

Microsoft 70-562 Exam Demo

Visual Basic:

1. You create a Microsoft ASP.NET Web application by using the Microsoft .NET Framework version 3.5. The application uses ASP.NET AJAX, and you plan to deploy it in a Web farm environment. You need to configure SessionState for the application. Which code fragment should you use?

A: `<sessionState mode="InProc" cookieless="UseCookies" />`

B: `<sessionState mode="InProc" cookieless="UseDeviceProfile" />`

C: `<sessionState mode="SQLServer" cookieless="false" sqlConnectionString="Integrated Security=SSPI;data source=MySqlServer;" />`

D: `<sessionState mode="SQLServer" cookieless="UseUri" sqlConnectionString="Integrated Security=SSPI;data source=MySqlServer;" />`

Correct Answers: C

2. You are maintaining a Microsoft ASP.NET Web Application that was created by using the Microsoft .NET Framework version 3.5. You obtain the latest version of the project from the source control repository. You discover that an assembly reference is missing when you attempt to compile the project on your computer. You need to compile the project on your computer. What should you do?

A: Add a reference path in the property pages of the project to the location of the missing assembly.

B: Add a working directory in the property pages of the project to the location of the missing assembly.

C: Change the output path in the property pages of the project to the location of the missing assembly.

D: Delete the assembly reference. Add a reference to the missing assembly by browsing for it on your computer.

Correct Answers: A

3. You create a Microsoft ASP.NET Web application by using the Microsoft .NET Framework version 3.5. You plan to set up authentication for the Web application. The application must support users from untrusted domains. You need to ensure that anonymous users cannot access the application. Which code fragment should you add to the Web.config file?

A: `<system.web> <authentication mode="Forms"> <forms loginUrl="login.aspx" /> </authentication> <authorization> <deny users="" /> </authorization></system.web>`

B: `<system.web> <authentication mode="Forms"> <forms loginUrl="login.aspx" /> </authentication> <authorization> <deny users="*" /> </authorization></system.web>`

C: `<system.web> <authentication mode="Windows"> </authentication> <authorization>`

```
<deny users="?" /> </authorization></system.web>
```

```
D: <system.web> <authentication mode="Windows"> </authentication> <authorization>  
<deny users="*" /> </authorization></system.web>
```

Correct Answers: A

4. You create a Microsoft ASP.NET Web application by using the Microsoft .NET Framework version 3.5. The computer that hosts the ASP.NET Web application contains a local instance of Microsoft SQL Server 2005. The instance uses Windows Authentication. You plan to configure the membership providers and the role management providers. You need to install the database elements for both the providers on the local computer. What should you do?

A: Run the sqlcmd.exe -S localhost E command from the command line.

B: Run the aspnet_regiis.exe -s localhost command from the command line.

C: Run the sqlmetal.exe /server:localhost command from the command line.

D: Run the aspnet_regsql.exe -E -S localhost -A mr command from the command line.

Correct Answers: D

5. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5. The application uses a set of general-purpose utility classes that implement business logic. These classes are modified frequently. You need to ensure that the application is recompiled automatically when a utility class is modified. What should you do?

A: Create the Web application by using a Microsoft Visual Studio ASP.NET Web site. Add the utility classes to the App_Code subfolder of the Web application.

B: Create the Web application by using a Microsoft Visual Studio ASP.NET Web Application project. Add the utility classes to the App_Code subfolder of the Web application.

C: Create the Web application by using a Microsoft Visual Studio ASP.NET Web site. Add the utility classes to the root folder of the Web application.

D: Create the Web application by using a Microsoft Visual Studio ASP.NET Web Application project. Add the utility classes to the root folder of the Web application.

Correct Answers: A

6. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5. The application uses 10 themes and allows the users to select their themes for the Web page. When a user returns to the application, the theme selected by the user is used to display pages in the application. This occurs even if the user returns to log on at a later date or from a different client computer. The application runs on different storage types and in different environments. You need to store the themes that are selected by the users and retrieve the required theme. What should you do?

A: Use the Application object to store the name of the theme that is selected by the user. Retrieve the required theme name from the Application object each time the user visits a page.

B: Use the Session object to store the name of the theme that is selected by the user. Retrieve the required theme name from the Session object each time the user visits a page.

C: Use the Response.Cookies collection to store the name of the theme that is selected by the user. Use the Request.Cookies collection to identify the theme that was selected by the user each time the user visits a page.

D: Add a setting for the theme to the profile section of the Web.config file of the application. Use the Profile.Theme string theme to store the name of the theme that is selected by the user. Retrieve the required theme name each time the user visits a page.

Correct Answers: D

7.You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5. You create a custom Web user control named SharedControl. The control will be compiled as a library. You write the following code segment for the SharedControl control. (Line numbers are included for reference only.)

```
01 Protected Overloads Overrides Sub OnInit(ByVal e As EventArgs)
```

```
02     MyBase.OnInit(e)
```

```
03
```

```
04 End Sub
```

All the master pages in the ASP.NET application contain the following directive.

```
<%@ Master Language="VB" EnableViewState="false" %>
```

You need to ensure that the state of the SharedControl control can persist on the pages that reference a master page. Which code segment should you insert at line 03?

A: Page.RegisterRequiresPostBack(Me)

B: Page.RegisterRequiresControlState(Me)

C: Page.UnregisterRequiresControlState(Me)

D: Page.RegisterStartupScript("SharedControl", "server")

Correct Answers: B

8.You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5. You add a Web page named HomePage.aspx in the application. The Web page contains different controls. You add a newly created custom control named CachedControl to the Web page.

You need to ensure that the following requirements are met:

The custom control state remains static for one minute.

The custom control settings do not affect the cache settings of other elements in the Web page.

What should you do?

A: Add the following code fragment to the Web.config file of the solution. < caching >

```

<outputCacheSettings>                <outputCacheProfiles>                <add
name="CachedProfileSet"                varyByControl="CachedControl"        duration="60" />
</outputCacheProfiles> </outputCacheSettings></caching>

```

B: Add the following code fragment to the Web.config file of the solution. <caching>

```

<outputCacheSettings>                <outputCacheProfiles>                <add
name="CachedProfileSet"                varyByParam="CachedControl"        duration="60" />
</outputCacheProfiles> </outputCacheSettings></caching>

```

C: Add a class named ProfileCache that inherits from the ConfigurationSection class to the HomePage.aspx.cs page. Add the following to the Web.config file of the solution. <ProfileCache

```

profile="CachedProfileSet"                varyByControl="CachedControl"
duration="60"></ProfileCache><caching>                <outputCache
enableOutputCache="true"/></caching>

```

D: Add a class named ProfileCache that inherits from the ConfigurationSection class to the HomePage.aspx.cs page. Add the following code fragment to the Web.config file of the solution.

```

<ProfileCache                profile="CachedProfileSet"                varyByParam="CachedControl"
duration="60"></ProfileCache><caching>                <outputCache
enableOutputCache="true"/></caching>

```

Correct Answers: A

9. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5. You create a class that implements the IHttpHandler interface. You implement the ProcessRequest method by using the following code segment. (Line numbers are included for reference only.)

```

01 Public Sub ProcessRequest(ByVal ctx As HttpContext)
02
03 End Sub

```

You need to ensure that the image named Alert.jpg is displayed in the browser when the handler is requested. Which code segment should you insert at line 02?

A: Dim sr As New StreamReader(_
File.OpenRead(ctx.Server.MapPath("Alert.jpg")))ctx.Response.Pics(sr.ReadToEnd())sr.Close()

B: Dim sr As New StreamReader(_
File.OpenRead(ctx.Server.MapPath("Alert.jpg")))ctx.Response.Pics("image/jpg")ctx.Response.Tr
ansmitFile(sr.ReadToEnd())sr.Close()

C: ctx.Response.ContentType = "image/jpg"Dim fs As FileStream = File.OpenRead(_
ctx.Server.MapPath("Alert.jpg"))Dim b As IntegerWhile (b = fs.ReadByte()) <> -1
ctx.Response.OutputStream.WriteByte(CByte(b))End WhileFs.Close()

D: ctx.Response.TransmitFile("image/jpg")Dim fs As FileStream = File.OpenRead(_
ctx.Server.MapPath("Alert.jpg"))Dim b As IntegerWhile (b = fs.ReadByte()) <> -1
ctx.Response.OutputStream.WriteByte(CByte(b))End WhileFs.Close()

Correct Answers: C

10. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5. You create a Web page named Default.aspx in the root of the application. You add an ImageResources.resx resource file in the App_GlobalResources folder. The ImageResources.resx file contains a localized resource named LogoImageUrl. You need to retrieve the value of LogoImageUrl. Which code segment should you use?

- A: `Dim logoImageUrl As String = DirectCast(_ GetLocalResource("LogoImageUrl"), String)`
- B: `Dim logoImageUrl As String = DirectCast(_ GetGlobalResource("Default", "LogoImageUrl"), String)`
- C: `Dim logoImageUrl As String = DirectCast(_ GetGlobalResource("ImageResources", "LogoImageUrl"), String)`
- D: `Dim logoImageUrl As String = DirectCast(_ GetLocalResource("ImageResources.LogoImageUrl"), String)`

Correct Answers: C

11. You modify an existing Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5. You add a theme to the ASP.NET application. You need to apply the theme to override any settings of individual controls. What should you do?

- A: In the Web.config file of the application, set the Theme attribute of the pages element to the name of the theme.
- B: In the Web.config file of the application, set the StyleSheetTheme attribute of the pages element to the name of the theme.
- C: Add a master page to the application. In the @Master directive, set the Theme attribute to the name of the theme.
- D: Add a master page to the application. In the @Master directive, set the StyleSheetTheme attribute to the name of the theme.

Correct Answers: A

12. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5. You create a Web page named enterName.aspx. The Web page contains a TextBox control named txtName. The Web page cross posts to a page named displayName.aspx that contains a Label control named lblName. You need to ensure that the lblName Label control displays the text that was entered in the txtName TextBox control. Which code segment should you use?

- A: `lblName.Text = Request.QueryString("txtName")`
- B: `Dim txtName As TextBox = _ TryCast(FindControl("txtName"), TextBox)lblName.Text = txtName.Text`
- C: `Dim txtName As TextBox = _ TryCast(Parent.FindControl("txtName"), TextBox)lblName.Text = txtName.Text`
- D: `Dim txtName As TextBox = _ TryCast(PreviousPage.FindControl("txtName"), TextBox)lblName.Text = txtName.Text`

Correct Answers: D

13. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5.

You create a page that contains the following code fragment.

```
<asp:ListBox ID="lstLanguages"  
  AutoPostBack="true" runat="server" />
```

You write the following code segment in the code-behind file for the page.

```
Private Sub BindData(ByVal sender As Object, _  
  ByVal e As EventArgs)  
  lstLanguages.DataSource = _  
    CultureInfo.GetCultures(CultureTypes.AllCultures)  
  lstLanguages.DataTextField = "EnglishName"  
  lstLanguages.DataBind()  
End Sub
```

You need to ensure that the lstLanguages ListBox control maintains the selection of the user during postback. Which line of code should you insert in the constructor of the page?

- A: AddHandler Me.Init, AddressOf BindData
- B: AddHandler Me.PreRender, AddressOf BindData
- C: AddHandler lstLanguages.PreRender, AddressOf BindData
- D: AddHandler lstLanguages.SelectedIndexChanged, AddressOf BindData

Correct Answers: A

14. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5. The application must redirect the original URL to a different ASPX page. You need to ensure that the users cannot view the original URL after the page is executed. You also need to ensure that each page execution requires only one request from the client browser. What should you do?

- A: Use the Server.Transfer method to transfer execution to the correct ASPX page.
- B: Use the Response.Redirect method to transfer execution to the correct ASPX page.
- C: Use the HttpContext.Current.RewritePath method to transfer execution to the correct ASPX page.
- D: Add the Location: new URL value to the Response.Headers collection. Call the Response.End() statement. Send the header to the client computer to transfer execution to the correct ASPX page.

Correct Answers: C

15. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5. Your application has a user control named UserControl.ascx. You write the following code fragment to create a Web page named Default.aspx.

```

<%@ Page Language="VB" AutoEventWireup="true"
    CodeFile="Default.aspx.vb" Inherits="_Default" %>
<html>
...
<body>
    <form id="form1" runat="server">
        <div>
            <asp:Label ID="lblHeader" runat="server"></asp:Label>
            <asp:Label ID="lbFooter" runat="server"></asp:Label>
        </div>
    </form>
</body>
</html>

```

You need to dynamically add the UserControl.ascx control between the lblHeader and lblFooter Label controls. What should you do?

A: Write the following code segment in the Init event of the Default.aspx Web page. Dim ctrl As Control = LoadControl("UserCtrl.ascx")Me.Controls.AddAt(1, ctrl)

B: Write the following code segment in the Init event of the Default.aspx Web page. Dim ctrl As Control = LoadControl("UserCtrl.ascx")lblHeader.Controls.Add(ctrl)

C: Add a Literal control named Ltrl between the lblHeader and lblFooter label controls. Write the following code segment in the Init event of the Default.aspx Web page. Dim ctrl As Control = LoadControl("UserCtrl.ascx")

D: Add a Placeholder control named PIHldr between the lblHeader and lblFooter label controls. Write the following code segment in the Init event of the Default.aspx Web page. Dim ctrl As Control = LoadControl("UserCtrl.ascx")PIHldr.Controls.Add(ctrl)

Correct Answers: D

16. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5. The application has a Web form file named MovieReviews.aspx.

The MovieReviews.aspx file connects to a LinqDataSource DataSource named LinqDataSource1 that has a primary key named MovieID.

The application has a DetailsView control named DetailsView1.

The MovieReviews.aspx file contains the following code fragment. (Line numbers are included for reference only.)

```

01 <asp:DetailsView ID="DetailsView1" runat="server"
02 DataSourceID="LinqDataSource1"
03

```

```

04 />
05 <Fields>
06 <asp:BoundField DataField="MovieID" HeaderText="MovieID"
07     InsertVisible="False"
08     ReadOnly="True" SortExpression="MovieID" />
09 <asp:BoundField DataField="Title" HeaderText="Title"
10     SortExpression="Title" />
11 <asp:BoundField DataField="Theater" HeaderText="Theater"
12     SortExpression="Theater" />
13 <asp:CommandField ShowDeleteButton="false"
14 ShowEditButton="True" ShowInsertButton="True" />
15 </Fields>
16 </asp:DetailsView>

```

You need to ensure that the users can insert and update content in the DetailsView1 control. You also need to prevent duplication of the link button controls for the Edit and New operations. Which code segment should you insert at line 03?

- A: AllowPaging="false"AutoGenerateRows="false"
 - B: AllowPaging="true"AutoGenerateRows="false"DataKeyNames="MovieID"
 - C:
AllowPaging="true"AutoGenerateDeleteButton="false"AutoGenerateEditButton="true"AutoGenerateInsertButton="true"AutoGenerateRows="false"
 - D:
AllowPaging="false"AutoGenerateDeleteButton="false"AutoGenerateEditButton="true"AutoGenerateInsertButton="true"AutoGenerateRows="false"DataKeyNames="MovieID"
- Correct Answers: B

17. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5. You plan to submit text that contains HTML code to a page in the application. You need to ensure that the HTML code can be submitted successfully without affecting other applications that run on the Web server. What should you do?

- A: Add the following attribute to the @Page directive. EnableEventValidation="true"
 - B: Add the following attribute to the @Page directive. ValidateRequest="true"
 - C: Set the following value in the Web.config file. <system.web> <pages validateRequest="false"/></system.web>
 - D: Set the following value in the Machine.config file. <system.web> <pages validateRequest="false"/></system.web>
- Correct Answers: C

18. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5.

You create a Web page that contains the following two XML fragments. (Line numbers are included for reference only.)

```
01 <script runat="server">
02
03 </script>
04 <asp:ListView ID="ListView1" runat="server"
05   DataSourceID="SqlDataSource1"
06
07   >
08 <ItemTemplate>
09   <td>
10     <asp:Label ID="LineTotalLabel" runat="server"
11       Text='<%# Eval("LineTotal") %>' />
12   </td>
13 </ItemTemplate>
```

The SqlDataSource1 object retrieves the data from a Microsoft SQL Server 2005 database table. The database table has a column named LineTotal.

You need to ensure that when the size of the LineTotal column value is greater than seven characters, the column is displayed in red color. What should you do?

A: Insert the following code segment at line 06. OnItemDataBound="FmtClr" Insert the following code segment at line 02. Protected Sub FmtClr(ByVal sender As Object, _ ByVal e As ListViewItemEventArgs) Dim LineTotal As Label = _ DirectCast(e.Item.FindControl("LineTotalLabel"), Label) If LineTotal IsNot Nothing Then If LineTotal.Text.Length > 7 Then LineTotal.ForeColor = Color.Red Else LineTotal.ForeColor = Color.Black End If End IfEnd Sub

B: Insert the following code segment at line 06. OnItemDataBound="FmtClr" Insert the following code segment at line 02. Protected Sub FmtClr(ByVal sender As Object, _ ByVal e As ListViewItemEventArgs) Dim LineTotal As Label = _ DirectCast(e.Item.FindControl("LineTotal"), Label) If LineTotal.Text.Length > 7 Then LineTotal.ForeColor = Color.Red Else LineTotal.ForeColor = Color.Black End IfEnd Sub

C: Insert the following code segment at line 06. OnDataBinding="FmtClr" Insert the following code segment at line 02. Protected Sub FmtClr(ByVal sender As Object, _ ByVal e As EventArgs) Dim LineTotal As New Label() LineTotal.ID = "LineTotal" If LineTotal.Text.Length > 7 Then LineTotal.ForeColor = Color.Red Else LineTotal.ForeColor = Color.Black End IfEnd Sub

D: Insert the following code segment at line 06. OnDataBound="FmtClr" Insert the following code segment at line 02. Protected Sub FmtClr(ByVal sender As Object, _ ByVal e As EventArgs) Dim LineTotal As New Label() LineTotal.ID = "LineTotalLabel" If LineTotal.Text.Length > 7 Then LineTotal.ForeColor = Color.Red Else LineTotal.ForeColor = Color.Black End IfEnd Sub

Correct Answers: A

19. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5.

You write the following code fragment. (Line numbers are included for reference only.)

```
01 <asp:RequiredFieldValidator
02   ID="rfValidator1" runat="server"
03   Display="Dynamic" ControlToValidate="TextBox1"
04
05 >
06
07 </asp:RequiredFieldValidator>
08
09 <asp:ValidationSummary DisplayMode="List"
10   ID="ValidationSummary1" runat="server" />
```

You need to ensure that the error message displayed in the validation control is also displayed in the validation summary list. What should you do?

- A: Add the following code segment to line 06. Required text in TextBox1
 - B: Add the following code segment to line 04. Text="Required text in TextBox1"
 - C: Add the following code segment to line 04. ErrorMessage="Required text in TextBox1"
 - D: Add the following code segment to line 04. Text="Required text in TextBox1" ErrorMessage="ValidationSummary1"
- Correct Answers: C

20. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5. You create a composite custom control named MyControl. You need to add an instance of the OrderFormData control to the MyControl control. Which code segment should you use?

- A: Protected Overloads Overrides Sub _ CreateChildControls() Controls.Clear() Dim oFData As New OrderFormData("OrderForm") Controls.Add(oFData)End Sub
 - B: Protected Overloads Overrides Sub _ RenderContents(ByVal writer As HtmlTextWriter) Dim oFData As New OrderFormData("OrderForm") oFData.RenderControl(writer)End Sub
 - C: Protected Overloads Overrides Sub _ EnsureChildControls() Controls.Clear() Dim oFData As New OrderFormData("OrderForm") oFData.EnsureChildControls() If Not ChildControlsCreated Then CreateChildControls() End IfEnd Sub
 - D: Protected Overloads Overrides Function _ CreateControlCollection() As ControlCollection Dim controls As New ControlCollection(Me) Dim oFData As New OrderFormData("OrderForm") controls.Add(oFData) Return controlsEnd Function
- Correct Answers: A

21. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version

3.5.

To add a Calendar server control to a Web page, you write the following code fragment.

```
<asp:Calendar SelectionMode="DayWeek"
  ID="Calendar1" runat="server">
</asp:Calendar>
```

You need to disable the non-week days in the Calendar control. What should you do?

A: Add the following code segment to the Calendar1 DayRender event handler. If e.Day.IsWeekend Then e.Day.IsSelectable = FalseEnd If

B: Add the following code segment to the Calendar1 DayRender event handler. If e.Day.IsWeekend Then If Calendar1.SelectedDates.Contains(e.Day.Date) Then Calendar1.SelectedDates.Remove(e.Day.Date) End IfEnd If

C: Add the following code segment to the Calendar1 SelectionChanged event handler. Dim list As New List(Of DateTime)()For Each st As DateTime In TryCast(sender, Calendar).SelectedDates If st.DayOfWeek = DayOfWeek.Saturday OrElse _ st.DayOfWeek = DayOfWeek.Sunday Then list.Add(st) End IfNextFor Each dt As DateTime In list TryCast(sender, Calendar).SelectedDates.Remove(dt)Next

D: Add the following code segment to the Calendar1 DataBinding event handler. Dim list As New List(Of DateTime)()For Each st As DateTime In TryCast(sender, Calendar).SelectedDates If st.DayOfWeek = DayOfWeek.Saturday OrElse _ st.DayOfWeek = DayOfWeek.Sunday Then list.Add(st) End IfNextFor Each dt As DateTime In list TryCast(sender, Calendar).SelectedDates.Remove(dt)Next

Correct Answers: A

22. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5.

You create two user controls named UserCtrlA.ascx and UserCtrlB.ascx. The user controls postback to the server.

You create a new Web page that has the following ASPX code.

```
<asp:CheckBox ID="Chk" runat="server"
  oncheckedchanged="Chk_CheckedChanged" AutoPostBack="true" />
<asp:Placeholder ID="PIHolder" runat="server"></asp:Placeholder>
```

To dynamically create the user controls, you write the following code segment for the Web page.

```
Public Sub LoadControls()
  If ViewState("CtrlA") IsNot Nothing Then
    Dim c As Control
```

```

If CBool(ViewState("CtrlA")) = True Then
    c = LoadControl("UserCtrlA.ascx")
Else
    c = LoadControl("UserCtrlB.ascx")
End If
c.ID = "Ctrl"
PIHolder.Controls.Add(c)
End If
End Sub
Protected Sub Chk_CheckedChanged(ByVal sender As Object, _
    ByVal e As EventArgs)
    ViewState("CtrlA") = Chk.Checked
    PIHolder.Controls.Clear()
    LoadControls()
End Sub

```

You need to ensure that the user control that is displayed meets the following requirements:

- It is recreated during postback.
- It retains its state.

Which method should you add to the Web page?

- A: Protected Overloads Overrides Function _ SaveViewState() As Object LoadControls()
Return MyBase.SaveViewState()End Function
- B: Protected Overloads Overrides _ Sub Render(ByVal writer As HtmlTextWriter)
LoadControls() MyBase.Render(writer)End Sub
- C: Protected Overloads Overrides Sub _ OnLoadComplete(ByVal e As EventArgs)
MyBase.OnLoadComplete(e) LoadControls()End Sub
- D: Protected Overloads Overrides Sub _ LoadViewState(ByVal savedState As Object)
MyBase.LoadViewState(savedState) LoadControls()End Sub

Correct Answers: D

23. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5.

You create a custom control named OrderForm.

You write the following code segment.

```

Public Delegate Sub _
    CheckOrderFormEventHandler(ByVal e As EventArgs)
Private Shared ReadOnly CheckOrderFormKey As New Object()
public event CheckOrderFormEventHandler

```

```

Public Custom Event CheckOrderForm As CheckOrderFormEventHandler
    AddHandler(ByVal value As CheckOrderFormEventHandler)
        Events.[AddHandler](CheckOrderFormKey, value)
    End AddHandler
    RemoveHandler(ByVal value As CheckOrderFormEventHandler)
        Events.[RemoveHandler](CheckOrderFormKey, value)
    End RemoveHandler
    RaiseEvent(ByVal e As EventArgs)
    End RaiseEvent
End Event

```

You need to provide a method that enables the OrderForm control to raise the CheckOrderForm event. Which code segment should you use?

```

A: Protected Overridable Sub _ OnCheckOrderForm(ByVal e As EventArgs) Dim
checkOrderForm As CheckOrderFormEventHandler = _
DirectCast(Events(GetType(CheckOrderFormEventHandler)),
CheckOrderFormEventHandler) RaiseEvent CheckOrderForm(e)End Sub

```

```

B: Protected Overridable Sub _ OnCheckOrderForm(ByVal e As EventArgs) Dim
checkOrderForm As CheckOrderFormEventHandler = _ TryCast(Events(CheckOrderFormKey),
_ CheckOrderFormEventHandler) RaiseEvent CheckOrderForm(e)End Sub

```

```

C: Private checkOrderForm As New _ CheckOrderFormEventHandler(AddressOf _
checkOrderFormCallBack)Protected Overridable Sub _ OnCheckOrderForm(ByVal e As
EventArgs) If checkOrderForm IsNot Nothing Then checkOrderForm(e) End IfEnd Sub

```

```

D: Private checkOrderForm As New _ CheckOrderFormEventHandler(AddressOf _
checkOrderFormCallBack)Protected Overridable Sub _ OnCheckOrderForm(ByVal e As
EventArgs) If checkOrderForm IsNot Nothing Then RaiseBubbleEvent(checkOrderForm, e)
End IfEnd Sub

```

Correct Answers: B

24. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5. You write the following code fragment.

```

<asp:ListBox SelectionMode="Multiple"
    ID="ListBox1" runat="server">
</asp:ListBox>
<asp:ListBox ID="ListBox2" runat="server">
</asp:ListBox>

<asp:Button ID="Button1" runat="server"
    Text="Button" onclick="Button1_Click" />

```

You need to ensure that when you click the Button1 control, a selected list of items move from the ListBox1 control to the ListBox2 control. Which code segment should you use?

A: For Each li As ListItem In ListBox1.Items If li.Selected Then ListBox2.Items.Add(li)
ListBox1.Items.Remove(li) End IfNext

B: For Each li As ListItem In ListBox1.Items If li.Selected Then li.Selected = False
ListBox2.Items.Add(li) ListBox1.Items.Remove(li) End IfNext

C: For Each li As ListItem In ListBox1.Items If li.Selected Then li.Selected = False
ListBox2.Items.Add(li) End IfNextFor Each li As ListItem In ListBox2.Items If
ListBox1.Items.Contains(li) Then ListBox1.Items.Remove(li) End IfNext

D: For Each li As ListItem In ListBox1.Items If li.Selected Then li.Selected = False
ListBox2.Items.Add(li) End IfNextFor Each li As ListItem In ListBox1.Items If
ListBox2.Items.Contains(li) Then ListBox1.Items.Remove(li) End IfNext

Correct Answers: C

25. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5. The application has a mobile Web form that contains the following ObjectList control.

```
<mobile:ObjectList ID="ObjectListCtrl" OnItemCommand="ObjectListCtrl_ItemCommand"  
Runat="server">  
  <Command Name="CmdDisplayDetails" Text="Details" />  
  <Command Name="CmdRemove" Text="Remove" />  
</mobile:ObjectList>
```

You create an event handler named ObjectListCtrl_ItemCommand.

You need to ensure that the ObjectListCtrl_ItemCommand handler detects the selection of the CmdDisplayDetails item.

Which code segment should you write?

A: Public Sub ObjectListCtrl_ItemCommand(_ ByVal sender As Object, ByVal e As
ObjectListCommandEventArgs) If e.CommandName = "CmdDisplayDetails" Then End IfEnd
Sub

B: Public Sub ObjectListCtrl_ItemCommand(_ ByVal sender As Object, ByVal e As
ObjectListCommandEventArgs) If e.CommandArgument.ToString() = "CmdDisplayDetails"
Then End IfEnd Sub

C: Public Sub ObjectListCtrl_ItemCommand(_ ByVal sender As Object, ByVal e As
ObjectListCommandEventArgs) Dim cmd As ObjectListCommand = TryCast(sender,
ObjectListCommand) If cmd.Name = "CmdDisplayDetails" Then End IfEnd Sub

D: Public Sub ObjectListCtrl_ItemCommand(_ ByVal sender As Object, ByVal e As
ObjectListCommandEventArgs) Dim cmd As ObjectListCommand = TryCast(_
e.CommandSource, ObjectListCommand) If cmd.Name = "CmdDisplayDetails" Then End
IfEnd Sub

Correct Answers: A

26. You create a Microsoft ASP.NET Web application by using the Microsoft .NET Framework version 3.5. The application contains the following device filter element in the Web.config file.

```
<filter name="isHtml" compare="PreferredRenderingType"
  argument="html32" />
```

The application contains a Web page that has the following image control. (Line numbers are included for reference only.)

```
01 <mobile:Image ID="imgCtrl" Runat="server">
02
03 </mobile:Image>
```

You need to ensure that the following conditions are met:

The imgCtrl Image control displays the highRes.jpg file if the Web browser supports html.

The imgCtrl Image control displays lowRes.gif if the Web browser does not support html.

Which DeviceSpecific element should you insert at line 02?

A: <DeviceSpecific> <Choice Filter="isHtml" ImageUrl="highRes.jpg" /> <Choice ImageUrl="lowRes.gif" /></DeviceSpecific>

B: <DeviceSpecific> <Choice Filter="isHtml" Argument="false" ImageUrl="highRes.jpg" /> <Choice Filter="isHtml" Argument="true" ImageUrl="lowRes.gif" /></DeviceSpecific>

C: <DeviceSpecific> <Choice Filter="PreferredRenderingType" ImageUrl="highRes.jpg" /> <Choice ImageUrl="lowRes.gif" /></DeviceSpecific>

D: <DeviceSpecific> <Choice Filter="PreferredRenderingType" Argument="false" ImageUrl="highRes.jpg" /> <Choice Filter="PreferredRenderingType" Argument="true" ImageUrl="lowRes.gif" /></DeviceSpecific>

Correct Answers: A

27. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5. The application contains two Web pages named OrderDetails.aspx and OrderError.htm. If the application throws unhandled errors in the OrderDetails.aspx Web page, a stack trace is displayed to remote users. You need to ensure that the OrderError.htm Web page is displayed for unhandled errors only in the OrderDetails.aspx Web page. What should you do?

A: Set the Page attribute for the OrderDetails.aspx Web page in the following manner. <%@ Page Language="VB" AutoEventWireup="true" CodeFile="OrderDetails.aspx.vb" Inherits="OrderDetails" %> Add the following section to the Web.config file. <customErrors mode="Off" defaultRedirect="OrderError.htm"></customErrors>

B: Set the Page attribute for the OrderDetails.aspx Web page in the following manner. <%@ Page Language="VB" AutoEventWireup="true" CodeFile="OrderDetails.aspx.vb" Inherits="OrderDetails" Debug="true" %> Add the following section to the Web.config file.

```
<customErrors mode="On" defaultRedirect="OrderError.htm">
```

C: Set the Page attribute for the OrderDetails.aspx Web page in the following manner. <%@ Page Language="VB" AutoEventWireup="true" CodeFile="OrderDetails.aspx.vb" Inherits="OrderDetails" ErrorPage="~/OrderError.htm" Debug="false" %> Add the following section to the Web.config file. <customErrors mode="On"></customErrors>

D: Set the Page attribute for the OrderDetails.aspx Web page in the following manner. <%@ Page Language="VB" AutoEventWireup="true" CodeFile="OrderDetails.aspx.vb" Inherits="OrderDetails" Debug="true" ErrorPage="~/OrderError.htm" %> Add the following section to the Web.config file. <customErrors mode="Off"></customErrors>

Correct Answers: C

28. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5.

You add the following code fragment to the Web.config file of the application (Line numbers are included for reference only).

```
01 <healthMonitoring>
02   <providers>
03     <add name="EventLogProvider"
04       type="System.Web.Management.EventLogWebEventProvider
05     />
06     <add name="WmiWebEventProvider"
07       type="System.Web.Management.WmiWebEventProvider
08     />
09   </providers>
10   <eventMappings>
11
12   </eventMappings>
13   <rules>
14     <add name="Security Rule" eventName="Security Event"
15       provider="WmiWebEventProvider" />
16     <add name="AppError Rule" eventName="AppError Event"
17       provider="EventLogProvider" />
18   </rules>
19 </healthMonitoring>
```

You need to configure Web Events to meet the following requirements:

Security-related Web Events are mapped to Microsoft Windows Management Instrumentation (WMI) events.

Web Events caused by problems with configuration or application code are logged into the Windows Application Event Log.

Which code fragment should you insert at line 11?

A: `<add name="Security Event" type="System.Web.Management.WebAuditEvent"/><add name="AppError Event" type="System.Web.Management.WebRequestErrorEvent"/>`

B: `<add name="Security Event" type="System.Web.Management.WebAuditEvent"/><add name="AppError Event" type="System.Web.Management.WebErrorEvent"/>`

C: `<add name="Security Event" type="System.Web.Management.WebApplicationLifetimeEvent"/><add name="AppError Event" type="System.Web.Management.WebRequestErrorEvent"/>`

D: `<add name="Security Event" type="System.Web.Management.WebApplicationLifetimeEvent"/><add name="AppError Event" type="System.Web.Management.WebErrorEvent"/>`

Correct Answers: B

29. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5. You plan to monitor the execution of the application at daily intervals. You need to modify the application configuration to enable WebEvent monitoring. What should you do?

A: Enable the Debugging in the Web site option in the ASP.NET configuration settings. Modify the Request Execution timeout to 10 seconds.

B: Register the aspnet_perf.dll performance counter library by using the following command.
`regsvr32 C:\WINDOWS\Microsoft.NET\Framework\v2.0.50727\aspnet_perf.dll`

C: Add the following code fragment to the `<healthMonitoring>` section of the Web.config file of the application. `<profiles> <add name="Default" minInstances="1" maxLimit="Infinite" minInterval="00:00:10" custom="" /></profiles>`

D: Add the following code fragment to the `<system.web>` section of the Web.config file of the application. `<healthMonitoring enabled="true" heartbeatInterval="10"> <rules> <add name="Heartbeats Default" eventName="Heartbeat" provider="EventLogProvider" profile="Critical"/> </rules></healthMonitoring>`

Correct Answers: D

30. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5. The application has an ASPX page named ErrorPage.aspx.

You plan to manage the unhandled application exceptions.

You need to perform the following tasks:

Display the ErrorPage.aspx page.

Write the exception information in the Event log file.

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

A: Add the following code fragment to the Web.config file. `<customErrors mode="On" defaultRedirect="ErrorPage.aspx" />`

B: Add the following code fragment to the Web.config file. `<customErrors mode="Off" defaultRedirect="ErrorPage.aspx" />`

C: Add the following code segment to the Global.asax file. `Public Sub Application_Error(ByVal sender As Object, _ ByVal e As EventArgs) Dim exc As Exception = Server.GetLastError() 'Write Exception details to event log End Sub`

D: Add the following code segment to the ErrorPage.aspx file. `Public Sub Page_Error(ByVal sender As Object, _ ByVal e As EventArgs) Dim exc As Exception = Server.GetLastError() 'Write Exception details to event log Server.ClearError()End Sub`

Correct Answers: A, C

31. You create a Microsoft ASP.NET AJAX application by using the Microsoft .NET Framework version 3.5. A JavaScript code segment in the AJAX application does not exhibit the desired behavior. Microsoft Internet Explorer displays an error icon in the status bar but does not prompt you to debug the script. You need to configure the Internet Explorer to prompt you to debug the script. Which two actions should you perform? (Each correct answer presents part of the solution. Choose two.)

A: Clear the Disable Script Debugging (Other) check box.

B: Clear the Disable Script Debugging (Internet Explorer) check box.

C: Select the Show friendly HTTP error messages check box.

D: Select the Enable third-party browser extensions check box.

E: Select the Display a notification about every script error check box.

Correct Answers: B, E

32. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5. You plan to capture the timing and performance information of the application. You need to ensure that the information is accessible only when the user is logged on to the Web server and not on individual Web pages. What should you add to the Web.config file?

A: `<compilation debug="true" />`

B: `<compilation debug="false" urlLinePragmas="true" />`

C: `<trace enabled="true" pageOutput="false" localOnly="true" />`

D: `<trace enabled="true" writeToDiagnosticsTrace="true" pageOutput="true" localOnly="true" />`

Correct Answers: C

33. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5. You host the application on a server named ContosoTest that runs Microsoft IIS 6.0. You set up remote debugging on the ContosoTest server. You need to debug the application remotely from another computer named ContosoDev. What should you do?

A: Attach Microsoft Visual Studio.NET to the w3wp.exe process.

B: Attach Microsoft Visual Studio.NET to the inetinfo.exe process.

C: Attach Microsoft Visual Studio.NET to the Msvsmon.exe process.

D: Attach Microsoft Visual Studio.NET to the WebDev.WebServer.exe process.

Correct Answers: A

34. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version

3.5. When you access the application in a Web browser, you receive the following error message: "Service Unavailable". You need to access the application successfully. What should you do?

A: Start Microsoft IIS 6.0.

B: Start the Application pool.

C: Set the .NET Framework version.

D: Add the Web.config file for the application.

Correct Answers: B

35. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5.

You create a file named movies.xml that contains the following code fragment.

```
<Movies>
  <Movie ID="1" Name="Movie1" Year="2006">
    <Desc Value="Movie desc"/>
  </Movie>
  <Movie ID="2" Name="Movie2" Year="2007">
    <Desc Value="Movie desc"/>
  </Movie>
  <Movie ID="3" Name="Movie3" Year="2008">
    <Desc Value="Movie desc"/>
  </Movie>
</Movies>
```

You add a Web form to the application.

You write the following code segment in the Web form. (Line numbers are included for reference only.)

```
01 <form runat="server">
02   <asp:xmldatasource
03     id="XmlDataSource1"
04     runat="server"
05     datafile="movies.xml" />
06
07 </form>
```

You need to implement the XmlDataSource control to display the XML data in a TreeView control. Which code segment should you insert at line 06?

A: `<asp:TreeView ID="TreeView1" runat="server" DataSourceID="XmlDataSource1">
<DataBindings> <asp:TreeNodeBinding DataMember="Movie" Text="Name" />
</DataBindings></asp:TreeView>`

B: `<asp:TreeView ID="TreeView1" runat="server" DataSourceID="XmlDataSource1">
<DataBindings> <asp:TreeNodeBinding DataMember="Movies" Text="Desc" />
</DataBindings></asp:TreeView>`

C: `<asp:TreeView ID="TreeView1" runat="server" DataSourceID="MovDataSource1">
<DataBindings> <asp:TreeNodeBinding DataMember="Movie" Text="Name" />
</DataBindings></asp:TreeView>`

D: `<asp:TreeView ID="TreeView1" runat="server" DataSourceID="MovDataSource1">
<DataBindings> <asp:TreeNodeBinding DataMember="Movies" Text="Desc" />
</DataBindings></asp:TreeView>`

Correct Answers: A

36. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5.

You create a Web form that contains the following code fragment.

```
<asp:TextBox runat="server" ID="txtSearch" />  
  <asp:Button runat="server" ID="btnSearch" Text="Search"  
    OnClick="btnSearch_Click" />  
<asp:GridView runat="server" ID="gridCities" />
```

You write the following code segment in the code-behind file. (Line numbers are included for reference only.)

```
01 Protected Sub Page_Load(ByVal sender As Object, _  
02   ByVal e As EventArgs)  
03   Dim objDS As New DataSet()  
04   Dim objDA As New SqlDataAdapter(objCmd)  
05   objDA.Fill(objDS)  
06   gridCities.DataSource = objDS  
07   gridCities.DataBind()  
08   Session("ds") = objDS  
09 End Sub  
10 Protected Sub btnSearch_Click(ByVal sender As Object, _  
11   ByVal e As EventArgs)  
12  
13 End Sub
```

You need to ensure that when the btnSearch Button control is clicked, the records in the gridCities GridView control are filtered by using the value of the txtSearch TextBox.

Which code segment you should insert at line 12?

A: Dim ds As DataSet = TryCast(gridCities.DataSource, DataSet)Dim dv As DataView = ds.Tables(0).DefaultViewdv.RowFilter = "CityName LIKE '" + txtSearch.Text + "%'"gridCities.DataSource = dvgridCities.DataBind()

B: Dim ds As DataSet = TryCast(Session("ds"), DataSet)Dim dv As DataView = ds.Tables(0).DefaultViewdv.RowFilter = "CityName LIKE '" + txtSearch.Text + "%'"gridCities.DataSource = dvgridCities.DataBind()

C: Dim dt As DataTable = TryCast(Session("ds"), DataTable)Dim dv As DataView = dt.DefaultViewdv.RowFilter = "CityName LIKE '" + txtSearch.Text + "%'"gridCities.DataSource = dvgridCities.DataBind()

D: Dim ds As DataSet = TryCast(Session("ds"), DataSet)Dim dt As DataTable = ds.Tables(0)Dim rows As DataRow() = _ dt.[Select]("CityName LIKE '" + txtSearch.Text + "%'"gridCities.DataSource = rowsgridCities.DataBind()

Correct Answers: B

37. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5.

You create a Web page to display photos and captions. The caption of each photo in the database can be modified by using the application.

You write the following code fragment.

```
<asp:FormView DataSourceID="ObjectDataSource1"
  DataKeyNames="PhotoID" runat="server">
  <EditItemTemplate>
    <asp:TextBox Text='<%=# Bind("Caption") %>' runat="server"/>
    <asp:Button Text="Update" CommandName="Update"
      runat="server"/>
    <asp:Button Text="Cancel" CommandName="Cancel"
      runat="server"/>
  </EditItemTemplate>
  <ItemTemplate>
    <asp:Label Text='<%=# Eval("Caption") %>' runat="server" />
    <asp:Button Text="Edit" CommandName="Edit" runat="server"/>
  </ItemTemplate>
</asp:FormView>
```

When you access the Web page, the application throws an error.

You need to ensure that the application successfully updates each caption and stores it in the database.

What should you do?

A: Add the ID attribute to the Label control.

B: Add the ID attribute to the TextBox control.

C: Use the Bind function for the Label control instead of the Eval function.

D: Use the Eval function for the TextBox control instead of the Bind function.

Correct Answers: B

38. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5.

You create a Microsoft Windows Communication Foundation (WCF) service that exposes the following service contract. (Line numbers are included for reference only.)

```
01 <ServiceContract(> _  
02 Public Interface IBlogService  
03     <OperationContract(> _  
04     <WebGet(ResponseFormat := WebMessageFormat.Xml)> _  
05     Function GetBlog() As Rss20FeedFormatter  
06 End Interface
```

You configure the WCF service to use the WebHttpBinding class and to be exposed at the following URL:

<http://www.contoso.com/BlogService>

You need to store the result of the GetBlog operation in an XmlDocument variable named xmlBlog in a Web form. Which code segment should you use?

A: Dim url As String = "http: //www.contoso.com/BlogService/GetBlog"Dim blogReader As XmlReader = XmlReader.Create(url)xmlBlog.Load(blogReader)

B: Dim url As String = "http: //www.contoso.com/BlogService"Dim blogReader As XmlReader = XmlReader.Create(url)xmlBlog.Load(blogReader)

C: Dim binding As New BasicHttpBinding()Dim blogUri As New _ EndpointAddress("http: //www.contoso.com/BlogService")Dim blogFactory As New _ ChannelFactory(Of IBlogService)(binding, blogUri)Dim blogSrv As IBlogService = blogFactory.CreateChannel()Dim feed As Rss20FeedFormatter = blogSrv.GetBlog()xmlBlog.LoadXml(feed.ToString())

D: Dim binding As New BasicHttpBinding()Dim blogUri As New _ EndpointAddress("http: //www.contoso.com/BlogService/GetBlog")Dim blogFactory As New _ ChannelFactory(Of IBlogService)(binding, blogUri)Dim blogSrv As IBlogService = blogFactory.CreateChannel()Dim feed As Rss20FeedFormatter = blogSrv.GetBlog()xmlBlog.LoadXml(feed.Feed.ToString())

Correct Answers: A

39. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5.

The application contains a DataSourceControl named CategoriesDataSource that is bound to a Microsoft SQL Server 2005 table. The CategoryName column is the primary key of the table.

You write the following code fragment in a FormView control. (Line numbers are included for reference only.)

```
01 <tr>
02   <td align="right"><b>Category:</b></td>
03     <td><asp:DropDownList ID="InsertCategoryDropDownList"
04
05       DataSourceID="CategoriesDataSource"
06       DataTextField="CategoryName"
07       DataValueField="CategoryID"
08       RunAt="Server" />
09   </td>
10 </tr>
```

You need to ensure that the changes made to the CategoryID field can be written to the database. Which code fragment should you insert at line 04?

- A: SelectedValue=<%# Eval("CategoryID") %>'
- B: SelectedValue=<%# Bind("CategoryID") %>'
- C: SelectedValue=<%# Eval("CategoryName") %>'
- D: SelectedValue=<%# Bind("CategoryName") %>'

Correct Answers: B

40. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5.

You create a class that contains the following code segment. (Line numbers are included for reference only.)

```
01 Public Function GetCachedProducts( _      ByVal conn As SqlConnection) As Object
02
03   If Cache("products") Is Nothing Then
04     Dim cmd As New SqlCommand("SELECT * FROM Products", conn)
05     conn.Open()
06     Cache.Insert("products", GetData(cmd))
07     conn.Close()
```

```

08 End If
09 Return Cache("products")
10 End Function11
12 Public Function GetData(ByVal prodCmd As SqlCommand) As Object
13
14 End Function

```

Each time a Web form has to access a list of products, the GetCachedProducts method is called to provide this list from the Cache object.

You need to ensure that the list of products is always available in the Cache object.

Which code segment should you insert at line 13?

- A: Return prodCmd.ExecuteReader()
 - B: Dim dr As SqlDataReaderprodCmd.CommandTimeout = Integer.MaxValue dr = prodCmd.ExecuteReader()Return dr
 - C: Dim da As New SqlDataAdapter(da.SelectCommand = prodCmdDim ds As New DataSet()Return ds.Tables(0)
 - D: Dim da As New SqlDataAdapter(prodCmd)Dim ds As New DataSet()da.Fill(ds)Return ds
- Correct Answers: D

41. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5. The application consumes a Microsoft Windows Communication Foundation (WCF) service.

The WCF service exposes the following method.

```

<WebInvoke(> _
Function UpdateCustomerDetails(ByVal custID As String) As String

```

The application hosts the WCF service by using the following code segment.

```

Dim host As New WebServiceHost(GetType(CService), _
    New Uri("http://win/"))
Dim ep As ServiceEndpoint = host.AddServiceEndpoint( _
    GetType(ICService), New WebHttpBinding(), "")

```

You need to invoke the UpdateCustomerDetails method.

Which code segment should you use?

```

A: dim wcf As New WebChannelFactory(Of ICService)( _ New Uri("http: //win/"))Dim channel
As ICService = wcf.CreateChannel()Dim s As String =
channel.UpdateCustomerDetails("CustID12")

```

```
B: dim wcf As New WebChannelFactory(Of ICSERVICE)( _ New Uri("http://win/UpdateCustomerDetails"))Dim channel As ICSERVICE = wcf.CreateChannel()Dim s As String = channel.UpdateCustomerDetails("CustID12")
```

```
C: Dim cf As New ChannelFactory(Of ICSERVICE)( _ New WebHttpBinding(), "http://win/UpdateCustomerDetails")Dim channel As ICSERVICE = cf.CreateChannel()Dim s As String = channel.UpdateCustomerDetails("CustID12")
```

```
D: Dim cf As New ChannelFactory(Of ICSERVICE)( _ New BasicHttpBinding(), "http://win")cf.Endpoint.Behaviors.Add(New WebHttpBehavior())Dim channel As ICSERVICE = cf.CreateChannel()Dim s As String = channel.UpdateCustomerDetails("CustID12")
```

Correct Answers: A

42. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5.

You define the following class.

```
Public Class Product
    Public Property Price() As Decimal
        Get
        End Get
        Set(ByVal value As Decimal)
        End Set
    End Property
End Class
```

Your application contains a Web form with a Label control named lblPrice.

You use a StringReader variable named xmlStream to access the following XML fragment.

```
<Product>
  <Price>35</Price>
</Product>
```

You need to display the price of the product from the XML fragment in the lblPrice Label control. Which code segment should you use?

```
A: Dim dt As New DataTable()dt.ExtendedProperties.Add("Type", "Product")dt.ReadXml(xmlStream)lblPrice.Text = dt.Rows(0)("Price").ToString()
```

```
B: Dim xr As XmlReader = XmlReader.Create(xmlStream)Dim boughtProduct As Product = TryCast( _ xr.ReadContentAs(GetType(Product), Nothing), Product)lblPrice.Text = boughtProduct.Price.ToString()
```

```
C: Dim xs As New XmlSerializer(GetType(Product))Dim boughtProduct As Product = TryCast( _ xs.Deserialize(xmlStream), Product)lblPrice.Text = boughtProduct.Price.ToString()
```

```
D: Dim xDoc As New XmlDocument()xDoc.Load(xmlStream)Dim boughtProduct As Product = xDoc.OfType(Of Product)().First()lblPrice.Text = boughtProduct.Price.ToString()
```

Correct Answers: C

43. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5.

You plan to add a custom parameter in the SqlDataSource control.

You write the following code fragment.

```
<asp:SqlDataSource ID="SqlDataSource1" runat="server"
  InsertCommand="INSERT INTO [Employee] ([Field1], [Field2],
  [PostedDate]) VALUES (@Field1, @Field2, @PostedDate)">
  <InsertParameters>
    <asp:Parameter Name="Field1" />
    <asp:Parameter Name="Field2" />
    <custom:DayParameter Name="PostedDate" />
  </InsertParameters>
</asp:SqlDataSource>
```

You write the following code segment to create a custom parameter class.

```
Public Class DayParameter
  Inherits Parameter
End Class
```

You need to ensure that the custom parameter returns the current date and time. Which code segment should you add to the DayParameter class?

- A: Protected Sub New() MyBase.New("Value", TypeCode.DateTime, DateTime.Now.ToString())End Sub
- B: Protected Overloads Overrides Sub _ LoadViewState(ByVal savedState As Object) DirectCast(savedState, _ StateBag).Add("Value", DateTime.Now)End Sub
- C: Protected Overloads Overrides Function _ Evaluate(ByVal context As HttpContext, _ ByVal control As Control) As Object Return DateTime.NowEnd Function
- D: Protected Overloads Overrides Function _ Clone() As Parameter Dim pm As Parameter = New DayParameter() pm.DefaultValue = DateTime.Now Return pmEnd Function

Correct Answers: C

44. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5.

You create a login Web form by using the following code fragment.

```
<asp:ScriptManager ID="ScriptManager1" runat="server" />
```

```
<asp:TextBox runat="server" ID="txtUser" Width="200px" />
<asp:TextBox runat="server" ID="txtPassword" Width="200px" />
<asp:Button runat="server" ID="btnLogin" Text="Login"
  OnClientClick="login(); return false;" />
```

When a user clicks the btnLogin Button control, the login() client-side script is called to authenticate the user. The credentials provided in the TextBox controls are used to call the client-side script.

You also add the following client-script code fragment in the Web form. (Line numbers are included for reference only.)

```
01 <script type="text/javascript">
02   function login() {
03     var username = $get('txtUser').value;
04     var password = $get('txtPassword').value;
05
06     // authentication logic.
07   }
08   function onLoginCompleted(validCredentials, userContext,
09     methodName)
10   {
11     // notify user on authentication result.
12   }
13
14   function onLoginFailed(error, userContext, methodName)
15   {
16     // notify user on authentication exception.
17   }
18 </script>
```

The ASP.NET application is configured to use Forms Authentication. The ASP.NET AJAX authentication service is activated in the Web.config file.

You need to ensure that the following workflow is maintained:

On successful authentication, the onLoginCompleted client-script function is called to notify the user.

On failure of authentication, the onLoginFailed client-script function is called to display an error message.

Which code segment should you insert at line 06?

A: var auth = Sys.Services.AuthenticationService; auth.login(username, password, false, null,

```
null,onLoginCompleted, onLoginFailed, null);
```

```
B: var auth = Sys.Services.AuthenticationService;  
auth.set_defaultFailedCallback(onLoginFailed);var validCredentials = auth.login(username,  
password, false, null, null, null, null, null);if (validCredentials)onLoginCompleted(true, null,  
null);elseonLoginCompleted(false, null, null);
```

```
C: var auth = Sys.Services.AuthenticationService;  
auth.set_defaultLoginCompletedCallback(onLoginCompleted  
);try { auth.login(username, password, false, null, null, null, null, null); }catch (err)  
{ onLoginFailed(err, null, null);}
```

```
D: var auth = Sys.Services.AuthenticationService;try { var validCredentials =  
auth.login(username, password, false, null, null, null, null, null); if (validCredentials)  
onLoginCompleted(true, null, null); else onLoginCompleted(false, null, null);}catch (err)  
{ onLoginFailed(err, null, null);}
```

Correct Answers: B

45. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5.

You create a Web form by using ASP.NET AJAX.

The Web form contains the following code fragment. (Line numbers are included for reference only.)

```
01 <script type="text/javascript">  
02  
03 Sys.Application.add_init(initComponents);  
04  
05 function initComponents() {  
06  
07 }  
08  
09 </script>  
10  
11 <asp:ScriptManager ID="ScriptManager1"  
12 runat="server" />  
13 <asp:TextBox runat="server" ID="TextBox1" />
```

You need to create and initialize a client behavior named MyCustomBehavior by using the initComponents function. You also need to ensure that MyCustomBehavior is attached to the TextBox1 Textbox control.

Which code segment should you insert at line 06?

A: \$create(MyCustomBehavior, null, null, null, 'TextBox1');

B: \$create(MyCustomBehavior, null, null, null, \$get("TextBox1"));
C: Sys.Component.create(MyCustomBehavior, 'TextBox1', null, null, null);
D: Sys.Component.create(MyCustomBehavior, \$get("TextBox1"), null, null, null);
Correct Answers: D

46. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5.

You create an AJAX-enabled Web form by using the following code fragment.

```
<asp:ScriptManager ID="scrMgr" runat="server" />
<asp:UpdatePanel runat="server" ID="updFirstPanel"
  UpdateMode="Conditional">
  <ContentTemplate>
    <asp:TextBox runat="server" ID="txtInfo" />
    <asp:Button runat="server" ID="btnSubmit"
      Text="Submit" />
  </ContentTemplate>
</asp:UpdatePanel>
<asp:UpdatePanel runat="server" ID="updSecondPanel"
  UpdateMode="Conditional">
  <ContentTemplate>
    ...
  </ContentTemplate>
</asp:UpdatePanel>
```

When the updFirstPanel UpdatePanel control is updated, a dynamic client script is registered.

You write the following code segment in the code-behind file of the Web form. (Line numbers are included for reference only.)

```
01 Protected Sub Page_Load(ByVal sender As Object, _
    ByVal e As EventArgs)
02   If Not IsPostBack Then
03     Dim generatedScript As String = _
        ScriptGenerator.GenerateScript()
04
05   End If
06 End Sub
```

You need to ensure that the client-script code is registered only when an asynchronous postback is issued on the updFirstPanel UpdatePanel control.

Which code segment should you insert at line 04?

- A: ClientScript.RegisterClientScriptBlock(GetType(TextBox), _ "txtInfo_Script", generatedScript)
B: ScriptManager.RegisterClientScriptBlock(Me, _ GetType(Page), "txtInfo_Script", generatedScript, False)
C: ClientScript.RegisterClientScriptBlock(GetType(Page), _ "txtInfo_Script", generatedScript)
D: ScriptManager.RegisterClientScriptBlock(txtInfo, _ GetType(TextBox), "txtInfo_Script", generatedScript, False)
Correct Answers: D

47. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5.

You write the following code segment to create a JavaScript file named CalculatorScript.js.

```
function divide(a, b) {  
    if (b == 0) {  
        var errorMsg = Messages.DivideByZero;  
        alert(errorMsg);  
        return null;  
    }  
    return a/b;  
}
```

You embed the CalculatorScript.js file as a resource in a Class Library project. The namespace for this project is Calculator.Resources. The JavaScript function retrieves messages from a resource file named MessageResources.resx by using the JavaScript Messages object.

You add an AJAX Web form in the ASP.NET application. You reference the Class Library in the application. You add an ASP.NET AJAX ScriptReference element to the AJAX Web form.

You need to ensure that the JavaScript function can access the error messages that are defined in the resource file.

Which code segment should you add in the AssemblyInfo.vb file?

- A: <assembly: ScriptResource ("CalculatorScript", "MessageResources", "Messages")>
B: <assembly: ScriptResource ("CalculatorScript.js", "MessageResources.resx", "Messages")>
C: <assembly: ScriptResource ("Calculator.Resources.CalculatorScript.js", "Calculator.Resources.MessageResources", "Messages")>
D: <assembly: ScriptResource ("Calculator.Resources.CalculatorScript", "Calculator.Resources.MessageResources.resx", "Messages")>
Correct Answers: C

48. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version

3.5.

You write the following code fragment. (Line numbers are included for reference only.)

```
01 <asp:UpdatePanel ID="upnData" runat="server"
02 ChildrenAsTriggers="false" UpdateMode="Conditional">
03 <Triggers>
04
05 </Triggers>
06 <ContentTemplate>
07 <!-- more content here -->
08 <asp:LinkButton ID="lbnLoad" runat="server" Text="Load"
09 onclick="lbnLoad_Click" />
10 <asp:Button ID="btnSubmit" runat="server" Text="Submit"
11 Width="150px" onclick="btnSubmit_Click" />
12 </ContentTemplate>
13 </asp:UpdatePanel>
14 <asp:Button ID="btnUpdate" runat="server" Text="Update"
15 Width="150px" onclick="btnUpdate_Click" />
```

You need to ensure that the requirements shown in the following table are met.

Click Event	Nature of postback raised
A lbnLoad Linkbutton control click or a btnUpdate Button control click	An asynchronous postback that updates the content in the upnData UpdatePanel control
A btnSubmit Button control click	A synchronous postback on the Web form

48. What should you do?

A: Set the value of the ChildrenAsTriggers property in line 02 to false. Add the following code fragment at line 04.

```
<asp:AsyncPostBackTrigger ControlID="btnUpdate" />
<asp:PostBackTrigger ControlID="btnSubmit" />
```

B: Set the value of the ChildrenAsTriggers property in line 02 to false. Add the following code fragment at line 04.

```
<asp:AsyncPostBackTrigger ControlID="btnSubmit" />
<asp:PostBackTrigger ControlID="btnUpdate" />
```

C: Set the value of the ChildrenAsTriggers property in line 02 to true. Add the following code fragment at line 04.

```
<asp:AsyncPostBackTrigger ControlID="btnSubmit" />
<asp:PostBackTrigger ControlID="btnUpdate" />
```

D: Set the value of the ChildrenAsTriggers property in line 02 to true. Add the following code fragment at line 04.

```
<asp:AsyncPostBackTrigger ControlID="btnUpdate" />
<asp:PostBackTrigger ControlID="btnSubmit" />
```

Correct Answers: D

49. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5.

You write the following code segment to create a client-script function. (Line numbers are included for reference only.)

```
01 function updateLabelControl(labelId, newText) {  
02     var label = $find(labelId);  
03     label.innerHTML = newText;  
04 }
```

The client script function uses ASP.NET AJAX and updates the text of any Label control in the Web form.

When you test the client script function, you discover that the Label controls are not updated. You receive the following JavaScript error message in the browser: "'null' is null or not an object."

You need to resolve the error. What should you do?

A: Replace line 03 with the following line of code. `label.innerText = newText;`

B: Replace line 02 with the following line of code. `var label = $get(labelId);`

C: Replace line 02 with the following line of code. `var label = Sys.UI.DomElement.getElementById($get(labelId));`

D: Replace line 02 with the following line of code. `var label = Sys.UI.DomElement.getElementById($find(labelId));`

Correct Answers: B

50. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5.

You write the following code fragment.

```
<asp:ScriptManager ID="ScriptManager1" runat="server" />  
<asp:UpdatePanel ID="updateLabels" runat="server"  
UpdateMode="Conditional">  
<ContentTemplate>  
    <asp:Label ID="Label1" runat="server" />  
    <asp:Label ID="Label2" runat="server" />  
    <asp:Button ID="btnSubmit" runat="server" Text="Submit"  
        onclick="btnSubmit_Click" />  
</ContentTemplate>  
</asp:UpdatePanel>  
<asp:Label id="Label3" runat="server" />
```

You need to ensure that when you click the btnSubmit Button control, each Label control value is asynchronously updatable.

Which code segment should you use?

A: `Protected Sub btnSubmit_Click(ByVal sender As Object, _ ByVal e As EventArgs)
Label1.Text = "Label1 updated value" Label2.Text = "Label2 updated value" Label3.Text =
"Label3 updated value"End Sub`

B: `Protected Sub btnSubmit_Click(ByVal sender As Object, _ ByVal e As EventArgs)
Label1.Text = "Label1 updated value" Label2.Text = "Label2 updated value"
ScriptManager1.RegisterDataItem(Label3, _ "Label3 updated value")End Sub`

C: `Protected Sub btnSubmit_Click(ByVal sender As Object, _ ByVal e As EventArgs)
ScriptManager1.RegisterDataItem(Label1, _ "Label1 updated value")
ScriptManager1.RegisterDataItem(Label2, _ "Label2 updated value") Label3.Text = "Label3
updated value"End Sub`

D: `Protected Sub btnSubmit_Click(ByVal sender As Object, _ ByVal e As EventArgs)
Label1.Text = "Label1 updated value" Label2.Text = "Label2 updated value"
ScriptManager1.RegisterAsyncPostBackControl(Label3) Label3.Text = "Label3 updated
value"End Sub`

Correct Answers:

C Sharp:

1.You create a Microsoft ASP.NET Web application by using the Microsoft .NET Framework version 3.5. The application uses ASP.NET AJAX, and you plan to deploy it in a Web farm environment. You need to configure SessionState for the application. Which code fragment should you use?

A: `<sessionState mode="InProc" cookieless="UseCookies" />`

B: `<sessionState mode="InProc" cookieless="UseDeviceProfile" />`

C: `<sessionState mode="SQLServer" cookieless="false" sqlConnectionString="Integrated
Security=SSPI;data source=MySqlServer;" />`

D: `<sessionState mode="SQLServer" cookieless="UseUri" sqlConnectionString="Integrated
Security=SSPI;data source=MySqlServer;" />`

Correct Answers: C

2.You create a Microsoft ASP.NET Web application by using the Microsoft .NET Framework version 3.5. You plan to set up authentication for the Web application. The application must support users from untrusted domains. You need to ensure that anonymous users cannot access the application. Which code fragment should you add to the Web.config file?

A: `<system.web> <authentication mode="Forms"> <forms loginUrl="login.aspx" />
</authentication> <authorization> <deny users="?" /> </authorization></system.web>`

B: `<system.web> <authentication mode="Forms"> <forms loginUrl="login.aspx" />`

```
</authentication> <authorization> <deny users="*" /> </authorization></system.web>  
C: <system.web> <authentication mode="Windows"> </authentication> <authorization>  
<deny users="?" /> </authorization></system.web>  
D: <system.web> <authentication mode="Windows"> </authentication> <authorization>  
<deny users="*" /> </authorization></system.web>
```

Correct Answers: A

3.You are maintaining a Microsoft ASP.NET Web Application that was created by using the Microsoft .NET Framework version 3.5. You obtain the latest version of the project from the source control repository. You discover that an assembly reference is missing when you attempt to compile the project on your computer. You need to compile the project on your computer. What should you do?

- A: Add a reference path in the property pages of the project to the location of the missing assembly.
- B: Add a working directory in the property pages of the project to the location of the missing assembly.
- C: Change the output path in the property pages of the project to the location of the missing assembly.
- D: Delete the assembly reference. Add a reference to the missing assembly by browsing for it on your computer.

Correct Answers: A

4.You create a Microsoft ASP.NET Web application by using the Microsoft .NET Framework version 3.5. The computer that hosts the ASP.NET Web application contains a local instance of Microsoft SQL Server 2005. The instance uses Windows Authentication. You plan to configure the membership providers and the role management providers. You need to install the database elements for both the providers on the local computer. What should you do?

- A: Run the sqlcmd.exe -S localhost E command from the command line.
- B: Run the aspnet_regiis.exe -s localhost command from the command line.
- C: Run the sqlmetal.exe /server:localhost command from the command line.
- D: Run the aspnet_regsql.exe -E -S localhost -A mr command from the command line.

Correct Answers: D

5.You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5.

You create an AJAX-enabled Web form by using the following code fragment.

```
<asp:ScriptManager ID="scrMgr" runat="server" />  
<asp:UpdatePanel runat="server" ID="updFirstPanel"  
  UpdateMode="Conditional">  
  <ContentTemplate>
```

```

        <asp:TextBox runat="server" ID="txtInfo" />
        <asp:Button runat="server" ID="btnSubmit"
            Text="Submit" />
    </ContentTemplate>
</asp:UpdatePanel>
<asp:UpdatePanel runat="server" ID="updSecondPanel"
    UpdateMode="Conditional">
    <ContentTemplate>
        ...
    </ContentTemplate>
</asp:UpdatePanel>

```

When the updFirstPanel UpdatePanel control is updated, a dynamic client script is registered.

You write the following code segment in the code-behind file of the Web form. (Line numbers are included for reference only.)

```

01 protected void Page_Load(object sender, EventArgs e)
02 {
03     if(IsPostBack)
04     {
05         string generatedScript = ScriptGenerator.GenerateScript();
06
07     }
08 }

```

You need to ensure that the client-script code is registered only when an asynchronous postback is issued on the updFirstPanel UpdatePanel control.

Which code segment should you insert at line 06?

- A: ClientScript.RegisterClientScriptBlock(typeof(TextBox), "txtInfo_Script", generatedScript);
- B: ScriptManager.RegisterClientScriptBlock(this, typeof(Page), "txtInfo_Script", generatedScript, false);
- C: ClientScript.RegisterClientScriptBlock(typeof(Page), "txtInfo_Script", generatedScript);
- D: ScriptManager.RegisterClientScriptBlock(txtInfo, typeof(TextBox), "txtInfo_Script", generatedScript, false);

Correct Answers: D

6. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5.

You write the following code segment to create a JavaScript file named CalculatorScript.js.

```

function divide(a, b) {
    if (b == 0) {
        var errorMsg = Messages.DivideByZero;
        alert(errorMsg);
        return null;
    }
    return a/b;
}

```

You embed the CalculatorScript.js file as a resource in a Class Library project. The namespace for this project is Calculator.Resources. The JavaScript function retrieves messages from a resource file named MessageResources.resx by using the JavaScript Messages object.

You add an AJAX Web form in the ASP.NET application. You reference the Class Library in the application. You add an ASP.NET AJAX ScriptReference element to the AJAX Web form.

You need to ensure that the JavaScript function can access the error messages that are defined in the resource file.

Which code segment should you add in the AssemblyInfo.cs file?

- A: [assembly: ScriptResource ("CalculatorScript", "MessageResources", "Messages")]
- B: [assembly: ScriptResource ("CalculatorScript.js", "MessageResources.resx", "Messages")]
- C: [assembly: ScriptResource ("Calculator.Resources.CalculatorScript.js", "Calculator.Resources.MessageResources", "Messages")]
- D: [assembly: ScriptResource ("Calculator.Resources.CalculatorScript", "Calculator.Resources.MessageResources.resx", "Messages")]

Correct Answers: C

7. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5.

You create a Web form by using ASP.NET AJAX.

The Web form contains the following code fragment. (Line numbers are included for reference only.)

```

01 <script type="text/javascript">
02
03     Sys.Application.add_init(initComponents);
04
05     function initComponents() {
06
07     }

```

```
08
09 </script>
10
11 <asp:ScriptManager ID="ScriptManager1"
12   runat="server" />
13 <asp:TextBox runat="server" ID="TextBox1" />
```

You need to create and initialize a client behavior named MyCustomBehavior by using the `initComponents` function. You also need to ensure that MyCustomBehavior is attached to the TextBox1 Textbox control.

Which code segment should you insert at line 06?

- A: `$create(MyCustomBehavior, null, null, null, 'TextBox1');`
 - B: `$create(MyCustomBehavior, null, null, null, $get('TextBox1'));`
 - C: `Sys.Component.create(MyCustomBehavior, 'TextBox1', null, null, null);`
 - D: `Sys.Component.create(MyCustomBehavior, $get('TextBox1'), null, null, null);`
- Correct Answers: D

8. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5.

You write the following code segment to create a client-script function. (Line numbers are included for reference only.)

```
01 function updateLabelControl(labelId, newText) {
02   var label = $find(labelId);
03   label.innerHTML = newText;
04 }
```

The client script function uses ASP.NET AJAX and updates the text of any Label control in the Web form.

When you test the client script function, you discover that the Label controls are not updated. You receive the following JavaScript error message in the browser: "'null' is null or not an object."

You need to resolve the error.

What should you do?

- A: Replace line 03 with the following line of code. `label.innerText = newText;`
- B: Replace line 02 with the following line of code. `var label = $get(labelId);`
- C: Replace line 02 with the following line of code. `var label = Sys.UI.DomElement.getElementById($get(labelId));`

D: Replace line 02 with the following line of code. `var label = Sys.UI.DomElement.getElementById($find(labelId));`

Correct Answers: B

9. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5.

You write the following code fragment. (Line numbers are included for reference only.)

```
01 <asp:UpdatePanel ID="upnData" runat="server"
02 ChildrenAsTriggers="false" UpdateMode="Conditional">
03 <Triggers>0405 </Triggers>
06 <ContentTemplate>
07 <!-- more content here -->
08 <asp:LinkButton ID="lbtnLoad" runat="server" Text="Load"
09 onclick="lbtnLoad_Click" />
10 <asp:Button ID="btnSubmit" runat="server" Text="Submit"
11 Width="150px" onclick="btnSubmit_Click" />12 </ContentTemplate>
13 </asp:UpdatePanel>
14 <asp:Button ID="btnUpdate" runat="server" Text="Update"
15 Width="150px" onclick="btnUpdate_Click" />
```

You need to ensure that the requirements shown in the following table are met.

Click Event	Nature of postback raised
A lbtnLoad Linkbutton control click or a btnUpdate Button control click	An asynchronous postback that updates the content in the upnData UpdatePanel control
A btnSubmit Button control click	A synchronous postback on the Web form

9. What should you do?

A: Set the value of the `ChildrenAsTriggers` property in line 02 to false. Add the following code fragment at line 04. `<asp:AsyncPostBackTrigger ControlID="btnUpdate" />`

`<asp:PostBackTrigger ControlID="btnSubmit" />`

B: Set the value of the `ChildrenAsTriggers` property in line 02 to false. Add the following code fragment at line 04. `<asp:AsyncPostBackTrigger ControlID="btnSubmit" />`

`<asp:PostBackTrigger ControlID="btnUpdate" />`

C: Set the value of the `ChildrenAsTriggers` property in line 02 to true. Add the following code fragment at line 04. `<asp:AsyncPostBackTrigger ControlID="btnSubmit" />`

`<asp:PostBackTrigger ControlID="btnUpdate" />`

D: Set the value of the `ChildrenAsTriggers` property in line 02 to true. Add the following code fragment at line 04. `<asp:AsyncPostBackTrigger ControlID="btnUpdate" />`

`<asp:PostBackTrigger ControlID="btnSubmit" />`

Correct Answers: D

10. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5.

You create a login Web form by using the following code fragment.

```
<asp:ScriptManager ID="ScriptManager1" runat="server" />
<asp:TextBox runat="server" ID="txtUser" Width="200px" />
<asp:TextBox runat="server" ID="txtPassword" Width="200px" />
<asp:Button runat="server" ID="btnLogin" Text="Login"
  OnClientClick="login(); return false;" />
```

When a user clicks the btnLogin Button control, the login() client-side script is called to authenticate the user. The credentials provided in the TextBox controls are used to call the client-side script.

You also add the following client-script code fragment in the Web form. (Line numbers are included for reference only.)

```
01 <script type="text/javascript">
02   function login() {
03     var username = $get('txtUser').value;
04     var password = $get('txtPassword').value;
05
06     // authentication logic.
07   }
08   function onLoginCompleted(validCredentials, userContext,
09     methodName)
10   {
11     // notify user on authentication result.
12   }
13
14   function onLoginFailed(error, userContext, methodName)
15   {
16     // notify user on authentication exception.
17   }
18 </script>
```

The ASP.NET application is configured to use Forms Authentication. The ASP.NET AJAX authentication service is activated in the Web.config file.

You need to ensure that the following workflow is maintained:

On successful authentication, the onLoginCompleted client-script function is called to notify

the user.

On failure of authentication, the `onLoginFailed` client-script function is called to display an error message.

Which code segment should you insert at line 06?

A: `var auth = Sys.Services.AuthenticationService; auth.login(username, password, false, null, null, onLoginCompleted, onLoginFailed, null);`

B: `var auth = Sys.Services.AuthenticationService; auth.set_defaultFailedCallback(onLoginFailed); var validCredentials = auth.login(username, password, false, null, null, null, null, null); if (validCredentials) onLoginCompleted(true, null, null); else onLoginCompleted(false, null, null);`

C: `var auth = Sys.Services.AuthenticationService; auth.set_defaultLoginCompletedCallback(onLoginCompleted); try { auth.login(username, password, false, null, null, null, null, null); } catch (err) { onLoginFailed(err, null, null); }`

D: `var auth = Sys.Services.AuthenticationService; try { var validCredentials = auth.login(username, password, false, null, null, null, null, null); if (validCredentials) onLoginCompleted(true, null, null); else onLoginCompleted(false, null, null); } catch (err) { onLoginFailed(err, null, null); }`

Correct Answers: A

11. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5.

You write the following code fragment.

```
<asp:ScriptManager ID="ScriptManager1" runat="server" />
<asp:UpdatePanel ID="updateLabels" runat="server"
UpdateMode="Conditional">
<ContentTemplate>
    <asp:Label ID="Label1" runat="server" />
    <asp:Label ID="Label2" runat="server" />
    <asp:Button ID="btnSubmit" runat="server" Text="Submit"
        onclick="btnSubmit_Click" />
</ContentTemplate>
</asp:UpdatePanel>
<asp:Label id="Label3" runat="server" />
```

You need to ensure that when you click the `btnSubmit` Button control, each Label control value is asynchronously updatable.

Which code segment should you use?

A: protected void btnSubmit_Click(object sender, EventArgs e){ Label1.Text = "Label1 updated value"; Label2.Text = "Label2 updated value"; Label3.Text = "Label3 updated value";}

B: protected void btnSubmit_Click(object sender, EventArgs e){ Label1.Text = "Label1 updated value"; Label2.Text = "Label2 updated value"; ScriptManager1.RegisterDataItem(Label3, "Label3 updated value");}

C: protected void btnSubmit_Click(object sender, EventArgs e){ ScriptManager1.RegisterDataItem(Label1, "Label1 updated value"); ScriptManager1.RegisterDataItem(Label2, "Label2 updated value"); Label3.Text = "Label3 updated value";}

D: protected void btnSubmit_Click(object sender, EventArgs e){ Label1.Text = "Label1 updated value"; Label2.Text = "Label2 updated value"; ScriptManager1.RegisterAsyncPostBackControl(Label3); Label3.Text = "Label3 updated value";}

Correct Answers: B

12. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5.

You create a class that implements the IHttpHandler interface. You implement the ProcessRequest method by using the following code segment. (Line numbers are included for reference only.)

```
01 public void ProcessRequest(HttpContext ctx) {  
02  
03 }
```

You need to ensure that the image named Alert.jpg is displayed in the browser when the handler is requested.

Which code segment should you insert at line 02?

A: StreamReader sr = new StreamReader(File.OpenRead(ctx.Server.MapPath("Alert.jpg")));ctx.Response.Pics(sr.ReadToEnd());sr.Close();

B: StreamReader sr = new StreamReader(File.OpenRead(ctx.Server.MapPath("Alert.jpg")));ctx.Response.Pics("image/jpg"); ctx.Response.TransmitFile(sr.ReadToEnd());sr.Close();

C: ctx.Response.ContentType = "image/jpg";FileStream fs = File.OpenRead(ctx.Server.MapPath("Alert.jpg"));int b;while ((b = fs.ReadByte()) != -1) { ctx.Response.OutputStream.WriteByte((byte)b); }fs.Close();

D: ctx.Response.TransmitFile("image/jpg");FileStream fs = File.OpenRead(ctx.Server.MapPath("Alert.jpg"));int b;while ((b = fs.ReadByte()) != -1) { ctx.Response.OutputStream.WriteByte((byte)b); }fs.Close();

Correct Answers: C

13. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5. The application uses 10 themes and allows the users to select their themes for the Web page. When a user returns to the application, the theme selected by the user is used to display pages in the application. This occurs even if the user returns to log on at a later date or from a different client computer. The application runs on different storage types and in different environments. You need to store the themes that are selected by the users and retrieve the required theme. What should you do?

A: Use the Application object to store the name of the theme that is selected by the user. Retrieve the required theme name from the Application object each time the user visits a page.

B: Use the Session object to store the name of the theme that is selected by the user. Retrieve the required theme name from the Session object each time the user visits a page.

C: Use the Response.Cookies collection to store the name of the theme that is selected by the user. Use the Request.Cookies collection to identify the theme that was selected by the user each time the user visits a page.

D: Add a setting for the theme to the profile section of the Web.config file of the application. Use the Profile.Theme string theme to store the name of the theme that is selected by the user. Retrieve the required theme name each time the user visits a page.

Correct Answers: D

14. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5. The application uses a set of general-purpose utility classes that implement business logic. These classes are modified frequently. You need to ensure that the application is recompiled automatically when a utility class is modified. What should you do?

A: Create the Web application by using a Microsoft Visual Studio ASP.NET Web site. Add the utility classes to the App_Code subfolder of the Web application.

B: Create the Web application by using a Microsoft Visual Studio ASP.NET Web Application project. Add the utility classes to the App_Code subfolder of the Web application.

C: Create the Web application by using a Microsoft Visual Studio ASP.NET Web site. Add the utility classes to the root folder of the Web application.

D: Create the Web application by using a Microsoft Visual Studio ASP.NET Web Application project. Add the utility classes to the root folder of the Web application.

Correct Answers: A

15. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5.

You create a custom Web user control named SharedControl. The control will be compiled as a library.

You write the following code segment for the SharedControl control. (Line numbers are included for reference only.)

```
01 protected override void OnInit(EventArgs e)
02 {
03     base.OnInit(e);
04
05 }
```

All the master pages in the ASP.NET application contain the following directive.

```
<%@ Master Language="C#" EnableViewState="false" %>
```

You need to ensure that the state of the SharedControl control can persist on the pages that reference a master page.

Which code segment should you insert at line 04?

- A: Page.RegisterRequiresPostBack(this);
- B: Page.RegisterRequiresControlState(this);
- C: Page.UnregisterRequiresControlState(this);
- D: Page.RegisterStartupScript("SharedControl", "server");

Correct Answers: B

16. You modify an existing Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5. You add a theme to the ASP.NET application. You need to apply the theme to override any settings of individual controls. What should you do?

- A: In the Web.config file of the application, set the Theme attribute of the pages element to the name of the theme.
- B: In the Web.config file of the application, set the StyleSheetTheme attribute of the pages element to the name of the theme.
- C: Add a master page to the application. In the @Master directive, set the Theme attribute to the name of the theme.
- D: Add a master page to the application. In the @Master directive, set the StyleSheetTheme attribute to the name of the theme.

Correct Answers: A

17. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5.

You add a Web page named HomePage.aspx in the application. The Web page contains different controls. You add a newly created custom control named CachedControl to the Web page.

You need to ensure that the following requirements are met:

The custom control state remains static for one minute.

The custom control settings do not affect the cache settings of other elements in the Web page.

What should you do?

A: Add the following code fragment to the Web.config file of the solution. < caching >
< outputCacheSettings > < outputCacheProfiles > < add
name="CachedProfileSet" varyByControl="CachedControl" duration="60" />
< /outputCacheProfiles > < /outputCacheSettings >< / caching >

B: Add the following code fragment to the Web.config file of the solution. < caching >
< outputCacheSettings > < outputCacheProfiles > < add
name="CachedProfileSet" varyByParam="CachedControl" duration="60" />
< /outputCacheProfiles > < /outputCacheSettings >< / caching >

C: Add a class named ProfileCache that inherits from the ConfigurationSection class to the
HomePage.aspx.cs page. Add the following to the Web.config file of the solution. < ProfileCache
profile="CachedProfileSet" varyByControl="CachedControl"
duration="60">< /ProfileCache >< caching > < outputCache
enableOutputCache="true"/>< / caching >

D: Add a class named ProfileCache that inherits from the ConfigurationSection class to the
HomePage.aspx.cs page. Add the following code fragment to the Web.config file of the solution.
< ProfileCache profile="CachedProfileSet" varyByParam="CachedControl"
duration="60">< /ProfileCache >< caching > < outputCache
enableOutputCache="true"/>< / caching >

Correct Answers: A

18. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5.

You create a page that contains the following code fragment.

```
<asp:ListBox ID="lstLanguages"  
AutoPostBack="true" runat="server" />
```

You write the following code segment in the code-behind file for the page.

```
void BindData(object sender, EventArgs e) {  
    lstLanguages.DataSource =  
        CultureInfo.GetCultures(CultureTypes.AllCultures);  
    lstLanguages.DataTextField = "EnglishName";  
    lstLanguages.DataBind();  
}
```

You need to ensure that the lstLanguages ListBox control maintains the selection of the user during postback.

Which line of code should you insert in the constructor of the page?

A: `this.Init += new EventHandler(BindData);`

B: `this.PreRender += new EventHandler(BindData);`

C: `lstLanguages.PreRender += new EventHandler(BindData);`

D: `lstLanguages.SelectedIndexChanged += new EventHandler(BindData);`

Correct Answers: A

19. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5. You create a Web page named `Default.aspx` in the root of the application. You add an `ImageResources.resx` resource file in the `App_GlobalResources` folder. The `ImageResources.resx` file contains a localized resource named `LogoImageUrl`. You need to retrieve the value of `LogoImageUrl`. Which code segment should you use?

A: `string logoImageUrl = (string)GetLocalResource("LogoImageUrl");`

B: `string logoImageUrl = (string)GetGlobalResource("Default", "LogoImageUrl");`

C: `string logoImageUrl = (string)GetGlobalResource("ImageResources", "LogoImageUrl");`

D: `string logoImageUrl = (string)GetLocalResource("ImageResources.LogoImageUrl");`

Correct Answers: C

20. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5. The application must redirect the original URL to a different ASPX page. You need to ensure that the users cannot view the original URL after the page is executed. You also need to ensure that each page execution requires only one request from the client browser. What should you do?

A: Use the `Server.Transfer` method to transfer execution to the correct ASPX page.

B: Use the `Response.Redirect` method to transfer execution to the correct ASPX page.

C: Use the `HttpContext.Current.RewritePath` method to transfer execution to the correct ASPX page.

D: Add the `Location: new URL` value to the `Response.Headers` collection. Call the `Response.End()` statement. Send the header to the client computer to transfer execution to the correct ASPX page.

Correct Answers: C

21. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5. You create a Web page named `enterName.aspx`. The Web page contains a `TextBox` control named `txtName`. The Web page cross posts to a page named `displayName.aspx` that contains a `Label` control named `lblName`. You need to ensure that the `lblName` `Label` control displays the text that was entered in the `txtName` `TextBox` control. Which code segment should you use?

A: `lblName.Text = Request.QueryString["txtName"];`

B: `TextBox txtName = FindControl("txtName") as TextBox; lblName.Text = txtName.Text;`

C: `TextBox txtName = Parent.FindControl("txtName") as TextBox; lblName.Text = txtName.Text;`

D: `TextBox txtName = PreviousPage.FindControl("txtName") as TextBox; lblName.Text =`

txtName.Text;

Correct Answers: D

22. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5.

You create a Microsoft Windows Communication Foundation (WCF) service that exposes the following service contract. (Line numbers are included for reference only.)

```
01 [ServiceContract]
02 public interface IBlogService
03 {
04     [OperationContract]
05     [WebGet(ResponseFormat=WebMessageFormat.Xml)]
06     Rss20FeedFormatter GetBlog();
07 }
```

You configure the WCF service to use the WebHttpBinding class, and to be exposed at the following URL:

<http://www.contoso.com/BlogService>

You need to store the result of the GetBlog operation in an XmlDocument variable named xmlBlog in a Web form.

Which code segment should you use?

A: `string url = @"http://www.contoso.com/BlogService/GetBlog"; XmlReader blogReader = XmlReader.Create(url); xmlBlog.Load(blogReader);`

B: `string url = @"http://www.contoso.com/BlogService"; XmlReader blogReader = XmlReader.Create(url); xmlBlog.Load(blogReader);`

C: `Uri blogUri = new Uri(@"http://www.contoso.com/BlogService"); ChannelFactory<IBlogService> blogFactory = new ChannelFactory<IBlogService>(blogUri); IBlogService blogSrv = blogFactory.CreateChannel(); Rss20FeedFormatter feed = blogSrv.GetBlog(); xmlBlog.LoadXml(feed.ToString());`

D: `Uri blogUri = new Uri(@"http://www.contoso.com/BlogService/GetBlog"); ChannelFactory<IBlogService> blogFactory = new ChannelFactory<IBlogService>(blogUri); IBlogService blogSrv = blogFactory.CreateChannel(); Rss20FeedFormatter feed = blogSrv.GetBlog(); xmlBlog.LoadXml(feed.Feed.ToString());`

Correct Answers: A

23. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5.

You plan to add a custom parameter in the SqlDataSource control.

You write the following code fragment.

```
<asp:SqlDataSource ID="SqlDataSource1" runat="server"
  InsertCommand="INSERT INTO [Employee] ([Field1], [Field2],
  [PostedDate]) VALUES (@Field1, @Field2, @PostedDate)">
  <InsertParameters>
    <asp:Parameter Name="Field1" />
    <asp:Parameter Name="Field2" />
    <custom:DayParameter Name="PostedDate" />
  </InsertParameters>
</asp:SqlDataSource>
```

You write the following code segment to create a custom parameter class.

```
public class DayParameter : Parameter {
}
```

You need to ensure that the custom parameter returns the current date and time.

Which code segment should you add to the DayParameter class?

- A: protected DayParameter(): base("Value", TypeCode.DateTime, DateTime.Now.ToString()){}
 - B: protected override void LoadViewState(object savedState){ ((StateBag)savedState).Add("Value", DateTime.Now);}
 - C: protected override object Evaluate(HttpContext context, Control control) { return DateTime.Now;}
 - D: protected override Parameter Clone(){ Parameter pm = new DayParameter(); pm.DefaultValue = DateTime.Now; return pm;}
- Correct Answers: C

24. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5.

The application contains a DataSourceControl named CategoriesDataSource that is bound to a Microsoft SQL Server 2005 table. The CategoryName column is the primary key of the table.

You write the following code fragment in a FormView control. (Line numbers are included for reference only.)

```
01 <tr>
02   <td align="right"><b>Category:</b></td>
03   <td><asp:DropDownList ID="InsertCategoryDropDownList"
```

```

04
05     DataSourceID="CategoriesDataSource"
06     DataTextField="CategoryName"
07     DataValueField="CategoryID"
08     RunAt="Server" />
09 </td>
10 </tr>

```

You need to ensure that the changes made to the CategoryID field can be written to the database.

Which code fragment should you insert at line 04?

- A: SelectedValue=<%# Eval("CategoryID") %>'
 - B: SelectedValue=<%# Bind("CategoryID") %>'
 - C: SelectedValue=<%# Eval("CategoryName") %>'
 - D: SelectedValue=<%# Bind("CategoryName") %>'
- Correct Answers: B

25. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5.

You define the following class.

```

public class Product {
    public decimal Price { get; set; }
}

```

Your application contains a Web form with a Label control named lblPrice.

You use a StringReader variable named xmlStream to access the following XML fragment.

```

<Product>
  <Price>35</Price>
</Product>

```

You need to display the price of the product from the XML fragment in the lblPrice Label control.

Which code segment should you use?

- A: `DataTable dt = new DataTable();dt.ExtendedProperties.Add("Type", "Product");dt.ReadXml(xmlStream);lblPrice.Text = dt.Rows[0]["Price"].ToString();`
- B: `XmlReader xr = XmlReader.Create(xmlStream);Product boughtProduct = xr.ReadContentAs(typeof(Product), null) as Product;lblPrice.Text = boughtProduct.Price.ToString();`

C: XmlSerializer xs = new XmlSerializer(typeof(Product));Product boughtProduct = xs.Deserialize(xmlStream) as Product;lblPrice.Text = boughtProduct.Price.ToString();

D: XmlDocument xDoc = new XmlDocument();xDoc.Load(xmlStream);Product boughtProduct = xDoc.OfType<Product>().First();lblPrice.Text = boughtProduct.Price.ToString();

Correct Answers: C

26. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5.

You create a file named movies.xml that contains the following code fragment.

```
<Movies>
  <Movie ID="1" Name="Movie1" Year="2006">
    <Desc Value="Movie desc"/>
  </Movie>
  <Movie ID="2" Name="Movie2" Year="2007">
    <Desc Value="Movie desc"/>
  </Movie>
  <Movie ID="3" Name="Movie3" Year="2008">
    <Desc Value="Movie desc"/>
  </Movie>
</Movies>
```

You add a Web form to the application.

You write the following code segment in the Web form. (Line numbers are included for reference only.)

```
01 <form runat="server">
02   <asp:xmldatasource
03     id="XmlDataSource1"
04     runat="server"
05     datafile="movies.xml" />
06
07 </form>
```

You need to implement the XmlDataSource control to display the XML data in a TreeView control.

Which code segment should you insert at line 06?

```
A: <asp:TreeView ID="TreeView1" runat="server" DataSourceID="XmlDataSource1">
  <DataBindings>
    <asp:TreeNodeBinding DataMember="Movie" Text="Name" />
  </DataBindings></asp:TreeView>
```

B: <asp:TreeView ID="TreeView1" runat="server" DataSourceID="XmlDataSource1">
<DataBindings> <asp:TreeNodeBinding DataMember="Movies" Text="Desc" />
</DataBindings></asp:TreeView>

C: <asp:TreeView ID="TreeView1" runat="server" DataSourceID="MovDataSource1">
<DataBindings> <asp:TreeNodeBinding DataMember="Movie" Text="Name" />
</DataBindings></asp:TreeView>

D: <asp:TreeView ID="TreeView1" runat="server" DataSourceID="MovDataSource1">
<DataBindings> <asp:TreeNodeBinding DataMember="Movies" Text="Desc" />
</DataBindings></asp:TreeView>

Correct Answers: A

27. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5.

You create a Web page to display photos and captions. The caption of each photo in the database can be modified by using the application.

You write the following code fragment.

```
<asp:FormView DataSourceID="ObjectDataSource1"
  DataKeyNames="PhotoID" runat="server">
  <EditItemTemplate>
    <asp:TextBox Text='<%# Bind("Caption") %>' runat="server"/>
    <asp:Button Text="Update" CommandName="Update"
      runat="server"/>
    <asp:Button Text="Cancel" CommandName="Cancel"
      runat="server"/>
  </EditItemTemplate>
  <ItemTemplate>
    <asp:Label Text='<%# Eval("Caption") %>' runat="server" />
    <asp:Button Text="Edit" CommandName="Edit" runat="server"/>
  </ItemTemplate>
</asp:FormView>
```

When you access the Web page, the application throws an error. You need to ensure that the application successfully updates each caption and stores it in the database.

What should you do?

A: Add the ID attribute to the Label control.

B: Add the ID attribute to the TextBox control.

C: Use the Bind function for the Label control instead of the Eval function.

D: Use the Eval function for the TextBox control instead of the Bind function.

Correct Answers: B

28. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5. The application consumes a Microsoft Windows Communication Foundation (WCF) service.

The WCF service exposes the following method.

```
[WebInvoke]
string UpdateCustomerDetails(string custID);
```

The application hosts the WCF service by using the following code segment.

```
WebServiceHost host = new WebServiceHost(typeof(CService),
    new Uri("http://win/"));
ServiceEndpoint ep = host.AddServiceEndpoint(typeof(ICService),
    new WebHttpBinding(), "");
```

You need to invoke the UpdateCustomerDetails method.

Which code segment should you use?

A: `WebChannelFactory<ICService> wcf = new WebChannelFactory<ICService>(new Uri("http://win/")); ICService channel = wcf.CreateChannel(); string s = channel.UpdateCustomerDetails("CustID12");`

B: `WebChannelFactory<ICService> wcf = new WebChannelFactory<ICService>(new Uri("http://win/UpdateCustomerDetails")); ICService channel = wcf.CreateChannel(); string s = channel.UpdateCustomerDetails("CustID12");`

C: `ChannelFactory<ICService> cf = new ChannelFactory<ICService>(new WebHttpBinding(), "http://win/UpdateCustomerDetails"); ICService channel = cf.CreateChannel(); string s = channel.UpdateCustomerDetails("CustID12");`

D: `ChannelFactory<ICService> cf = new ChannelFactory<ICService>(new BasicHttpBinding(), "http://win/"); cf.Endpoint.Behaviors.Add(new WebHttpBehavior()); ICService channel = cf.CreateChannel(); string s = channel.UpdateCustomerDetails("CustID12");`

Correct Answers: A

29. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5.

You create a Web form that contains the following code fragment.

```
<asp:TextBox runat="server" ID="txtSearch" />
<asp:Button runat="server" ID="btnSearch" Text="Search"
    OnClick="btnSearch_Click" />
<asp:GridView runat="server" ID="gridCities" />
```

You write the following code segment in the code-behind file. (Line numbers are included for reference only.)

```
01 protected void Page_Load(object sender, EventArgs e)
02 {
03     DataSet objDS = new DataSet();
04     SqlDataAdapter objDA = new SqlDataAdapter(objCmd);
05     objDA.Fill(objDS);
06     gridCities.DataSource = objDs;
07     gridCities.DataBind();
08     Session["ds"] = objDS;
09 }
10 protected void btnSearch_Click(object sender, EventArgs e)
11 {
12
13 }
```

You need to ensure that when the btnSearch Button control is clicked, the records in the gridCities GridView control are filtered by using the value of the txtSearch TextBox.

Which code segment you should insert at line 12?

A: DataSet ds = gridCities.DataSource as DataSet; DataView dv = ds.Tables[0].DefaultView; dv.RowFilter = "CityName LIKE " + txtSearch.Text + "%"; gridCities.DataSource = dv; gridCities.DataBind();

B: DataSet ds = Session["ds"] as DataSet; DataView dv = ds.Tables[0].DefaultView; dv.RowFilter = "CityName LIKE " + txtSearch.Text + "%"; gridCities.DataSource = dv; gridCities.DataBind();

C: DataTable dt = Session["ds"] as DataTable; DataView dv = dt.DefaultView; dv.RowFilter = "CityName LIKE " + txtSearch.Text + "%"; gridCities.DataSource = dv; gridCities.DataBind();

D: DataSet ds = Session["ds"] as DataSet; DataTable dt = ds.Tables[0]; DataRow[] rows = dt.Select("CityName LIKE " + txtSearch.Text + "%"); gridCities.DataSource = rows; gridCities.DataBind();

Correct Answers: B

30. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5.

You create a class that contains the following code segment. (Line numbers are included for reference only.)

```
01 public object GetCachedProducts(sqlConnection conn) {
```

```

02
03  if (Cache["products"] == null) {
04      SqlCommand cmd = new SqlCommand(
05          "SELECT * FROM Products", conn);
07      conn.Open();
08      Cache.Insert("products", GetData(cmd));
09      conn.Close();
10  }
11  return Cache["products"];
12 }
13
14 public object GetData(SqlCommand prodCmd) {
15
16 }

```

Each time a Web form has to access a list of products, the `GetCachedProducts` method is called to provide this list from the Cache object.

You need to ensure that the list of products is always available in the Cache object.

Which code segment should you insert at line 15?

- A: `return prodCmd.ExecuteReader();`
 - B: `SqlDataReader dr;prodCmd.CommandTimeout = int.MaxValue;dr = prodCmd.ExecuteReader();return dr;`
 - C: `SqlDataAdapter da = new SqlDataAdapter();da.SelectCommand = prodCmd;DataSet ds = new DataSet();return ds.Tables[0];`
 - D: `SqlDataAdapter da = new SqlDataAdapter(prodCmd);DataSet ds = new DataSet();da.Fill(ds);return ds;`
- Correct Answers: D

31. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5.

You create two user controls named `UserCtrlA.ascx` and `UserCtrlB.ascx`. The user controls postback to the server.

You create a new Web page that has the following ASPX code.

```

<asp:CheckBox ID="Chk" runat="server"
    oncheckedchanged="Chk_CheckedChanged" AutoPostBack="true" />
<asp:Placeholder ID="PIHolder" runat="server"></asp:Placeholder>

```

To dynamically create the user controls, you write the following code segment for the Web page.

```

public void LoadControls()
{
    if (ViewState["CtrlA"] != null)
    {
        Control c;
        if ((bool)ViewState["CtrlA"] == true)
        { c = LoadControl("UserCtrlA.ascx"); }
        else
        { c = LoadControl("UserCtrlB.ascx"); }
        c.ID = "Ctrl";
        PIHolder.Controls.Add(c);
    }
}
protected void Chk_CheckedChanged(object sender, EventArgs e)
{
    ViewState["CtrlA"] = Chk.Checked;
    PIHolder.Controls.Clear();
    LoadControls();
}

```

You need to ensure that the user control that is displayed meets the following requirements:

- It is recreated during postback.
- It retains its state.

Which method should you add to the Web page?

- A: protected override object SaveViewState(){ LoadControls(); return base.SaveViewState();}
- B: protected override void Render(HtmlTextWriter writer){ LoadControls(); base.Render(writer);}
- C: protected override void OnLoadComplete(EventArgs e){ base.OnLoadComplete(e); LoadControls();}
- D: protected override void LoadViewState(object savedState){ base.LoadViewState(savedState); LoadControls();}

Correct Answers: D

32. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5.

The application has a Web form file named MovieReviews.aspx.

The MovieReviews.aspx file connects to a LinqDataSource DataSource named LinqDataSource1 that has a primary key named MovieID.

The application has a DetailsView control named DetailsView1.

The MovieReviews.aspx file contains the following code fragment. (Line numbers are included for reference only.)

```
01 <asp:DetailsView ID="DetailsView1" runat="server"
02 DataSourceID="LinqDataSource1"0304 />
05 <Fields>
06 <asp:BoundField DataField="MovieID" HeaderText="MovieID"
07 InsertVisible="False"
08 ReadOnly="True" SortExpression="MovieID" />
09 <asp:BoundField DataField="Title" HeaderText="Title"
10 SortExpression="Title" />
11 <asp:BoundField DataField="Theater" HeaderText="Theater"
12 SortExpression="Theater" />
13 <asp:CommandField ShowDeleteButton="false"
14 ShowEditButton="True" ShowInsertButton="True" />
15 </Fields>
16 </asp:DetailsView>
```

You need to ensure that the users can insert and update content in the DetailsView1 control. You also need to prevent duplication of the link button controls for the Edit and New operations.

Which code segment should you insert at line 03?

A: AllowPaging="false"AutoGenerateRows="false"

B: AllowPaging="true"AutoGenerateRows="false"DataKeyNames="MovieID"

C:

AllowPaging="true"AutoGenerateDeleteButton="false"AutoGenerateEditButton="true"AutoGenerateInsertButton="true"AutoGenerateRows="false"

D:

AllowPaging="false"AutoGenerateDeleteButton="false"AutoGenerateEditButton="true"AutoGenerateInsertButton="true"AutoGenerateRows="false"DataKeyNames="MovieID"

Correct Answers: B

33. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5. To add a Calendar server control to a Web page, you write the following code fragment.

```
<asp:Calendar SelectionMode="DayWeek" ID="Calendar1" runat="server"> </asp:Calendar>
```

You need to disable the non-week days in the Calendar control. What should you do?

A: Add the following code segment to the Calendar1 DayRender event handler. if (e.Day.IsWeekend) { e.Day.IsSelectable = false; }

B: Add the following code segment to the Calendar1 DayRender event handler. if

```
(e.Day.IsWeekend) { if (Calendar1.SelectedDates.Contains(e.Day.Date))
Calendar1.SelectedDates.Remove(e.Day.Date);}
```

C: Add the following code segment to the Calendar1 SelectionChanged event handler.

```
List<DateTime> list = new List<DateTime>();foreach (DateTime st in (sender as
Calendar).SelectedDates) { if (st.DayOfWeek == DayOfWeek.Saturday || st.DayOfWeek ==
DayOfWeek.Sunday) { list.Add(st); }}foreach (DateTime dt in list) { (sender as
Calendar).SelectedDates.Remove(dt);}
```

D: Add the following code segment to the Calendar1 DataBinding event handler.

```
List<DateTime>
list = new List<DateTime>();foreach (DateTime st in (sender as Calendar).SelectedDates) { if
(st.DayOfWeek == DayOfWeek.Saturday || st.DayOfWeek == DayOfWeek.Sunday)
{ list.Add(st); }}foreach (DateTime dt in list) { (sender as
Calendar).SelectedDates.Remove(dt);}
```

Correct Answers: A

34. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5.

Your application has a user control named UserControl.ascx. You write the following code fragment to create a Web page named Default.aspx.

```
<%@ Page Language="C#" AutoEventWireup="true"
CodeFile="Default.aspx.cs" Inherits="_Default" %>
<html>
...
<body>
<form id="form1" runat="server">
<div>
<asp:Label ID="lblHeader" runat="server"></asp:Label>
<asp:Label ID="lblFooter" runat="server"></asp:Label>
</div>
</form>
</body>
</html>
```

You need to dynamically add the UserControl.ascx control between the lblHeader and lblFooter Label controls. What should you do?

A: Write the following code segment in the Init event of the Default.aspx Web page. Control ctrl = LoadControl("UserCtrl.ascx");this.Controls.AddAt(1, ctrl);

B: Write the following code segment in the Init event of the Default.aspx Web page. Control ctrl = LoadControl("UserCtrl.ascx");lblHeader.Controls.Add(ctrl);

C: Add a Literal control named Ltrl between the lblHeader and lblFooter label controls. Write the following code segment in the Init event of the Default.aspx Web page. Control ctrl = LoadControl("UserCtrl.ascx");

D: Add a Placeholder control named PIHldr between the lblHeader and lblFooter label controls. Write the following code segment in the Init event of the Default.aspx Web page. Control ctrl = LoadControl("UserCtrl.ascx");PIHldr.Controls.Add(ctrl);

Correct Answers: D

35. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5.

You write the following code fragment.

```
<asp:ListBox SelectionMode="Multiple"
  ID="ListBox1" runat="server">
</asp:ListBox>
<asp:ListBox ID="ListBox2" runat="server">
</asp:ListBox>

<asp:Button ID="Button1" runat="server"
  Text="Button" onclick="Button1_Click" />
```

You need to ensure that when you click the Button1 control, a selected list of items move from the ListBox1 control to the ListBox2 control.

Which code segment should you use?

A: foreach (ListItem li in ListBox1.Items) { if (li.Selected) { ListBox2.Items.Add(li); ListBox1.Items.Remove(li); } }

B: foreach (ListItem li in ListBox1.Items) { if (li.Selected) { li.Selected = false; ListBox2.Items.Add(li); ListBox1.Items.Remove(li); } }

C: foreach (ListItem li in ListBox1.Items) { if (li.Selected) { li.Selected = false; ListBox2.Items.Add(li); } }foreach (ListItem li in ListBox2.Items) { if (ListBox1.Items.Contains(li)) ListBox1.Items.Remove(li); }

D: foreach (ListItem li in ListBox1.Items) { if (li.Selected) { li.Selected = false; ListBox2.Items.Add(li); } }foreach (ListItem li in ListBox1.Items) { if (ListBox2.Items.Contains(li)) ListBox1.Items.Remove(li); }

Correct Answers: C

36. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5. You create a custom control named OrderForm. You write the following code segment. public delegate void CheckOrderFormEventHandler(EventArgs e); private static readonly object CheckOrderFormKey = new object(); public event CheckOrderFormEventHandler CheckOrderForm { add { Events.AddHandler(CheckOrderFormKey, value); } remove { Events.RemoveHandler(CheckOrderFormKey, value); } } You need to provide a method that enables the OrderForm control to raise the CheckOrderForm event. Which code

segment should you use?

A: `protected virtual void OnCheckOrderForm(EventArgs e) { CheckOrderFormEventHandler checkOrderForm = (CheckOrderFormEventHandler)Events[typeof(CheckOrderFormEventHandler)]; if (checkOrderForm != null) checkOrderForm(e);}`

B: `protected virtual void OnCheckOrderForm(EventArgs e) { CheckOrderFormEventHandler checkOrderForm = Events[CheckOrderFormKey] as CheckOrderFormEventHandler; if (checkOrderForm != null) checkOrderForm(e);}`

C: `CheckOrderFormEventHandler checkOrderForm = new CheckOrderFormEventHandler(checkOrderFormCallBack);protected virtual void OnCheckOrderForm(EventArgs e) { if (checkOrderForm != null) checkOrderForm(e);}`

D: `CheckOrderFormEventHandler checkOrderForm = new CheckOrderFormEventHandler(checkOrderFormCallBack);protected virtual void OnCheckOrderForm(EventArgs e) { if (checkOrderForm != null) RaiseBubbleEvent(checkOrderForm, e);}`

Correct Answers: B

37. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5. You plan to submit text that contains HTML code to a page in the application. You need to ensure that the HTML code can be submitted successfully without affecting other applications that run on the Web server. What should you do?

A: Add the following attribute to the @Page directive. `EnableEventValidation="true"`

B: Add the following attribute to the @Page directive. `ValidateRequest="true"`

C: Set the following value in the Web.config file. `<system.web> <pages validateRequest="false"/></system.web>`

D: Set the following value in the Machine.config file. `<system.web> <pages validateRequest="false"/></system.web>`

Correct Answers: C

38. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5.

You create a Web page that contains the following two XML fragments. (Line numbers are included for reference only.)

01 `<script runat="server">`

02

03 `</script>`

04 `<asp:ListView ID="ListView1" runat="server"`

05 `DataSourceID="SqlDataSource1"`

06

07 `>`

```

08 <ItemTemplate>
09   <td>
10     <asp:Label ID="LineTotalLabel" runat="server"
11       Text='<%# Eval("LineTotal") %>' />
12   </td>
13 </ItemTemplate>

```

The `SqlDataSource1` object retrieves the data from a Microsoft SQL Server 2005 database table. The database table has a column named `LineTotal`.

You need to ensure that when the size of the `LineTotal` column value is greater than seven characters, the column is displayed in red color.

What should you do?

A: Insert the following code segment at line 06. `OnItemDataBound="FmtClr"` Insert the following code segment at line 02. `protected void FmtClr(object sender, ListViewItemEventArgs e){ Label LineTotal = (Label) e.Item.FindControl("LineTotalLabel"); if (LineTotal.Text.Length > 7) { LineTotal.ForeColor = Color.Red; } else {LineTotal.ForeColor = Color.Black; } }`

B: Insert the following code segment at line 06. `OnItemDataBound="FmtClr"` Insert the following code segment at line 02. `protected void FmtClr(object sender, ListViewItemEventArgs e){ Label LineTotal = (Label) e.Item.FindControl("LineTotal"); if (LineTotal.Text.Length > 7) {LineTotal.ForeColor = Color.Red; } else {LineTotal.ForeColor = Color.Black; } }`

C: Insert the following code segment at line 06. `OnDataBinding="FmtClr"` Insert the following code segment at line 02. `protected void FmtClr(object sender, EventArgs e){ Label LineTotal = new Label(); LineTotal.ID = "LineTotal"; if (LineTotal.Text.Length > 7) {LineTotal.ForeColor = Color.Red; } else { LineTotal.ForeColor = Color.Black; } }`

D: Insert the following code segment at line 06. `OnDataBound="FmtClr"` Insert the following code segment at line 02. `protected void FmtClr(object sender, EventArgs e){ Label LineTotal = new Label(); LineTotal.ID = "LineTotalLabel"; if (LineTotal.Text.Length > 7) {LineTotal.ForeColor = Color.Red; } else {LineTotal.ForeColor = Color.Black; } }`

Correct Answers: A

39. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5. You create a composite custom control named `MyControl`. You need to add an instance of the `OrderFormData` control to the `MyControl` control. Which code segment should you use?

A: `protected override void CreateChildControls() { Controls.Clear(); OrderFormData oFData = new OrderFormData("OrderForm"); Controls.Add(oFData); }`

B: `protected override void RenderContents(HtmlTextWriter writer) { OrderFormData oFData = new OrderFormData("OrderForm"); oFData.RenderControl(writer); }`

C: `protected override void EnsureChildControls() { Controls.Clear(); OrderFormData oFData = new OrderFormData("OrderForm"); oFData.EnsureChildControls(); if (!ChildControlsCreated) CreateChildControls(); }`

D: protected override ControlCollection CreateControlCollection() { ControlCollection controls = new ControlCollection(this); OrderFormData oFData = new OrderFormData("OrderForm"); controls.Add(oFData); return controls;}

Correct Answers: A

40. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5.

You write the following code fragment. (Line numbers are included for reference only.)

```
01 <asp:RequiredFieldValidator
02 ID="rfValidator1" runat="server"
03 Display="Dynamic" ControlToValidate="TextBox1"
04
05 >
06
07 </asp:RequiredFieldValidator>
08
09 <asp:ValidationSummary DisplayMode="List"
10 ID="ValidationSummary1" runat="server" />
```

You need to ensure that the error message displayed in the validation control is also displayed in the validation summary list.

What should you do?

A: Add the following code segment to line 06. Required text in TextBox1

B: Add the following code segment to line 04. Text="Required text in TextBox1"

C: Add the following code segment to line 04. ErrorMessage="Required text in TextBox1"

D: Add the following code segment to line 04. Text="Required text in TextBox1" ErrorMessage="ValidationSummary1"

Correct Answers: C

41. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5. The application has a mobile Web form that contains the following ObjectList control.

```
<mobile:ObjectList ID="ObjectListCtrl"
OnItemCommand="ObjectListCtrl_ItemCommand"Runat="server">
    <Command Name="CmdDisplayDetails" Text="Details" />
    <Command Name="CmdRemove" Text="Remove" />
</mobile:ObjectList>
```

You create an event handler named ObjectListCtrl_ItemCommand. You need to ensure that the ObjectListCtrl_ItemCommand handler detects the selection of the CmdDisplayDetails item. Which code segment should you write?

A: public void ObjectListCtrl_ItemCommand(object sender, ObjectListCommandEventArgs e){ if (e.CommandName == "CmdDisplayDetails") { }}

B: public void ObjectListCtrl_ItemCommand(object sender, ObjectListCommandEventArgs e){ if (e.CommandArgument.ToString() == "CmdDisplayDetails") { } }

C: public void ObjectListCtrl_ItemCommand(object sender, ObjectListCommandEventArgs e){ ObjectListCommand cmd = sender as ObjectListCommand; if (cmd.Name == "CmdDisplayDetails") { } }

D: public void ObjectListCtrl_ItemCommand(object sender, ObjectListCommandEventArgs e){ ObjectListCommand cmd = e.CommandSource as ObjectListCommand; if (cmd.Name == "CmdDisplayDetails") { } }

Correct Answers: A

42. You create a Microsoft ASP.NET Web application by using the Microsoft .NET Framework version 3.5. The application contains the following device filter element in the Web.config file.

```
<filter name="isHtml" compare="PreferredRenderingType"
  argument="html32" />
```

The application contains a Web page that has the following image control. (Line numbers are included for reference only.)

01 <mobile:Image ID="imgCtrl" Runat="server">

02

03 </mobile:Image>

You need to ensure that the following conditions are met:

The imgCtrl Image control displays the highRes.jpg file if the Web browser supports html.

The imgCtrl Image control displays lowRes.gif if the Web browser does not support html.

Which DeviceSpecific element should you insert at line 02?

A: <DeviceSpecific> <Choice Filter="isHtml" ImageUrl="highRes.jpg" /> <Choice ImageUrl="lowRes.gif" /></DeviceSpecific>

B: <DeviceSpecific> <Choice Filter="isHtml" Argument="false" ImageUrl="highRes.jpg" /> <Choice Filter="isHtml" Argument="true" ImageUrl="lowRes.gif" /></DeviceSpecific>

C: <DeviceSpecific> <Choice Filter="PreferredRenderingType" ImageUrl="highRes.jpg" /> <Choice ImageUrl="lowRes.gif" /></DeviceSpecific>

D: <DeviceSpecific> <Choice Filter="PreferredRenderingType" Argument="false" ImageUrl="highRes.jpg" /> <Choice Filter="PreferredRenderingType" Argument="true" ImageUrl="lowRes.gif" /></DeviceSpecific>

Correct Answers: A

43. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5. You plan to capture the timing and performance information of the application. You need to ensure that the information is accessible only when the user is logged on to the Web server and not

on individual Web pages. What should you add to the Web.config file?

A: `<compilation debug="true" />`

B: `<compilation debug="false" urlLinePragmas="true" />`

C: `<trace enabled="true" pageOutput="false" localOnly="true" />`

D: `<trace enabled="true" writeToDiagnosticsTrace="true" pageOutput="true" localOnly="true" />`

Correct Answers: C

44. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5. When you access the application in a Web browser, you receive the following error message: "Service Unavailable". You need to access the application successfully. What should you do?

A: Start Microsoft IIS 6.0.

B: Start the Application pool.

C: Set the .NET Framework version.

D: Add the Web.config file for the application.

Correct Answers: B

45. You create a Microsoft ASP.NET AJAX application by using the Microsoft .NET Framework version 3.5. A JavaScript code segment in the AJAX application does not exhibit the desired behavior. Microsoft Internet Explorer displays an error icon in the status bar but does not prompt you to debug the script. You need to configure the Internet Explorer to prompt you to debug the script. Which two actions should you perform? (Each correct answer presents part of the solution. Choose two.)

A: Clear the Disable Script Debugging (Other) check box.

B: Clear the Disable Script Debugging (Internet Explorer) check box.

C: Select the Show friendly HTTP error messages check box.

D: Select the Enable third-party browser extensions check box.

E: Select the Display a notification about every script error check box.

Correct Answers: B, E

46. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5. The application has an ASPX page named ErrorPage.aspx. You plan to manage the unhandled application exceptions. You need to perform the following tasks: Display the ErrorPage.aspx page. Write the exception information in the Event log file. Which two actions should you perform? (Each correct answer presents part of the solution. Choose two.)

A: Add the following code fragment to the Web.config file. `<customErrors mode="On" defaultRedirect="ErrorPage.aspx" />`

B: Add the following code fragment to the Web.config file. `<customErrors mode="Off" defaultRedirect="ErrorPage.aspx" />`

C: Add the following code segment to the Global.asax file. `void Application_Error(object sender, EventArgs e){ Exception exc = Server.GetLastError(); //Write Exception details to event log}`

D: Add the following code segment to the ErrorPage.aspx file. void Page_Error(object sender, EventArgs e){ Exception exc = Server.GetLastError(); //Write Exception details to event log Server.ClearError();}

Correct Answers: A, C

47. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5. You plan to monitor the execution of the application at daily intervals. You need to modify the application configuration to enable WebEvent monitoring. What should you do?

A: Enable the Debugging in the Web site option in the ASP.NET configuration settings. Modify the Request Execution timeout to 10 seconds.

B: Register the aspnet_perf.dll performance counter library by using the following command. regsvr32 C:\WINDOWS\Microsoft.NET\Framework\v2.0.50727\aspnet_perf.dll

C: Add the following code fragment to the <healthMonitoring> section of the Web.config file of the application. <profiles> <add name="Default" minInstances="1" maxLimit="Infinite" minInterval="00:00:10" custom="" /></profiles>

D: Add the following code fragment to the <system.web> section of the Web.config file of the application. <healthMonitoring enabled="true" heartbeatInterval="10"> <rules> <add name="Heartbeats Default" eventName="Heartbeat" provider="EventLogProvider" profile="Critical"/> </rules></healthMonitoring>

Correct Answers: D

48. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5. You host the application on a server named ContosoTest that runs Microsoft IIS 6.0. You set up remote debugging on the ContosoTest server. You need to debug the application remotely from another computer named ContosoDev. What should you do?

A: Attach Microsoft Visual Studio.NET to the w3wp.exe process.

B: Attach Microsoft Visual Studio.NET to the inetinfo.exe process.

C: Attach Microsoft Visual Studio.NET to the Msvsmon.exe process.

D: Attach Microsoft Visual Studio.NET to the WebDev.WebServer.exe process.

Correct Answers: A

49. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5. The application contains two Web pages named OrderDetails.aspx and OrderError.htm. If the application throws unhandled errors in the OrderDetails.aspx Web page, a stack trace is displayed to remote users. You need to ensure that the OrderError.htm Web page is displayed for unhandled errors only in the OrderDetails.aspx Web page. What should you do?

A: Set the Page attribute for the OrderDetails.aspx Web page in the following manner. <%@ Page Language="C#" AutoEventWireup="true" CodeFile="OrderDetails.aspx.cs" Inherits="OrderDetails" %> Add the following section to the Web.config file. <customErrors mode="Off" defaultRedirect="OrderError.htm"></customErrors>

B: Set the Page attribute for the OrderDetails.aspx Web page in the following manner. <%@ Page

```
Language="C#"      AutoEventWireup="true"      CodeFile="OrderDetails.aspx.cs"
Inherits="OrderDetails" Debug="true" %> Add the following section to the Web.config file.
<customErrors mode="On" defaultRedirect="OrderError.htm">
```

C: Set the Page attribute for the OrderDetails.aspx Web page in the following manner. <%@ Page Language="C#" AutoEventWireup="true" CodeFile="OrderDetails.aspx.cs" Inherits="OrderDetails" ErrorPage="~/OrderError.htm" Debug="false" %> Add the following section to the Web.config file. <customErrors mode="On"></customErrors>

D: Set the Page attribute for the OrderDetails.aspx Web page in the following manner. <%@ Page Language="C#" AutoEventWireup="true" CodeFile="OrderDetails.aspx.cs" Inherits="OrderDetails" Debug="true" ErrorPage="~/OrderError.htm" %> Add the following section to the Web.config file. <customErrors mode="Off"></customErrors>

Correct Answers: C

50. You create a Microsoft ASP.NET application by using the Microsoft .NET Framework version 3.5.

You add the following code fragment to the Web.config file of the application (Line numbers are included for reference only).

```
01 <healthMonitoring>
02   <providers>
03     <add name="EventLogProvider"
04       type="System.Web.Management.EventLogWebEventProvider
05     />
06     <add name="WmiWebEventProvider"
07       type="System.Web.Management.WmiWebEventProvider
08     />
09   </providers>
10   <eventMappings>
11
12   </eventMappings>
13   <rules>
14     <add name="Security Rule" eventName="Security Event"
15       provider="WmiWebEventProvider" />
16     <add name="AppError Rule" eventName="AppError Event"
17       provider="EventLogProvider" />
18   </rules>19 </healthMonitoring>
```

You need to configure Web Events to meet the following requirements:

Security-related Web Events are mapped to Microsoft Windows Management Instrumentation (WMI) events.

Web Events caused by problems with configuration or application code are logged into the Windows Application Event Log.

Which code fragment should you insert at line 11?

A: `<add name="Security Event" type="System.Web.Management.WebAuditEvent"/><add name="AppError Event" type="System.Web.Management.WebRequestErrorEvent"/>`

B: `<add name="Security Event" type="System.Web.Management.WebAuditEvent"/><add name="AppError Event" type="System.Web.Management.WebErrorEvent"/>`

C: `<add name="Security Event" type="System.Web.Management.WebApplicationLifetimeEvent"/><add name="AppError Event" type="System.Web.Management.WebRequestErrorEvent"/>`

D: `<add name="Security Event" type="System.Web.Management.WebApplicationLifetimeEvent"/><add name="AppError Event" type="System.Web.Management.WebErrorEvent"/>`

Correct Answers: B