  Contact oContact = new Contact();
  oContact.Name = "Bruce";
  oContact.Save();
}
```

C.
```
private void HandleContactSaved(
  object sender, EventArgs e) {
  // Insert event handling code.
}

private void CreateContact() {
  Contact oContact = new Contact();
  oContact.ContactSaved +=
    new EventHandler(HandleContactSaved);
  oContact.Name = "Bruce";
  oContact.Save();
}
```

D.
```
private void HandleContactSaved(object sender,
  EventArgs e) {
  // Insert event-handling code.
}

private void CreateContact() {
  Contact oContact = new Contact();
  new EventHandler(HandleContactSaved);
  oContact.Name = "Bruce";
  oContact.Save();
}
```

A. A
B. B
C. C
D. D

Answer: C