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Microsoft

70-515 PRACTICE EXAM

TS:Web Applications Development w/Microsoft .NET Frmwk 4 (C# and VB)

Question: 1

You are creating an ASP.NET Web site. The site has a master page named Custom.master. The code-behind file for Custom.master contains the following code segment.
Partial Public Class Custom Inherits System.Web.UI.MasterPage
Public Property Region As String
Protected Sub Page_Load(ByVal sender As Object, ByVal e As System.EventArgs) Handles Me.Load
End Sub
End Class
You create a new ASP.NET page and specify Custom.master as its master page.
You add a Label control named lblRegion to the new page.
You need to display the value of the master page's Region property in lblRegion.
What should you do?

A. Add the following code segment to the Page_Load method of the page code-behind file.
Dim custom As Custom = Me.Parent
lblRegion.Text = custom.Region
B. Add the following code segment to the Page_Load method of the page code-behind file.
Dim custom As Custom = Me.Master
lblRegion.Text = custom.Region
C. Add the following code segment to the Page_Load method of the Custom.Master.vb code-behind file.
Dim lblRegion As Label = Page.FindControl("lblRegion")
lblRegion.Text = Me.Region
D. Add the following code segment to the Page_Load method of the Custom.Master.vb code-behind file.
Dim lblRegion As Label = Master.FindControl("lblRegion")
lblRegion.Text = Me.Region

Answer: B

Explanation:
http://www.test4pass.com/70-515-exam.html
http://pdf.it-pruefungen.de/70-515.pdf
http://www.slideshare.net/bhupey/latest-70-515-exam-braindumps

Question: 2

You have created an ASP.NET server control named ShoppingCart for use by other developers. Some developers report that the ShoppingCart control does not function properly with ViewState disabled. You want to ensure that all instances of the ShoppingCart control work even if ViewState is disabled. What should you do?

A. Require developers to set EnableViewStateMac to true.
B. Store state in ControlState instead of ViewState.
C. Serialize the state into an Application state entry called "MyControl".
D. Require developers to change the session state mode to SQLServer.

Answer: B

Question: 3

You are implementing an ASP.NET Web site that will be accessed by an international audience. The site contains global and local resources for display elements that must be translated into the language that is selected by the user. You need to ensure that the Label control named lblCompany displays text in the users selected language from the global resource file. Which control markup should you use?

A. <asp:Label ID="lblCompany" runat="server"
meta:resourcekey="lblCompany" />
B. <asp:Label ID="lblCompany" runat="server"
Text="meta:lblCompany.Text" />
C. <asp:Label ID="lblCompany" runat="server"
Text="<%$ Resources:lblCompanyText %>" />
D. <asp:Label ID="lblCompany" runat="server"
Text="<%$ Resources:WebResources, lblCompanyText %>" />

Answer: D

Question: 4

You are developing an ASP.NET Web page that contains input controls, validation controls, and a button named btnSubmit. The page has the following code-behind. (Line numbers are included for reference only.)

```
01 Public Class _Default
02Inherits System.Web.UI.Page
03
04Protected Sub SaveToDatabase()
05
06End Sub
07
08Protected Sub btnSubmit_Click(ByVal sender As Object,
09 ByVal e As EventArgs) Handles btnSubmit.Click
10
11End Sub
12
13 End Class
```

You need to ensure that all data that is submitted passes validation before the data is saved in a database. What should you do?

A. Add the following method override.
Protected Overrides Sub OnInit(ByVal e As EventArgs)
MyBase.OnInit(e)
If (Page.IsValid) Then Me.SaveToDatabase()
End Sub
B. Add the following method override.
Protected Overrides Sub OnLoad(ByVal e As EventArgs)
MyBase.OnLoad(e)
If (Page.IsValid) Then Me.SaveToDatabase()
End Sub
C. Add the following method override.
Protected Overrides Sub OnPreRender(ByVal e As EventArgs)

MyBase.OnPreRender(e)
If (Page.IsValid) Then Me.SaveToDatabase()
End Sub
D. Add the following code segment at line 10.
If (Page.IsValid) Then Me.SaveToDatabase()

Answer: D

Question: 5

You are implementing an ASP.NET application that uses data-bound GridView controls in multiple pages. You add JavaScript code to periodically update specific types of data items in these GridView controls. You need to ensure that the JavaScript code can locate the HTML elements created for each row in these GridView controls, without needing to be changed if the controls are moved from one page to another. What should you do?

A. Replace the GridView control with a ListView control.
B. Set the ClientIDMode attribute to Predictable in the web.config file.
C. Set the ClientIDRowSuffix attribute of each unique GridView control to a different value.
D. Set the @ OutputCache directives VaryByControl attribute to the ID of the GridView control.

Answer: C

Question: 6

You are developing an ASP.NET Web application. You create a master page. The master page requires a region where you can add page-specific content by using the ASP.NET page designer. You need to add a control to the master page to define the region. Which control should you add?

A. Content
B. ContentPlaceHolder
C. PlaceHolder
D. Substitution

Answer: B

Explanation:
http://www.scribd.com/selftestengine/d/58942161-MICROSOFT-70-515CSHARP
http://content.yudu.com/Library/A1sxix/BeITCertifiedMicroso/resources/3.htm
http://freedownload.is/pdf/sample-exam-70-515-pdf-questions-790464.html

Question: 7

You create an ASP.NET page named TestPage.aspx that contains validation controls. You need to verify that all input values submitted by the user have been validated by testing the Page.IsValid property. Which page event should you add an event handler to?

A. Init
B. Load
C. PreInit

D. PreLoad

Answer: B

Question: 8

You are developing an ASP.NET Web application.Application data is stored in a Microsoft SQL Server 2008 database. You configure a connection string named cnnContoso. The application must cache the data that is returned from the database by using this connection string. You need to ensure that the application checks the database every 10 seconds. What should you do?

A. Add the following configuration to the <system.web> section of the web.config file.
<caching>
<outputCacheSettings>
<outputCacheProfiles>
<add name="cnnContoso"
duration="10" />
</outputCacheProfiles>
</outputCacheSettings>
</caching>
B. Add the following configuration to the <system.web> section of the web.config file.
<caching>
<sqlCacheDependency enabled="true" pollTime="10000">
<databases>
<add name="ContosoDatabase"
connectionStringName="cnnContoso" />
</databases>
</sqlCacheDependency>
</caching>
C. Add the following @ Page directive to pages that query the database.
<%@ OutputCache Duration="10"
VaryByParam="cnnContoso" %>
D. Add the following @ Page directive to pages that query the database.
<%@ OutputCache Duration="10000"
VaryByParam="cnnContoso" %>

Answer: B

Question: 9

You are troubleshooting an ASP.NET Web application. System administrators have recently expanded your web farm from one to two servers. Users are periodically reporting an error message about invalid view state. You need to fix the problem. What should you do?

A. Set viewStateEncryptionMode to Auto in web.config on both servers.
B. Set the machineKey in machine.config to the same value on both servers.
C. Change the session state mode to SQLServer on both servers and ensure both servers use the same connection string.
D. Override the SavePageStateToPersistenceMedium and LoadPageStateFromPersistenceMedium methods in the page base class to serialize the view state to a local web server file.

Answer: B

Question: 10

You are implementing an ASP.NET application that includes a page named TestPage.aspx. TestPage.aspx uses a master page named
TestMaster.master.
You add the following code to the TestPage.aspx code-behind file to read a TestMaster.master public property named CityName.
Protected Sub Page_Load(ByVal sender As Object,
ByVal e As System.EventArgs) Handles Me.Load
Dim s As String = Master.CityName
End Sub
You need to ensure that TestPage.aspx can access the CityName property. What should you do?

A. Add the following directive to TestPage.aspx.
<%@ MasterType VirtualPath="~/TestMaster.master" %>
B. Add the following directive to TestPage.aspx.
<%@ PreviousPageType VirtualPath="~/TestMaster.master" %>
C. Set the Strict attribute in the @ Master directive of the TestMaster.master page to true.
D. Set the Explicit attribute in the @ Master directive of the TestMaster.master page to true.

Answer: A

Question: 11

You create a new ASP.NET MVC 2 Web application. The following default routes are created in the Global.asax.vb file. (Line numbers are included for reference only.)
01 Shared Sub RegisterRoutes(ByVal routes As RouteCollection)
02
03 routes.IgnoreRoute("{resource}.axd/{*pathInfo}")
04
05 routes.MapRoute(
"Default",
"{controller}/{action}/{id}",
New With {.controller = "Home", .action = "Index", .id = ""}
)
06 End Sub
You implement a controller named HomeController that includes methods with the following signatures.
Function Index() As ActionResult
Function Details(ByVal id As Integer) As ActionResult
Function DetailsByUsername(
ByVal username As String) As ActionResult
You need to add a route to meet the following requirements.
• The details for a user must be displayed when a user name is entered as the path by invoking the DetailsByUsername action.
• User names can contain alphanumeric characters and underscores, and can be between 3 and 20 characters long.
What should you do?

A. Replace line 05 with the following code segment.
routes.MapRoute("Default", "{controller}/{action}/{id}", New With {.controller = "Home", .action = "DetailsByUsername",.id = ""})
B. Replace line 05 with the following code segment.
routes.MapRoute("Default", "{controller}/{action}/{username}", New With {.controller = "Home", .action = "DetailsByUsername", .username = ""},New With {.username = "\w{3,20}"})
C. At line 04, add the following code segment.
routes.MapRoute("Details by Username","{username}", New With {.controller = "Home", .action = "DetailsByUsername"}, New With {.username = "\w{3,20}"})
D. At line 04, add the following code segment.
routes.MapRoute("Details by Username", "{id}", New With {.controller = "Home", .action = "DetailsByUsername"},New With {.id = "\w{3,20}"})

Answer: C

Question: 12

You are implementing an ASP.NET MVC 2 Web application that contains several folders.
The Views/Shared/DisplayTemplates folder contains a templated helper named Score.ascx that performs custom formatting of integer values.
The Models folder contains a class named Player with the following definition.
Public Class Player
Public Property Name As String
Public Property LastScore As Integer
Public Property HighScore As Integer
End Class
You need to ensure that the custom formatting is applied to LastScore values when the HtmlHelper.DisplayForModel method is called for any view in the application that has a model of type Player. What should you do?

A. Rename Score.ascx to LastScore.ascx.
B. Move Score.ascx from the Views/Shared/DisplayTemplates folder to the Views/Player/DisplayTemplates folder.
C. Add the following attribute to the LastScore property.
<UIHint("Score")>
D. Add the following attribute to the LastScore property.
<Display(Name:="LastScore", ShortName:="Score")>

Answer: C

Question: 13

You are implementing an ASP.NET MVC 2 application. In the Areas folder, you add a subfolder named Product to create a single project area.
You add files named ProductController.vb and Index.aspx to the appropriate subfolders.
You then add a file named Route.vb to the Product folder that contains the following code. (Line numbers are included for reference only.)
01 Public Class Route
Inherits AreaRegistration
02
03 Public Overrides ReadOnly Property AreaName As String
04 Get

```
05 Return "product"
06 End Get
07 End Property
08
09 Public Overrides Sub RegisterArea(
ByVal context As AreaRegistrationContext)
10
11 context.MapRoute("product_default",
"product/{controller}/{action}/{id}",
New With {.controller = "Product", .action = "Index",
.id = ""})
12
13 End Sub
End Class
```

When you load the URL Error! Hyperlink reference not valid./product, you discover that the correct page is not returned. You need to ensure that the correct page is returned. What should you do?

A. Replace line 11 with the following code segment.

```
context.MapRoute("product_default",
"{area}/{controller}/{action}/{id}",
New With {.area = "product", .controller = "Product",
.action = "Index", .id = ""})
```

B. Replace line 11 with the following code segment.

```
context.MapRoute("product_default",
"{area}",
New With {.controller = "Product", .action = "Index", .id = ""})
```

C. Add the following code segment at line 12.

```
AreaRegistration.RegisterAllAreas()
```

D. Add the following code segment to the RegisterRoutes method in the Global.asax.vb file.

```
AreaRegistration.RegisterAllAreas()
```

Answer: D

Question: 14

You are implementing an ASP.NET MVC 2 Web application that contains the following class.

```
Public Class DepartmentController
Inherits Controller
Shared departments As List(Of Department) =
New List(Of Department)
Function Index() As ActionResult
Return View(departments)
End Function
Function Details(ByVal id As Integer) As ActionResult
Return View(departments.Find(Function(x) x.ID = id))
End Function
Function ListEmployees(ByVal d As Department) As ActionResult
Dim employees As List(Of Employee) = GetEmployees(d)
Return View (employees)
End Function
End Class
```

You create a strongly typed view that displays details for a Department instance. You want the view to also include a listing of department employees. You need to write a code segment that will call the ListEmployees action method and output the results in place. Which code segment should you use?

A. <%= Html.Action("ListEmployees", Model) %>
B. <%= Html.ActionLink("ListEmployees", "Department",
"DepartmentController") %>
C. <% Html.RenderPartial("ListEmployees", Model) %>
D. <%= Html.DisplayForModel("ListEmployees") %>

Answer: A

Explanation:
Html.Action(string, object) invokes a child action method and returns the result as an HTML string.
ChildActionExtensions.Action Method
(http://msdn.microsoft.com/en-s/library/system.web.mvc.html.childactionextensions.action.aspx)
Html.DisplayForModel() Method returns HTML markup for each property in the model.
Html.DisplayForModel(string, object) Method returns HTML markup for each property in the model, using the specified template and additional view data.
RenderPartialExtensions.RenderPartial Method
(http://msdn.microsoft.com/en-us/library/system.web.mvc.html.renderpartialextensions.renderpartial.aspx)
The ActionLink method renders an element that links to an action method.
LinkExtensions.ActionLink Method
(http://msdn.microsoft.com/en-us/library/system.web.mvc.html.linkextensions.actionlink.aspx)

Question: 15

You are developing an ASP.NET MVC 2 Web application.
A page makes an AJAX request and expects a list of company names in the following format.
["Adventure Works","Contoso"]
You need to write an action method that returns the response in the correct format.
Which type should you return from the action method?

A. AjaxHelper
B. XDocument
C. JsonResult
D. DataContractJsonSerializer

Answer: C

Question: 16

You are developing an ASP.NET MVC 2 Web application. The application contains a controller named HomeController, which has an action named Index. The application also contains a separate area named Blog.A view within the Blog area must contain an ActionLink that will link to the Index action of the HomeController. You need to ensure that the ActionLink in the Blog area links to the Index action of the HomeController. Which ActionLink should you use?

A. Html.ActionLink("Home", "Index", "Home")
B. Html.ActionLink("Home", "Index", "Home", New With {.area = ""}, Nothing)
C. Html.ActionLink("Home", "Index", "Home", New With {.area = "Blog"}, Nothing)

D. Html.ActionLink("Home", "Index", "Home", New With {.area = "Home"}, Nothing)

Answer: B

Question: 17

You are implementing an ASP. NET MVC 2 Web application.
You add a controller named CompanyController.
You need to modify the application to handle the URL path /company/info.
Which two actions should you perform? (Each correct answer presents part of the solution. Choose two.)

A. Add the following method to the CompanyController class.
Function Info () As ActionResult
Return View()
End Function
B. Add the following method to the CompanyController class.
Function Company_Info() As ActionResult
Return View()
End Function
C. Right-click the Views folder, and select View from the Add submenu to create the view for the action.
D. Right-click inside the action method in the CompanyController class, and select Add View to create a view for the action.

Answer: A, D

Explanation:
CHAPTER 14 Creating Websites with ASP.NET MVC 2
Lesson 2: Creating Models, Views, and Controllers
Creating Controllers, Creating Views (page 851-857)

Question: 18

You are creating an ASP.NET Web site. You create a HTTP module named CustomModule, and you register the module in the web.config file. The CustomModule class contains the following code.
Public Class CustomModule
Implements IHttpModule
Dim footerContent As String = " Footer Content "
Public Sub Dispose() Implements IHttpModule.Dispose
End Sub
End Class
You need to add code to CustomModule to append the footer content to each processed ASP.NET page.
Which code segment should you use?

A. Public Sub New(ByVal app As HttpApplication)
AddHandler app.EndRequest, AddressOf app_EndRequest
End Sub
Sub app_EndRequest(ByVal sender As Object, ByVal e As EventArgs)
Dim app As HttpApplication = TryCast(sender, HttpApplication)
app.Response.Write(footerContent)
End Sub

B. Public Sub Init(ByVal app As HttpApplication) _ Implements IHttpModule.Init
AddHandler app.EndRequest, AddressOf app_EndRequest
End Sub
Sub app_EndRequest(ByVal sender As Object, ByVal e As EventArgs)
Dim app As HttpApplication = New HttpApplication()
app.Response.Write(footerContent)
End Sub
C. Public Sub New()
Dim app As HttpApplication = New HttpApplication()
AddHandler app.EndRequest, AddressOf app_EndRequest
End Sub
Sub app_EndRequest(ByVal sender As Object, ByVal e As EventArgs)
Dim app As HttpApplication = TryCast(sender, HttpApplication)
app.Response.Write(footerContent)
End Sub
D. Public Sub Init(ByVal app As HttpApplication) _Implements IHttpModule.Init
AddHandler app.EndRequest, AddressOf app_EndRequest
End Sub
Sub app_EndRequest(ByVal sender As Object, ByVal e As EventArgs)
Dim app As HttpApplication = TryCast(sender, HttpApplication)
app.Response.Write(footerContent)
End Sub

Answer: B

Question: 19

You are implementing an ASP.NET Web site. The root directory of the site contains a page named Error.aspx. You need to display the Error.aspx page if an unhandled error occurs on any page within the site. You also must ensure that the original URL in the browser is not changed. What should you do?

A. Add the following configuration to the web.config file.
<system.web>
<customErrors mode="On">
<error statusCode="500" redirect="~/Error.aspx" />
</customErrors>
</system.web>
B. Add the following configuration to the web.config file.
<system.web>
<customErrors redirectMode="ResponseRewrite"
mode="On" defaultRedirect="~/Error.aspx" />
</system.web>
C. Add the following code segment to the Global.asax file.
Sub Application_Error(ByVal sender As Object, ByVal e As EventArgs)
Response.Redirect("~/Error.aspx")
End Sub
D. Add the following code segment to the Global.asax file.
Protected Sub Page_Load(ByVal sender As Object,
ByVal e As System.EventArgs) Handles Me.Load
Server.Transfer("~/Error.aspx")
End Sub

Answer: B

Question: 20

You are implementing an ASP.NET Web application. Users will authenticate to the application with an ID.The application will allow new users to register for an account. The application will generate an ID for the user based on the users full name. You need to implement this registration functionality. Which two actions should you perform? (Each correct answer presents part of the solution. Choose two.)

A. Configure the SqlMembershipProvider in the web.config file.
B. Configure the SqlProfileProvider in the web.config file.
C. Create an ASP.NET page that contains a default CreateUserWizard control to create a new user account.
D. Create an ASP.NET page that contains a custom form that collects the user information and then uses the Membership.CreateUser method to create a new user account.

Answer: A, D

Explanation:
CHAPTER 13 Implementing User Profiles, Authentication, and Authorization
Lesson 1: Working with User Profiles
SqlMembershipProvider Class (http://msdn.microsoft.com/en-us/library/system.web.security.sqlmembershipprovider.aspx)

Question: 21

You deploy an ASP.NET application to an IIS server. You need to log health-monitoring events with severity level of error to the Windows application event log. What should you do?

A. Run the aspnet_regiis.exe command.
B. Select the Treat all warnings as errors option in the project properties and recompile.
C. Add the following rule to the healthMonitoring section of the web.config file.
<rules><add name="Failures"eventName="Failure Audits"provider="EventLogProvider" />
</rules>
D. Add the following rule to the healthMonitoring section of the web.config file.
<rules><add name="Errors"eventName="All Errors"provider="EventLogProvider" />
</rules>

Answer: D

Question: 22

You are creating an ASP.NET Web site. The site is configured to use Membership and Role management providers. You need to check whether the currently logged-on user is a member of a role named Administrators. Which code segment should you use?

A. Dim isMember As Boolean =
Roles.GetUsersInRole ("Administrators").Any()
B. Dim isMember As Boolean =

Membership.ValidateUser (User.Identity.Name , "Administrators")
C. Dim isMember As Boolean =
Roles.GetRolesForUser ("Administrators").Any ()
A. Dim isMember As Boolean = User.IsInRole ("Administrators")

Answer: D

Question: 23

You are creating an ASP.NET Web application.The application must call a WCF service by using a WCF routing service. You need to ensure that the application can invoke the target service by using the router endpoint. What should you do?

A. Add a service reference to the router service. In the client binding configuration, specify the address of the router service.
B. Add a service reference to the target service. In the client binding configuration, specify the address of the target service.
C. Add a service reference to the router service. In the client binding configuration, specify the address of the target service.
D. Add a service reference to the target service. In the client binding configuration, specify the address of the router service.

Answer: D

Question: 24

You are deploying an ASP.NET Web application to a remote server. You need to choose a deployment method that will ensure that all IIS settings, in addition to the Web content, will deploy to the remote server. Which deployment method should you choose?

A. the XCOPY command-line tool
B. the Copy Web Site tool
C. the Web Deployment tool
D. the Publish Web Site utility

Answer: C

Question: 25

You use the ASP.NET Web Application template to create an application in a new Visual Studio solution. The project uses types that are defined in a class library project.Source code for the class library is frequently modified. You need to ensure that classes in the Web application project always reference the most recent version of the class library types. What should you do?

A. Add the class library project to the solution. Modify the class library project to add a reference to the Web application project.
B. Add the class library project to the solution. Modify the Web application project to add a reference to the class library project.
C. Add a post-build step to the Web application project that copies the most recent version of the class library

assembly to the bin folder of the Web application.
D. Add a post-build step to the class library project that copies the most recent version of the class library assembly to the App_Code folder of the Web application. In the <compilation /> section of the web.config file, add an <assembly /> entry that specifies the location of the class library assembly.

Answer: B

Question: 26

You are developing an ASP.NET Web page.
The page contains the following markup.

```
<asp:GridView ID="gvModels" runat="server"
onrowdatabound="gvModels_RowDataBound"
AutoGenerateColumns="false">
<Columns>
<asp:BoundField DataField="Name" HeaderText="Model" />
<asp:TemplateField>
<ItemTemplate>
<asp:Image ID="img" runat="server" />
</ItemTemplate>
</asp:TemplateField>
</Columns>
</asp:GridView>
```

The pages code-behind file includes the following code segment. (Line numbers are included for reference only.)

```
01 Private Sub gvModels_RowDataBound(ByVal sender As Object, _
02  ByVal e As GridViewRowEventArgs) _
03  Handles gvModels.RowDataBound
04If (e.Row.RowType = DataControlRowType.DataRow) Then
05Dim cm As CarModel =
06 DirectCast(e.Row.DataItem, CarModel)
07
08img.ImageUrl =
09 String.Format("images/{0}.jpg", cm.ID)
10
11  End If
12 End Sub
```

You need to get a reference to the Image named img.
Which code segment should you add at line 07?

A. Dim img As Image =
DirectCast(Page.FindControl("img"), Image)
B. Dim img As Image =
DirectCast(e.Row.FindControl("img"), Image)
C. Dim img As Image =
DirectCast(gvModels.FindControl("img"), Image)
D. Dim img As Image =
DirectCast(Page.Form.FindControl("img"), Image)

Answer: B

Question: 27

You use the following declaration to add a Web user control named TestUserControl.ascx to an ASP.NET page named TestPage.aspx.
<uc:TestUserControl ID="testControl" runat="server"/>
You add the following code to the code-behind file of TestPage.aspx.
Private Sub TestMethod()
End Sub
You define the following delegate.
Public Delegate Sub MyEventHandler()
You need to add an event of type MyEventHandler named MyEvent to TestUserControl.ascx and attach the pages TestMethod method to the event. Which two actions should you perform? (Each correct answer presents part of the solution. Choose two.)

A. Add the following line of code to TestUserControl.ascx.vb.
Public Event MyEvent As MyEventHandler
B. Add the following line of code to TestUserControl.ascx.vb.
Public MyEvent As MyEventHandler
C. Replace the TestUserControl.ascx reference in TestPage.aspx with the following declaration.
<uc:TestUserControl ID="testControl" runat="server"
OnMyEvent="TestMethod"/>
D. D. Replace the TestUserControl.ascx reference in TestPage.aspx with the following declaration.
<uc:TestUserControl ID="testControl" runat="server"
MyEvent="TestMethod"/>

Answer: A, C

Explanation:
CHAPTER 7 Creating Custom Web Controls
Lesson 1: Creating User Controls
Defining User Control Events (page 333-337)

Question: 28

You are implementing an ASP.NET page that includes a text box. You need to validate values that are typed by users to ensure that only numeric values are submitted. Which control markup should you use?

A. <asp:TextBox ID="txt1" runat="server"
CausesValidation="true"
ValidationGroup="Numeric" />
B. <asp:TextBox ID="txt1" runat="server"
EnableClientScript="true"
ValidationGroup="Numeric" />
C. <asp:TextBox ID="txt1" runat="server" />
<asp:RegularExpressionValidator ID="val1"
runat="server"
ControlToValidate="txt1"
ValidationExpression="[0-9]*"
ErrorMessage="Invalid input value" />
D. <asp:TextBox ID="txt1" runat="server" />

<asp:RegularExpressionValidator ID="val1"
EnableClientScript="true"
ControlToValidate="txt1"
ValidationExpression="[0-9]*"
ErrorMessage="Invalid input value" />

Answer: C

Explanation:
JavaScript executes as users enter and leave the focus of the controls on your page. Client-side validation is turned on by default. You can turn it off for specific validation controls by setting the EnableClientScript property to false.
CHAPTER 5 Input Validation and Site Navigation
Lesson 1: Performing Input Validation
Client-Side Validation (page 231)

Question: 29

You are implementing an ASP.NET Web site that uses a custom server control named Task. Task is defined as shown in the following list.
• Class name: Task
• Namespace: DevControls
• Assembly: TestServerControl.dll
• Base class: System.Web.UI.WebControls.WebControl
You copy TestServerControl.dll to the Web sites Bin folder.
You need to allow the Task control to be declaratively used on site pages that do not contain an explicit @ Register directive.
Which configuration should you add to the web.config file?

A. <appSettings>
<add key="Dev:Task"
value="DevControls, DevControls.Task"/>
</appSettings>
B. <compilation targetFramework="4.0" explicit="false">
<assemblies>
<add assembly="TestServerControl" />
</assemblies>
</compilation>
C. <pages>
<controls>
<add assembly="TestServerControl" namespace="DevControls"
tagPrefix="Dev"/>
</controls>
</pages>
D. <pages>
<tagMapping>
<add tagType="System.Web.UI.WebControls.WebControl"
mappedTagType="DevControls.Task"/>
</tagMapping>
</pages>

Answer: C

Explanation:
CHAPTER 7 Creating Custom Web Controls
Lesson 2: Creating Custom Web Server Controls
Registering Your Controls in Web.config (page 378-379)

Question: 30

You are implementing an ASP.NET Web page. You need to add a text box that allows only values between 1 and 10, inclusive, to be submitted. Which two code segments should you use? (Each correct answer presents part of the solution. Choose two.)

A. <script type="text/javascript">
function validate_value(obj, args) {
return
(args.Value >= 1 && args.Value <= 10);
}
</script>
B. <script type="text/javascript">
function validate_value(obj, args) {
args.IsValid =
(args.Value >= 1 && args.Value <= 10);
}
</script>
C. <asp:TextBox ID="txt1" runat="server" />
<asp:CustomValidator ID="val1" runat="server"
ControlToValidate="txt1"
ClientValidationFunction="validate_value"
ErrorMessage="Value invalid" />
D. <asp:TextBox ID="txt1" runat="server" onChange="validate_value(this, args)" />

Answer: B, C

Explanation:
CHAPTER 5 Input Validation and Site Navigation
Lesson 1: Performing Input Validation
The CustomValidator Control

Question: 31

You are implementing a Web page that allows users to upload files to a Web server. The page includes a form that has a Submit button. You need to reject files larger than 1 MB. What should you do?

A. Add an HTML input type= file control. Add an onSubmit handler to the form to check the file size and cancel the form submission if the file size is too large.
B. Add an HTML input type= file control. Add an onChange handler to the input control to check the file size and cancel the upload if the file size is too large.
C. Add an ASP.NET FileUpload control and configure it to run on the server. Add a server-side OnClick handler to the form's Submit button to save the file only if the file size is allowed.

D. Add an ASP.NET FileUpload control and configure it to run on the server. Add a server-side OnDataBinding handler that saves the file only if the file size is allowed.

Answer: C

Question: 32

You are developing an ASP.NET Web page.
You add the following markup to the page.

```
<asp:FileUpload id="FileUpload1" runat="server" />
<asp:Button id="btnUpload" Text="Upload selected file"
OnClick="btnUpload_Click" runat="server" />
<asp:Label id="lblFeedback" runat="server" />
```

You add the following code segment to the code-behind. (Line numbers are included for reference only.)

```
01 Protected Sub btnUpload_Click(ByVal sender As Object,
02  ByVal e As EventArgs) Handles btnUpload.Click
03If () Then
04Dim saveName As String =
05 Path.Combine("c:\uploadedfiles\",
06 FileUpload1.FileName)
07
08lblFeedback.Text = "File successfully uploaded."
09Else
10lblFeedback.Text = "File upload failed."
11End If
12
13 End Sub
```

You need to save the uploaded file and display a message to the user that indicates that the upload either succeeded or failed. Which two actions should you perform? (Each correct answer presents part of the solution. Choose two.)

A. Replace line 03 with the following code segment.
`If (FileUpload1.HasFile) Then`
B. Replace line 03 with the following code segment.
`If (FileUpload1.FileContent.Length > 0) Then`
C. Insert the following code segment at line 07.
`FileUpload1.SaveAs(saveName)`
D. Insert the following code segment at line 07.

```
FileUpload1.FileContent.CopyTo(
New FileStream(saveName, FileMode.Open))
```

Answer: A, C

Explanation:
CHAPTER 4 Using Server Controls
Lesson 2: Exploring Specialized Server Controls
The FileUpload Control (page 202-204)

Question: 33

You create a Web page named TestPage.aspx and a user control named TestUserControl. ascx. TestPage.aspx uses

TestUserControl.ascx as shown in the following line of code.
<uc:TestUserControl ID="testControl" runat="server"/>
On TestUserControl.ascx, you need to add a read-only member named CityName to return the value "New York".
You also must add code to TestPage.aspx to read this value.
Which two actions should you perform? (Each correct answer presents part of the solution. Choose two.)

A. Add the following line of code to the TestUserControl.ascx.vb code-behind file.
Public ReadOnly Property CityName As String
Get
Return "New York"
End Get
End Property
B. Add the following line of code to the TestUserControl.ascx.vb code-behind file.
Protected ReadOnly CityName As String = "New York"
C. Add the following code segment to the TestPage.aspx.vb code-behind file.
Protected Sub Page_Load(ByVal sender As Object,
ByVal e As System.EventArgs) Handles Me.Load
Dim s As String = testControl.CityName
End Sub
D. Add the following code segment to the TestPage.aspx.vb code-behind file.
Protected Sub Page_Load(ByVal sender As Object,
ByVal e As System.EventArgs) Handles Me.Load
Dim s As String = testControl.Attributes("CityName")
End Sub

Answer: A, C

Explanation:
CHAPTER 7 Creating Custom Web Controls
Lesson 1: Creating User Controls
Defining Properties in User Controls (page 337-339)

Question: 34

You are developing an ASP.NET MVC 2 application. A view contains a form that allows users to submit their first name. You need to display the value that is submitted, and you must ensure that your code avoids cross-site scripting. Which code segment should you use?

A. <%: Model.FirstName%>
B. <%= Model.FirstName %>
C. <% Response.Write(Model.FirstName)%>
D. <% Response.Write(HttpUtility.HtmlDecode(Model.FirstName))%>

Answer: A

Explanation:
CHAPTER 14 Creating Websites with ASP.NET MVC 2
Lesson 2: Creating Models, Views, and Controllers
Creating Views - Creating Strongly Typed Views (page 859)

Question: 35

You are implementing an ASP.NET AJAX page.
You add two UpdatePanel controls named pnlA and pnlB. pnlA contains an UpdatePanel control named pnlAInner in its content template.
You have the following requirements.
Update panels pnlA and pnlB must refresh their content only when controls that they contain cause a postback.
Update panel pnlAInner must refresh its content when controls in either pnlA or pnlB or pnlAInner cause a postback.
You need to configure the panels to meet the requirements.
What should you do?

A. Set the UpdateMode of pnlA and pnlB to Conditional.
Set the UpdateMode of pnlAInner to Always.
B. Set the UpdateMode of pnlA and pnlB to Conditional.
Set the UpdateMode of pnlAInner to Conditional, and add AsyncPostBackTrigger elements to its Triggers element for every control in pnlA.
C. Set the UpdateMode of pnlA and pnlB to Always.
Set the UpdateMode of pnlAInner to Conditional.
D. Set the UpdateMode of pnlA and pnlB to Always.
Set the UpdateMode of pnlAInner to Always, and add AsyncPostBackTrigger elements to its Triggers element for every control in pnlB.

Answer: A

Question: 36

A Web service returns a list of system users in the following format.

```
<?xml version="1.0" ?>
<users>
<user id="first">
<name>Name of first user</name>
<email>first@contoso.com</email>
</user>
<user id="second">
<name>Name of second user</name>
<email>second@contoso.com</email>
</user>
</users>
```

You need to populate a drop-down menu with the IDs and names of the users from the Web service, in the order provided by the service.
Which code segment should you use?

A.

```
$.ajax({
type: "GET",
url: serviceURL,
success: function(xml) {
$.each($(xml), function(i, item) {
$("<option>").attr("value", id)
.text(tx).appendTo("#dropdown");
});
```

```
}
});
B. $.ajax({
type: "GET",
url: serviceURL,
success: function(xml) {
$(xml).find("user").each(function() {
var id = $(this).id;
var tx = $(this).name.text;
$("<option>").attr("value", id)
.text(tx).appendTo("#dropdown");
});
}
});
C. $.ajax({
type: "GET",
url: serviceURL,
success: function(xml) {
$(xml).find("user").each(function() {
var id = $(this).attr("id");
var tx = $(this).find("name").text();
$("<option>").attr("value", id)
.text(tx).appendTo("#dropdown");
});
}
});
D. $.ajax({
type: "GET",
url: serviceURL,
success: function(xml) {
xml.find("user").each(function(node) {
var id = $(node).attr("id");
var tx = $(node).find("name").text();
$("<option>").attr("value", id)
.text(tx).appendTo("#dropdown");
});
}
});
```

Answer: C

Explanation:
.each() function
(http://api.jquery.com/each/)
CHAPTER 9 Working with Client-Side Scripting, AJAX, and jQuery
Lesson 3: Implementing jQuery
Implementing AJAX with jQuery

Question: 37

You create a Web page that contains the following div.

You have a JavaScript array named imageurls that contains a list of image URLs.
You need to write a JavaScript function that will insert images from the URLs into target.
Which code segment should you use?

A. $(imageurls).each(function(i,url){
$("<img/>", url).append("#target");
});
B. $(imageurls).each(function(i,url){
$("#target") += $("<img/>").attr("src", url);
});
C. $.each(imageurls, function(i,url){
$("<img/>").attr("src", url).appendTo("#target");
});
D. $.each(imageurls, function(i,url){
$("#target").append("<img/>").src = url;
});

Answer: C

Explanation:
.appendTo() Method
(http://api.jquery.com/appendTo/)
jQuery.each() Function
(http://api.jquery.com/jQuery.each/)

Question: 38

You create a Web page that contains the following image element.

You need to write a JavaScript function that will dynamically change which image is displayed. The function must be compatible across different browsers. Which code segment should you use?

A. function changeImage() {
myImage.src = "image2.png";
}
B. function changeImage() {
document.getElementById("myImage").src =
"image2.png";
}
C. function changeImage() {
getElementById("myImage").src =
"image2.png";
}
D. function changeImage() {
window.getElementById("myImage").src =
"image2.png";
}

Answer: B

Question: 39

You are developing an ASP.NET Web page. You add a data-bound GridView control. The GridView contains a TemplateField that includes a DropDownList. You set the GridViews ClientIDMode property to Static, and you set the ClientIDRowSuffix property to ProductID. You need to be able to reference individual DropDownList controls from client-side script by using the ProductID. What should you set the ClientIDMode property of the DropDownList to?

A. AutoID
B. Static
C. Inherit
D. Predictable

Answer: D

Explanation:
http://www.scribd.com/doc/63120741/35/Question-39
http://anandpandey.com/Certification/70-515/DisplayingandManipulatingData.aspx
http://mcpd.somee.com/515/515.htm

Question: 40

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

```
01  <script>
02 function changeColor(c) {
03 document.getElementById("message").style.color=c;
04 }
05  </script>
06
07  <p id="message">Welcome!</p>
08  <ul id="color">
09 <li>Black</li>
10 <li>Red</li>
11  </ul>
```

You need to ensure that when the user clicks an item in the list, the text color of the Welcome! message will change. Which declaration should you use?

A. <ul id="color">
<li onclick="changeColor(this.innerText);">Black
<li onclick="changeColor(this.innerText);">Red

B. <ul id="color">
<li onclick="changeColor(this.style.color);">Black
<li onclick="changeColor(this.style.color);">Red

C. <ul id="color">
Red
Black

D. <ul id="color">
Red
Black

Answer: A

Question: 41

You create a Web page that contains drop-down menus that are defined by using div tags in the following code.

Menu One

Item One
Item Two

Menu Two

Item Three
Item Four

You need to write a JavaScript function that will enable the drop-down menus to activate when the user positions the mouse over the menu title. Which code segment should you use?

A. $(".dropdown-menu").hover(
function () {
$(".menu-items"). slideDown (100);
},
function () {
$(".menu-items"). slideUp (100);
}
);
B. $(".dropdown-menu").hover(
function () {
$(".menu-items", this). slideDown (100);
},
function () {
$(".menu-items", this). slideUp (100);
}
);
C. $(".dropdown-menu").hover(
function () {
$(this). slideDown (100);.
},
function () {
$(this). slideUp (100);
}
);

```
D. $(".dropdown-menu").hover(
function () {
$(this, ".menu-title"). slideDown (100);
},
function () {
$(this, ".menu-title"). slideUp (100);
}
);
```

Answer: B

Explanation:
.hover() function
(http://api.jquery.com/hover/)

Question: 42

You are implementing an ASP.NET AJAX page that contains two div elements. You need to ensure that the content of each div element can be refreshed individually, without requiring a page refresh. What should you do?

A. Add a form, an update panel, and a script manager to the page. Add a content template to the update panel. Move the div elements into the content template.
B. Add two forms to the page. Add a script manager and an update panel to each form. Add a content template to each update panel, and move each div element into a content template.
C. Add a form and two update panels to the page. Add a script manager to the form. Add a content template to each update panel, and move a div element into each content template.
D. Add a form and two update panels to the page. Add two script managers to the form, one for each update panel. Add a content template to each update panel, and move each div element into a content template.

Answer: C

Question: 43

You are developing an ASP.NET Web page.The page includes a List(Of Product) instance. You add a FormView control to display a single Product from this list. You need to bind the list to the FormView control. Which FormView property should you set in the code-behind file?

A. DataSource
B. DataSourceID
C. DataKeyNames
D. DataMember

Answer: A

Explanation:
http://anandpandey.com/Certification/70-515/DisplayingandManipulatingData.aspx
http://www.scribd.com/doc/63120741/39/Question-43
http://mcpd.somee.com/515/515.htm

Question: 44

You are implementing a WCF service library. You add a new code file that contains the following code segment.
Namespace ContosoWCF
<ServiceContract()>
Public Interface IRateService
<OperationContract()>
Function GetCurrentRate() As Decimal
End Interface
Partial Public Class RateService
Implements IRateService
Public Function GetCurrentRate() As Decimal _
Implements IRateService.GetCurrentRate
Dim currentRate As Decimal =
GetRateFromDatabase()
Return currentRate
End Function
End Class
End Namespace
You build the service library and deploy its assembly to an IIS application.
You need to ensure that the GetCurrentRate method can be called from JavaScript.
What should you do?

A. Add a file named Service.svc to the IIS application. Add the following code segment to the file.
<%@ ServiceHost Service="ContosoWCF.IRateService"
Factory="System.ServiceModel.Activation.WebScriptServiceHostFactory"
%>
B. Add a file named Service.svc to the IIS application. Add the following code segment to the file.
<%@ ServiceHost Service="ContosoWCF.RateService"
Factory="System.ServiceModel.Activation.WebScriptServiceHostFactory"
%>
C. Apply the ScriptService attribute to the RateService class. Rebuild the WCF service library, and redeploy the assembly to the IIS application.
D. Apply the WebGet attribute to the GetCurrentRate interface method. Rebuild the WCF service library, and redeploy the assembly to the IIS application.

Answer: B

Question: 45

You are implementing an ASP.NET page. The page includes a method named GetCustomerOrderDataSet that returns a DataSet. The DataSet includes a DataTable named CustomerDetailsTable and a DataTable named OrderDetailsTable. You need to display the data in OrderDetailsTable in a DetailsView control named dtlView. Which code segment should you use?

A. dtlView.DataSource = GetCustomerOrderDataSet()
dtlView.DataMember = "OrderDetailsTable"
dtlView.DataBind()
B. dtlView.DataSource = GetCustomerOrderDataSet()
dtlView.DataSourceID = "OrderDetailsTable"

dtlView.DataBind()
C. dtlView.DataSource = GetCustomerOrderDataSet()
dtlView.DataKeyNames = New String() {"OrderDetailsTable"}
dtlView.DataBind()
D. Dim dataSet As DataSet = GetCustomerOrderDataSet()
dtlView.DataSource = New DataTable("dataSet", "OrderDetailsTable")
dtlView.DataBind()

Answer: A

Question: 46

You are developing an ASP.NET Dynamic Data Web application.
Boolean fields must display as Yes or No instead of as a check box. You replace the markup in the default Boolean field template with the following markup.
<asp:Label runat="server" ID="label" />
You need to implement the code that displays Yes or No.
Which method of the FieldTemplateUserControl class should you override in the BooleanField class?

A. OnLoad
B. Construct
C. OnDataBinding
D. SaveControlState

Answer: C

Question: 47

You are developing an ASP.NET Web page that will display the median value from a sequence of integer values. You need to create an extension method to compute the median value. Which interface should you add the extension method to?

A. IComparer(Of T)
B. IEnumerable(Of T)
C. IEnumerator(Of T)
D. IEqualityComparer(Of T)

Answer: B

Question: 48

You are implementing an ASP.NET page. Client-side script requires data.
Your application includes a class named Person with a Name property of type string.
The code-behind file of the page includes the following code segment.
Public JsonValue As String
Dim people As List(Of Person) = GetPeopleList()
Dim json As JavaScriptSerializer = New JavaScriptSerializer()
You need to use the JavaScriptSerializer class to serialize only the value of the Name property of each item in the people list.

Which code segment should you use?

A. JsonValue = json.Serialize(people.Select(Function(p) p.Name))
B. Dim names = From person In people Select person
JsonValue = "{" & json.Serialize(names) & "}"
C. JsonValue = json.Serialize(people.SelectMany(
Function(p) p.Name.AsEnumerable()))
D. Dim names = From person In people Select person
JsonValue = json.Serialize(names)

Answer: A

Question: 49

You are implementing an ASP.NET page. You add and configure the following ObjectDataSource.
<asp:ObjectDataSource SelectMethod="GetProductByProductId"
ID="odc" runat="server" TypeName="ProductDAL">
<SelectParameters>
<asp:Parameter Name="productId" Type="Int32" />
</SelectParameters>
</asp:ObjectDataSource>
The page will be called with a query string field named pid.
You need to configure the ObjectDataSource control to pass the value of the pid field to GetProductsByProductId method.
What should you do?

A. Replace the asp:Parameter with the following declaration.
<asp:QueryStringParameter DefaultValue="pid" Name="productId"
Type="Int32" />
B. Replace the asp:Parameter with the following declaration.
<asp:QueryStringParameter QueryStringField="pid" Name="productId"
Type="Int32" />
C. Add the following event handler to the Selecting event of the ObjectDataSource control.

Private Sub odc_Selecting(ByVal sender As Object,
ByVal e As _
System.Web.UI.WebControls.ObjectDataSourceSelectingEventArgs) _
Handles odc.Selecting
e.InputParameters("pid") = Request.QueryString("productId")
End Sub
D. Add the following code segment to the pages code-behind.
Protected Sub Page_Load(ByVal sender As Object,
ByVal e As System.EventArgs) Handles Me.Load
odc.SelectParameters.Add("productId", Request.QueryString("pid"))
End Sub

Answer: B

Question: 50

You are developing an ASP.NET Web service.
The following code segment implements the service. (Line numbers are included for reference only.)

```
01 <WebServiceBinding(
ConformsTo:=WsiProfiles.BasicProfile1_1)>
02 Public Class ProductService
03Inherits System.Web.Services.WebService
04
05<WebMethod()>
06Public Function GetProduct(
07 ByVal name As String) As Product
08
09End Function
10
11<WebMethod()>
12Public Function GetProduct(
13 ByVal id As Integer) As Product
14
15End Function
16
17 End Class
```

You need to ensure that both GetProduct methods can be called from a Web client.
Which two actions should you perform? (Each correct answer presents part of the solution. Choose two.)

A. Remove line 01.
B. Add the Shared modifier on lines 06 and 12.
C. Add the following attribute before line 11. <SoapDocumentMethod(Action:="GetProductById")>
D. Modify the attribute on line 11 as follows. <WebMethod(MessageName:="GetProductById")>

Answer: A, D

Explanation:
WebServiceBindingAttribute Class
(http://msdn.microsoft.com/en-us/library/system.web.services.webservicebindingattribute.aspx)

Question: 51

You are implementing an ASP.NET Dynamic Data Web site. The Web site includes a data context that enables automatic scaffolding for all tables in the data model.
The Global.asax.vb file contains the following code segment.

```
Public Shared Sub RegisterRoutes(ByVal routes As RouteCollection)
routes.Add(New DynamicDataRoute("{table}/ListDetails.aspx") _
With
{
.Action = PageAction.List,
.ViewName = "ListDetails",
.Model = DefaultModel
})
routes.Add(New DynamicDataRoute("{table}/ListDetails.aspx") _
With
{
.Action = PageAction.Details,
```

.ViewName = "ListDetails",
.Model = DefaultModel
})
End Sub
You need to display the items in a table named Products by using a custom layout.
What should you do?

A. Add a new Web page named Products.aspx to the Dynamic Data\PageTemplates folder of the Web site.
B. Add a new folder named Products to the Dynamic Data\CustomPages folder of the Web site. Add a new Web page named ListDetails.aspx to the Products folder.
C. Add a new Web user control named Products.ascx to the Dynamic Data\Filters folder of the Web site. In the code-behind file for the control, change the base class from UserControl to System.Web.DynamicData.QueryableFilterUserControl.
D. Add a new Web user control named Products_ListDetails.ascx to the Dynamic Data\EntityTemplates folder of the Web site. In the code-behind file for the control, change the base class from UserControl to System.Web.DynamicData.EntityTemplateUserControl.

Answer: B

Question: 52

You are implementing an ASP.NET Web site. The site allows users to explicitly choose the display language for the site# s Web pages. You create a Web page that contains a DropDownList named ddlLanguage, as shown in the following code segment.
<asp:DropDownList ID="ddlLanguage" runat="server" AutoPostBack="True" ClientIDMode="Static" OnSelectedIndexChanged="SelectedLanguageChanged">
<asp:ListItem Value="en">English</asp:ListItem>
<asp:ListItem Value="es">Spanish</asp:ListItem>
<asp:ListItem Value="fr">French</asp:ListItem>
<asp:ListItem Value="de">German</asp:ListItem>
</asp:DropDownList>
The site contains localized resources for all page content that must be translated into the language that is selected by the user. You need to add code to ensure that the page displays content in the selected language if the user selects a language in the drop-down list. Which code segment should you use?

A. Protected Sub SelectedLanguageChanged(ByVal sender As Object,
ByVal e As EventArgs) Handles ddlLanguage.SelectedIndexChanged
Page.UICulture = ddlLanguage.SelectedValue
End Sub
B. Protected Overrides Sub InitializeCulture()
Page.UICulture = Request.Form("ddlLanguage")
End Sub
C. Protected Sub Page_Load(ByVal sender As Object,
ByVal e As System.EventArgs) Handles Me.Load
Page.Culture = Request.Form("ddlLanguage")
End Sub
D. Protected Overrides Sub InitializeCulture()
Page.Culture = ddlLanguage.SelectedValue
End Sub

Answer: B

Question: 53

You are implementing a read-only page that includes the following controls.
<asp:Button ID="btnRefresh" runat="server" Text="Button" />
<asp:GridView ID="gvCustomers" runat="server" EnableViewState="False"
OnDataBinding="gvCustomers_DataBinding">
</asp:GridView>
You disable view state to improve performance. You need to ensure that the page is updated to display the latest data when the user clicks the refresh button.
Which code segment should you use?

A. Private Sub Page_PreInit(ByVal sender As Object,
ByVal e As System.EventArgs) Handles Me.PreInit
If Not IsPostBack Then
gvCustomers.DataSource = GetCustomers()
gvCustomers.DataBind()
End If
End Sub
B. Protected Sub Page_Load(ByVal sender As Object,
ByVal e As System.EventArgs) Handles Me.Load
gvCustomers.DataSource = GetCustomers()
gvCustomers.DataBind()
End Sub
C. Private Sub gvCustomers_DataBinding(ByVal sender As Object,
ByVal e As System.EventArgs) Handles gvCustomers.DataBinding
gvCustomers.DataSource = GetCustomers()
gvCustomers.DataBind()
End Sub
D. Private Sub Page_PreRender(ByVal sender As Object,
ByVal e As System.EventArgs) Handles Me.PreRender
If Not IsPostBack Then
gvCustomers.DataSource = GetCustomers()
gvCustomers.DataBind()
End If
End Sub

Answer: B

Question: 54

You are implementing an ASP.NET application that includes the following requirements. Retrieve the number of active bugs from the cache, if the number is present. If the number is not found in the cache, call a method named GetActiveBugs, and save the result under the ActiveBugs cache key. Ensure that cached data expires after 30 seconds. You need to add code to fulfill the requirements. Which code segment should you add?

A. Dim numOfActiveBugs As Integer? = DirectCast(Cache("ActiveBugs"), Integer?)
If Not numOfActiveBugs.HasValue Then
Dim result As Int32 = GetActiveBugs()

```
Cache.Insert("ActiveBugs", result, Nothing, DateTime.Now.AddSeconds(30), Cache.NoSlidingExpiration)
numOfActiveBugs = result
End If
ActiveBugs = numOfActiveBugs.Value
```

B.
```
Dim numOfActiveBugs As Integer = CInt(Cache.Get("ActiveBugs"))
If numOfActiveBugs <> 0 Then
Dim result As Integer = GetActiveBugs()
Cache.Insert("ActiveBugs", result, Nothing,
DateTime.Now.AddSeconds(30), Cache.NoSlidingExpiration)
numOfActiveBugs = result
End If
ActiveBugs = numOfActiveBugs
```

C.
```
Dim numOfActiveBugs As Integer = 0
If Cache("ActiveBugs") Is Nothing Then
Dim result As Integer = GetActiveBugs()
Cache.Add("ActiveBugs", result, Nothing, DateTime.Now.AddSeconds(30), Cache.NoSlidingExpiration,
CacheItemPriority.Normal, Nothing)
numOfActiveBugs = result
End If
ActiveBugs = numOfActiveBugs
```

D.
```
Dim numOfActiveBugs? As Integer =
DirectCast(Cache("ActiveBugs"), Integer?)
If Not numOfActiveBugs.HasValue Then
Dim result As Integer = GetActiveBugs()
Cache.Insert("ActiveBugs", result, Nothing, Cache.NoAbsoluteExpiration, TimeSpan.FromSeconds(30))
numOfActiveBugs = result
End If
ActiveBugs = numOfActiveBugs.Value
```

Answer: A

Question: 55

You create a custom server control named Task that contains the following code segment. (Line numbers are included for reference only.)

```
01 Namespace DevControls
03 Public Class Task
04 Inherits WebControl
06 <ComponentModel.DefaultValue("")>
07 Public Property Title As String
09 Protected Overrides Sub RenderContents(
10 ByVal output As HtmlTextWriter)
12 output.Write(Title)
13 End Sub
15 End Class
17 End Namespace
```

You need to ensure that adding a Task control from the Toolbox creates markup in the following format.

```
<Dev:Task ID="Task1" runat="server" Title="New Task" />
```

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

A. Add the following code segment to the project's AssemblyInfo.vb file.

<Assembly: TagPrefix("DevControls", "Dev")>
B. Replace line 06 with the following code segment.
<ComponentModel.DefaultValue("New Task")>
C. Insert the following code segment immediately before line 03.
<ToolboxData("<{0}:Task runat=""server"" Title=""New Task"" />")>
D. Replace line 12 with the following code segment.
output.Write("<Dev:Task runat=""server"" Title=""New Task"" />")

Answer: A, C

Explanation:
CHAPTER 7 Creating Custom Web Controls
Lesson 2: Creating Custom Web Server Controls
Controlling the Markup Generated for Your Custom Web Server Control (page 369)

Question: 56

You are implementing an ASP.NET application that makes extensive use of JavaScript libraries. Not all pages use all scripts, and some scripts depend on other scripts. When these libraries load sequentially, some of your pages load too slowly. You need to use the ASP.NET Ajax Library Script Loader to load these scripts in parallel. Which two actions should you perform? (Each correct answer presents part of the solution. Choose two.)

A. In your site's master page, add a call to Sys.loader.defineScripts to define each of the scripts that are used in the site.
B. In your site's master page, add a call to Sys.loader.registerScript to define each of the scripts that are used in the site.
C. In each page that uses scripts, add a call to Sys.get for each script that is needed in that page.
D. In each page that uses scripts, add a call to Sys.require for each script that is needed in that page.

Answer: A, D

Explanation:
The ASP.NET Ajax Library's Script Loader provides a flexible way to load scripts required by a page as well as any dependencies that may be needed. Because it loads scripts in parallel the page's load time is minimized and the amount of code needed to load scripts, their dependencies and components is significantly reduced.
To load ASP.NET Ajax Library or jQuery scripts a collection called Sys.scripts (defined in the ASP.NET Ajax Library's Start.js file) can be used along with a call to Sys.require.
In cases where a custom script has dependencies on one or more scripts a custom metadata file can be created to define the dependencies. This metadata file can define all the scripts involved using the Script Loader's Sys.loader.defineScripts function. The metadata script defines the custom scripts to load as well as any dependencies they may have.
HOW TO Load Required Scripts
(http://www.asp.net/ajaxLibrary/HOW%20TO%20Load%20Required%20Scripts.ashx)
HOW TO Load a Custom Script with Dependencies
(http://www.asp.net/ajaxlibrary/HOW%20TO%20Load%20a%20Custom%20Script%20with%20Dependencies.ashx)

Question: 57

You are implementing an ASP.NET page.
You add asp:Button controls for Help and for Detail.

You add an ASP.NET skin file named default.skin to a theme.
You need to create and use a separate style for the Help button, and you must use the default style for the Detail button. What should you do?

A. Add the following markup to the default.skin file.
<asp:Button ID="Help"></asp:Button>
<asp:Button ID="Default"></asp:Button>
Use the following markup for the buttons in the ASP.NET page.
<asp:Button SkinID="Help">Help</asp:Button>
<asp:Button SkinID="Default">Detail</asp:Button>
B. Add the following markup to the default.skin file.
<asp:Button SkinID="Help"></asp:Button>
<asp:Button ID="Default"></asp:Button>
Use the following markup for the buttons in the ASP.NET page.
<asp:Button SkinID="Help">Help</asp:Button>
<asp:Button SkinID="Default">Detail</asp:Button>
C. Add the following code segment to default.skin.
<asp:Button SkinID="Help"></asp:Button>
<asp:Button></asp:Button>
Use the following markup for the buttons in the ASP.NET page.
<asp:Button SkinID="Help"></asp:Button>
<asp:Button SkinID="Default">Detail</asp:Button>
D. Add the following markup to default.skin.
< asp:Button SkinID ="Help"></ asp:Button >
< asp:Button ></ asp:Button >
Use the following markup for the buttons in the ASP.NET page.
< asp:Button SkinID ="Help">Help</ asp:Button >
< asp:Button >Detail</ asp:Button >

Answer: D

Question: 58

A Web page includes the HTML shown in the following code segmen
Check out
the FAQ on

Contoso's web site for more information:
FAQ.

Home
You need to write a JavaScript function that will dynamically format in boldface all of the hyperlinks in the ref span.
Which code segment should you use?

A. $("#ref").filter("a[href]").bold();
B. $("ref").filter("a").css("bold");
C. $("a").css({fontWeight:"bold"});
D. $("#ref a[href]").css({fontWeight:"bold"});

Answer: D

Explanation:
.css() Method
(http://api.jquery.com/css/)

Question: 59

You create an ASP.NET page. The page uses the jQuery $.ajax function to make calls back to the server in several places.
You add the following div element to the page.

You need to implement a single error handler that will add error information from all page $.ajax calls to the div named errorInfo.
What should you do?

A. Add the following options to each $.ajax function call:
global: true,
error: function (XMLHttpRequest, textStatus, errorThrown){ $("#errorInfo").text("
Error information is: " + textStatus + "
");
B. Add the following code to the $(document).ready function on the page:
$("#errorInfo").ajaxError(function(event, request, settings){ $(this).append("
Error requesting page " + settings.url + "
"); });
C. Add the following option to each $.ajax function call:
error: function (XMLHttpRequest, textStatus, errorThrown){ $("#errorInfo").text("
Error information is: " + textStatus + "
");
}
D. Add the following code to the $(document).ready function on the page:
$.ajaxError(function(event, request, settings){
$(this).append("
Error requesting page " + settings.url + "
");});
Add the following option to each $.ajax function call:
global: true

Answer: B

Question: 60

You create a Web page that contains the span shown in the following line of code.
Text
You need replace the contents of the span with HTML that you download from a URL specified by a global variable named localURL.
Which code segment should you use?

A. $.ajax({
type: "GET",
url: localURL,
dataType: "jsonp",
success: function(htmlText) {
$("#span1").text(htmlText);
}}

```
);
B. $.ajax(localURL, {},
function(htmlText) {
$("#span1").html(htmlText);
},
"html");
C. $.ajax({
type: "GET",
url: localURL,
dataType: "html",
success: function(htmlText) {
$("#span1").innerHTML = htmlText;
}}
);
D. $.ajax({
type: "GET",
url: localURL,
success: function(htmlText) {
$("#span1").html(htmlText);
}}
);
```

Answer: D

Explanation:
CHAPTER 9 Working with Client-Side Scripting, AJAX, and jQuery
Lesson 3: Implementing jQuery
Implementing AJAX with jQuery (page 536)

Question: 61

You are creating an ASP.NET Web site. The site contains pages that are available to anonymous users. The site also contains a page named Premium.aspx that provides premium content to only members of a group named Subscribers. You need to modify the web.config file to ensure that Premium.aspx can be accessed by only members of the Subscribers group. Which configuration should you use?

```
A. <location path="Premium.aspx">
<system.web>
<authorization>
<allow users="Subscribers"/>
<deny users="*"/>
</authorization>
</system.web>
</location>
B. <location path="Premium.aspx">
<system.web>
<authorization>
<allow roles="Subscribers"/>
<deny users="*"/>
</authorization>
</system.web>
```

</location>
C. <location path="Premium.aspx">
<system.web>
<authorization>
<allow roles="Subscribers"/>
<deny users="?"/>
</authorization>
</system.web>
</location>
D. <location path="Premium.aspx">
<system.web>
<authorization>
<deny users="*"/>
<allow roles="Subscribers"/>
</authorization>
</system.web>
</location>

Answer: B

Explanation:
CHAPTER 13 Implementing User Profiles, Authentication, and Authorization
Lesson 2: Using ASP.NET Membership
Restricting Access to ASP.NET Websites, Files, and Folders - Controlling Authorization for Folders and Files by Using .config Files (page 819)

Question: 62

You are implementing an ASP.NET Web site. The site uses a component that must be dynamically configured before it can be used within site pages. You create a static method named SiteHelper.Configure that configures the component. You need to add a code segment to the Global.asax file that invokes the SiteHelper.Configure method the first time, and only the first time, that any page in the site is requested. Which code segment should you use?

A. Sub Application_Start(ByVal sender As Object, ByVal e As EventArgs) SiteHelper.Configure()
End Sub
B. Sub Application_Init(ByVal sender As Object, ByVal e As EventArgs) SiteHelper.Configure()
End Sub
C. Sub Application_BeginRequest(ByVal sender As Object,
ByVal e As EventArgs)
SiteHelper.Configure()
End Sub
D. Dim lockObject As Object = New Object()
Sub Application_BeginRequest(ByVal sender As Object,
ByVal e As EventArgs)
SyncLock (lockObject())
SiteHelper.Configure()
End SyncLock
End Sub

Answer: A

Question: 63

You create a Visual Studio 2010 solution that includes a WCF service project and an ASP.NET project. The service includes a method named GetPeople that takes no arguments and returns an array of Person objects. The ASP.NET application uses a proxy class to access the service. You use the Add Service Reference wizard to generate the class. After you create the proxy, you move the service endpoint to a different port. You need to configure the client to use the new service address. In addition, you must change the implementation so that calls to the client proxy will return a List(Of Person) instead of an array. Which two actions should you perform? (Each correct answer presents part of the solution. Choose two.)

A. In the context menu for the service reference in the ASP.NET project, select the Configure Service Reference command, and set the collection type to System.Collections.Generic.List.
B. In the context menu for the service reference in the ASP.NET project, select the Update Service Reference command to retrieve the new service configuration.
C. Change the service interface and implementation to return a List(Of Person).
D. Edit the address property of the endpoint element in the web.config file to use the new service address.

Answer: A, D

Explanation:
CHAPTER 10 Writing and Working with HTTP Modules and Web Services
Lesson 3: Creating and Consuming WCF Services
Creating a WCF Service with ASP.NET (page 596)

Question: 64

You use the ASP.NET Web Site template to create a Web site that will be deployed to multiple locations. Each location will specify its SMTP configuration settings in a separate file named smtp.config in the root folder of the Web site. You need to ensure that the configuration settings that are specified in the smtp.config file will be applied to the Web site. Which configuration should you use in web.config?

A. <configuration>
<system.net>
<mailSettings>
<smtp configSource="smtp.config" allowOverride="true">
<network host="127.0.0.1" port="25"/>
</smtp>
</mailSettings>
</system.net>
</configuration>
B. <configuration>
<system.net>
<mailSettings>
<smtp configSource="smtp.config" />
</mailSettings>
</system.net>
</configuration>
C. <configuration xmlns:xdt="http://schemas.microsoft.com/XML- Document-Transform">
<location path="smtp.config" xdt:Transform="Replace" xdt:Locator="Match

(path)">
<system.net />
</location>
</configuration>
D. <configuration>
<location path="smtp.config">
<system.net>
<mailSettings>
<smtp Devilery Method="Network" >
<Network Host = "127.0.0.1" Port="25"/>
</smtp>
</mailSettings>
</system.net>
</location>
</configuration>

Answer: B

Explanation:
CHAPTER 8 Debugging and Deploying
Lesson 3: Deploying Websites
Publishing Web Applications - Web.config Transformations (page 421)

Question: 65

You are developing an ASP.NET application by using Visual Studio 2010. You need to interactively debug the entire application. Which two actions should you perform? (Each correct answer presents part of the solution. (Choose two.)

A. Set the Debug attribute of the compilation node of the web.config file to true.
B. Add a DebuggerDisplay attribute to the code-behind file of the page that you want to debug.
C. Select the ASP.NET debugger option in the project properties.
D. Define the DEBUG constant in the project settings.

Answer: A, C

Question: 66

You are preparing to deploy an ASP.NET application to a production server by publishing the application in Release configuration. You need to ensure that the connection string value that is stored in the web.config file is updated to the production server's connection string value during publishing. What should you do?

A. Add the following code to the web.config file.
<connectionStrings>
<add name="DB"connectionString="Server=ProdServer;Database=ProdDB;Integrated Security=SSPI;"providerName="Release" />
</connectionStrings>
B. Add the following code to the web.config file.
<connectionStrings>
<add name="DB"connectionString="Server=ProdServer;Database=ProdDB;Integrated Security=SSPI;" xdt:Transform="Replace" xdt:Locator="Match(name)" />

</connectionStrings>
C. Add the following code to the web.release.config file.
<connectionStrings>
<add name="DB"connectionString="Server=ProdServer;Database=ProdDB;Integrated Security=SSPI;"providerName="Release" />
</connectionStrings>
D. Add the following code to the web.release.config file.
<connectionStrings>
<add name="DB"connectionString="Server=ProdServer;Database=ProdDB;Integrated Security=SSPI;" xdt:Transform="Replace" xdt:Locator="Match(name)" />
</connectionStrings>

Answer: D

Question: 67

You are implementing an ASP.NET application. The application includes a Person class with property Age. You add a page in which you get a list of Person objects and display the objects in a GridView control. You need to add code so that the GridView row is highlighted in red if the age of the person is less than 18. Which GridView event should you handle?

A. RowDataBound
B. RowCommand
C. RowUpdated
D. RowEditing

Answer: A

Question: 68

You are implementing an ASP.NET page that will retrieve large sets of data from a data source. You add a ListView control and a DataPager control to the page. You need to ensure that the data can be viewed one page at a time. What should you do?

A. Set the DataPager control's PageSize property to the number of rows to view at one time.
B. Set the DataPager control's PagedControlID property to the ID of the ListView control.
C. In the codebehind file, set the DataPager control's Parent property to the ListView control.
D. In the codebehind file, set the ListView control's Parent property to the DataPager control.

Answer: B

Question: 69

You are implementing an ASP.NET application that uses LINQ to Entities to access and update the database.
The application includes the following method to update a detached entity of type Person.
private NorthwindContext _entities;
public void UpdatePerson(Person personToEdit)
{}
You need to implement the UpdatePerson method to update the database row that corresponds to the personToEdit

object. Which code segment should you use?

A. _entities.People.Attach(personToEdit);
_entities.ObjectStateManager.ChangeObjectState(
personToEdit,
EntityState.Modified);
_entities.SaveChanges();
B. _entities.ObjectStateManager.ChangeObjectState(
personToEdit,
EntityState.Added);
_entities.SaveChanges();
C. _entities.People.ApplyCurrentValues(personToEdit);
_entities.SaveChanges();
D. _entities.People.Attach(new Person() { Id = personToEdit.Id }); _entities.ObjectStateManager.
ChangeObjectState(
personToEdit,
EntityState.Modified);
_entities.SaveChanges();

Answer: A

Explanation:
Table(Of TEntity).Attach Method (TEntity)
(http://msdn.microsoft.com/en-us/library/bb300517.aspx)

Question: 70

You are implementing an ASP.NET Web site. The Web site contains a Web service named CustomerService.
The code-behind file for the CustomerService class contains the following code segment.
public class ProductService :
System.Web.Services.WebService
{
public List<Product> GetProducts(int categoryID)
{
return GetProductsFromDatabase(categoryID);
}}
You need to ensure that the GetProducts method can be called by using AJAX. Which two actions should you perform? (Each correct answer presents part of the solution. Choose two.)

A. Apply the WebService attribute to the ProductService class.
B. Apply the ScriptService attribute to the ProductService class.
C. Apply the WebMethod attribute to the GetProducts method.
D. Apply the ScriptMethod attribute to the GetProducts method.

Answer: B, C

Explanation:
CHAPTER 9 Working with Client-Side Scripting, AJAX, and jQuery
Lesson 3: Implementing jQuery
Calling a Web Service with $.ajax() (page 535)

CHAPTER 10 Writing and Working with HTTP Modules and Web Services
Lesson 2: Creating and Consuming XML Web Services
Calling a Web Service from Client Script by Using AJAX (page 583-584)

Question: 71

You are implementing an ASP.NET Web site. The site contains the following class.
Public Class Address
Public AddressType As Integer
Public Line1 As String
Public Line2 As String
Public City As String
Public ZipPostalCode As String
End Class
The Web site interacts with an external data service that requires Address instances to be given in the following XML format.
<Address AddressType="2">
<Line1>250 Race Court</Line1>
<City>Chicago</City>
<PostalCode>60603</PostalCode>
</Address>
You need to ensure that Address instances that are serialized by the XmlSerializer class meet the XML format requirements of the external data service. Which two actions should you perform (Each correct answer presents part of the solution. Choose two.)

A. Add the following attribute to the AddressType field.
<XmlAttribute()>
B. Add the following attribute to the Line2 field.
<XmlElement(IsNullable:=True)>
C. Add the following attribute to the ZipPostalCode field.
<XmlAttribute("ZipCode")>
D. Add the following attribute to the ZipPostalCode field.
<XmlElement("ZipCode")>

Answer: A, D

Explanation:
XmlSerializer Class
(http://msdn.microsoft.com/en-us/library/system.xml.serialization.xmlserializer.aspx)

Question: 72

You create a new ASP.NET MVC 2 Web application. The following default routes are created in the Global.
asax.vb file. (Line numbers are included for reference only.) 01 Shared Sub RegisterRoutes(ByVal routes As RouteCollection) 03 routes.IgnoreRoute("{resource}.axd/{*pathInfo}")
05 routes.MapRoute(_
"Default",
"{controller}/{action}/{id}",
New With {.controller = "Home", .action = "Index", .id = ""})
07 End Sub

You implement a controller named HomeController that includes methods with the following signatures.
Function About() As ActionResult
Function Index() As ActionResult
Function Details(ByVal id As Integer) As ActionResult
You need to ensure that the About action is invoked when the root URL of the site is accessed.
What should you do?

A. At line 04 in the Global.asax.vb file, add the following line of code.
routes.MapRoute("Default4Empty", "/",
New With {.controller = "Home", .action = "About"})
B. At line 04 in the Global.asax.vb file, add the following line of code.
routes.MapRoute("Default", "",
New With {.controller = "Home", .action = "About"})
C. Replace line 05 in the Global.asax.vb file with the following line of code.
routes.MapRoute("Default4Empty","{controller}/{action}/{id}",
New With {.controller = "Home", .action = "About", .id = ""})
D. Replace line 05 in the Global.asax.vb file with the following line of code.
routes.MapRoute("Default",
"{controller}/{action}",New With {.controller = "Home", .action = "About"})

Answer: C

Question: 73

You are implementing an ASP.NET MVC 2 Web application.
The URL with path /Home/Details/{country} will return a page that provides information about the named country. You need to ensure that requests for this URL that contain an unrecognized country value will not be processed by the Details action of HomeController.
What should you do?

A. Add the ValidateAntiForgeryToken attribute to the Details action method.
B. Add the Bind attribute to the country parameter of the Details action method. Set the attribute's Prefix property to Country.
C. Create a class that implements the IRouteConstraint interface. Configure the default route to use this class.
D. Create a class that implements the IRouteHandler interface. Configure the default route to use this class.

Answer: C

Question: 74

You are implementing an ASP.NET MVC 2 Web application. A controller contains the following code.
Function Edit(ByVal id As Integer) As ActionResult
Return View(SelectUserToEdit(id))
End Function
Function Edit(ByVal person As Person) As ActionResult
UpdateUser(person)
Return RedirectToAction("Index")
End Function
The first Edit action displays the user whose details are to be edited, and the second Edit action is called when the Save button on the editing form is clicked to update the user details. An exception is thrown at run time stating that

the request for action Edit is ambiguous.
You need to correct this error and ensure that the controller functions as expected. What are two possible ways to achieve this goal? (Each correct answer presents a complete solution. Choose two.)

A. Add the following attribute to the first Edit action.
<AcceptVerbs(HttpVerbs.Head)>
B. Add the following attribute to the first Edit action.
<HttpGet()>
C. Add the following attribute to the second Edit action.
<HttpPost()>
D. Add the following attribute to the second Edit action.
<HttpPut()>

Answer: B, C

Explanation:
There is no [HttpPut] attribute.
[AcceptVerbs] represents an attribute that specifies which HTTP verbs an action method will respond to. The possible variants are HttpVerbs enumeration: Get, Post, Put, Delete, Head.
HttpVerbs Enumeration (http://msdn.microsoft.com/en-us/library/system.web.mvc.httpverbs.aspx)
CHAPTER 14 Creating Websites with ASP.NET MVC 2
Lesson 2: Creating Models, Views, and Controllers

Question: 75

You are implementing an ASP.NET MVC 2 Web application. You create a shared user control named MenuBar.ascx that contains the application's menu. You need to use the menu bar in all application views. What should you do?

A. In the site's master page, create a div element with an ID of Navigation.
Add the following code segment inside this div element.
<% Html.RenderPartial("~/Views/Shared/MenuBar.ascx"); %>
B. In the site's master page, create a div element with an ID of Navigation.
Add the following code segment inside this div element.
<%= Url.Content("~/Views/Shared/MenuBar.ascx") %>
C. In each of the controller's action methods, add an entry to the ViewData collection with a key of Navigation and a value of ~/Views/Shared/MenuBar.ascx.
D. In the site's Global.asax.cs file, register a route named Navigation that points to the ~/Views/Shared/ MenuBar.ascx file.

Answer: A

Question: 76

You create an ASP.NET MVC 2 Web application that contains the following controller class.
Public Class ProductController
Inherits System.Web.Mvc.Controller
Shared products As List(Of Product) = New List(Of Product)()
Function Index() As ActionResult
Return View()
End Function

End Class
In the Views folder of your application, you add a view page named Index.aspx that includes the following @ Page directive.
<%@ Page Inherits="System.Web.Mvc.ViewPage" %>
You test the application with a browser. You receive the following error message when the Index method is invoked: # The view 'Index' or its master was not found.#
You need to resolve the error so that the new view is displayed when the Index method is invoked.
What should you do?

A. Change the name of the Index.aspx file to Product.aspx.
B. Create a folder named Product inside the Views folder. Move Index.aspx to the Product folder.
C. Replace the @ Page directive in Index.aspx with the following value.
<%@ Page Inherits="System.Web.Mvc.ViewPage(Product)" %>
D. Modify the Index method by changing its signature to the following
Function Index(ByVal p As Product) As ActionResult

Answer: B

Question: 77

You are developing an ASP.NET Web application.
The application will contain a page that is customized for various browsers. The application will use output cache to optimize performance.
You need to ensure that the page is checked by browser type and major version only.
Which attribute should you add to the OutputCache directive?

A. varyByCustom= “browser”
B. varyByCustom= “User-Agentt”
C. varyByHeader= “browser”
D. varyByHeader= “User-Agentt”

Answer: A

Question: 78

You are developing an Web page that includes a text box control.
The page includes a server-side method named ValidateValue.
You need to configure the page so that the text box value is validated by using the ValidateValue method. Which two actions should you perform? (Each correct answer presents part of the solution. Choose two.)

A. Use the CompareValidator control.
B. Use the CustomValidator control.
C. Set ValidationGroup on the control to ValidateValue
D. Set OnServerValidate on the control to ValidateValue.

Answer: A, D

Question: 79

You are implementing an ASP.NET page in an e-commerce application. Code in a btnAddToCart_Click event handler adds a product to the shopping cart. The page should check the status of the shopping cart and always show a cart icon when one or more items are in the shopping cart. The page should hide the icon when the shopping cart has no items. You need to add an event handler to implement this requirement. Which event handler should you add?

A. btnAddToCart_Click
B. Page_Load
C. Page_PreRender
D. Page_PreInit

Answer: C

Question: 80

You create an ASP.NET page that contains the following tag.
<h1 id="hdr1" runat="server">Page Name</h1>
You need to write code that will change the contents of the tag dynamically when the page is loaded. What are two possible ways to achieve this goal? (Each correct answer presents a complete solution. Choose two.)

A. Me.hdr1.InnerHtml = "Text"
B. TryCast(hdr1.Parent, HtmlGenericControl).InnerText = "Text"
C. Dim h1 As HtmlGenericControl =
TryCast(Me.FindControl("hdr1"), HtmlGenericControl)
h1.InnerText = "Text"
D. Dim h1 As HtmlGenericControl =
TryCast(Parent.FindControl("hdr1"), HtmlGenericControl)
h1.InnerText = "Text"

Answer: A, C

Question: 81

You are troubleshooting an ASP.NET Web application. System administrators have recently expanded your web farm from one to two servers. Users are periodically reporting an error message about invalid view state. You need to fix the problem. What should you do?

A. Set viewStateEncryptionMode to Auto in web.config on both servers.
B. Set the machineKey in machine.config to the same value on both servers.
C. Change the session state mode to SQLServer on both servers and ensure both servers use the same connection string.
D. Override the SavePageStateToPersistenceMedium and LoadPageStateFromPersistenceMedium methods in the page base class to serialize the view state to a local web server file.

Answer: B

Question: 82

You create an ASP.NET page named TestPage.aspx that contains validation controls. You need to verify that all input values submitted by the user have been validated by testing the Page.IsValid property. Which page event should you

add an event handler to?

A. Init
B. Load
C. PreInit
D. PreLoad

Answer: B

Question: 83

You are implementing an ASP.NET application that includes a page named TestPage.aspx. TestPage.aspx uses a master page named TestMaster.master.
You add the following code to the TestPage.aspx code-behind file to read a TestMaster.master public property named CityName.

```
protected void Page_Load(object sender, EventArgs e)
{
string s = Master.CityName;
}
```

You need to ensure that TestPage.aspx can access the CityName property.
What should you do?

A. Add the following directive to TestPage.aspx.
<%@ MasterType VirtualPath="~/TestMaster.master" %>
B. Add the following directive to TestPage.aspx.
<%@ PreviousPageType VirtualPath="~/TestMaster.master" %>
C. Set the Strict attribute in the @ Master directive of the TestMaster.master page to true.
D. Set the Explicit attribute in the @ Master directive of the TestMaster.master page to true.

Answer: A

Question: 84

You are implementing an ASP.NET Web site that will be accessed by an international audience. The site contains global and local resources for display elements that must be translated into the language that is selected by the user. You need to ensure that the Label control named lblCompany displays text in the users selected language from the global resource file. Which control markup should you use?

A. <asp:Label ID="lblCompany" runat="server" meta:resourcekey="lblCompany" />
B. <asp:Label ID="lblCompany" runat="server" Text="meta:lblCompany.Text" />
A. C. <asp:Label ID="lblCompany" runat="server" Text="<%$ Resources:lblCompanyText %>" />
B. D. <asp:Label ID="lblCompany" runat="server" Text="<%$ Resources:WebResources, lblCompanyText %>" />

Answer: D

Question: 85

You are developing an ASP.NET Web application. You create a master page. The master page requires a region where you can add page-specific content by using the ASP.NET page designer. You need to add a control to the master page

to define the region. Which control should you add?

A. Content
B. ContentPlaceHolder
C. PlaceHolder
D. Substitution

Answer: B

Explanation:
http://www.scribd.com/selftestengine/d/58942161-MICROSOFT-70-515CSHARP
http://content.yudu.com/Library/A1sxix/BeITCertifiedMicroso/resources/3.htm
http://freedownload.is/pdf/sample-exam-70-515-pdf-questions-790464.html

Question: 86

You are implementing an ASP.NET application that uses data-bound GridView controls in multiple pages. You add JavaScript code to periodically update specific types of data items in these GridView controls. You need to ensure that the JavaScript code can locate the HTML elements created for each row in these GridView controls, without needing to be changed if the controls are moved from one page to another. What should you do?

A. Replace the GridView control with a ListView control.
B. Set the ClientIDMode attribute to Predictable in the web.config file.
C. Set the ClientIDRowSuffix attribute of each unique GridView control to a different value.
D. Set the @ OutputCache directives VaryByControl attribute to the ID of the GridView control.

Answer: C

Question: 87

You have created an ASP.NET server control named ShoppingCart for use by other developers. Some developers report that the ShoppingCart control does not function properly with ViewState disabled. You want to ensure that all instances of the ShoppingCart control work even if ViewState is disabled. What should you do?

A. Require developers to set EnableViewStateMac to true.
B. Store state in ControlState instead of ViewState.
C. Serialize the state into an Application state entry called "MyControl".
D. Require developers to change the session state mode to SQLServer.

Answer: B

Question: 88

You are developing an ASP.NET Web application.
Application data is stored in a Microsoft SQL Server 2008 database. You configure a connection string named cnnContoso.
The application must cache the data that is returned from the database by using this connection string.
You need to ensure that the application checks the database every 10 seconds. What should you do?

A. Add the following configuration to the <system.web> section of the web.config file.
<caching>
<outputCacheSettings>
<outputCacheProfiles>
<add name="cnnContoso"
duration="10" />
</outputCacheProfiles>
</outputCacheSettings>
</caching>
B. Add the following configuration to the <system.web> section of the web.config file.
<caching>
<sqlCacheDependency enabled="true" pollTime="10000">
<databases>
<add name="ContosoDatabase"
connectionStringName="cnnContoso" />
</databases>
</sqlCacheDependency>
</caching>
C. Add the following @ Page directive to pages that query the database.
<%@ OutputCache Duration="10"
VaryByParam="cnnContoso" %>
D. Add the following @ Page directive to pages that query the database.
<%@ OutputCache Duration="10000"
VaryByParam="cnnContoso" %>

Answer: B

Question: 89

You are developing an ASP.NET Web page that contains input controls, validation controls, and a button named btnSubmit.
The page has the following code-behind. (Line numbers are included for reference only.)
01 public partial class _Default : System.Web.UI.Page
02 {
03protected void SaveToDatabase()
04{
05
06}
07
08protected void btnSubmit_Click(object sender,
EventArgs e)
09{
10
11}
12 }
You need to ensure that all data that is submitted passes validation before the data is saved in a database. What should you do?

A. Add the following method override.
protected override void OnInit(EventArgs e)
{

```
base.OnInit(e);
if (Page.IsValid) this.SaveToDatabase();
}
```
B. Add the following method override.
```
protected override void OnLoad(EventArgs e)
{
base.OnLoad(e);
if (Page.IsValid) this.SaveToDatabase();
}
```
C. Add the following method override.
```
protected override void OnPreRender(EventArgs e)
{
base.OnPreRender(e);
if (Page.IsValid) this.SaveToDatabase();
}
```
D. Add the following code segment at line 10.
```
if (Page.IsValid) this.SaveToDatabase();
```

Answer: D

Question: 90

You are creating an ASP.NET Web site. The site has a master page named Custom.master. The code-behind file for Custom.master contains the following code segment.
```
public partial class CustomMaster : MasterPage
{
public string Region
{
get; set;
}
protected void Page_Load(object sender, EventArgs e)
{
}
}
```
You create a new ASP.NET page and specify Custom.master as its master page. You add a Label control named lblRegion to the new page.
You need to display the value of the master page's Region property in lblRegion. What should you do?

A. Add the following code segment to the Page_Load method of the page code-behind file.
```
CustomMaster custom = this.Parent as CustomMaster;
lblRegion.Text = custom.Region;
```
B. Add the following code segment to the Page_Load method of the page code-behind file.
```
CustomMaster custom = this.Master as CustomMaster;
lblRegion.Text = custom.Region;
```
C. Add the following code segment to the Page_Load method of the Custom.Master.cs code-behind file.
```
Label lblRegion = Page.FindControl("lblRegion") as Label;
lblRegion.Text = this.Region;
```
D. Add the following code segment to the Page_Load method of the Custom.Master.cs code-behind file.
```
Label lblRegion = Master.FindControl("lblRegion") as Label;
lblRegion.Text = this.Region;
```

Answer: A

Question: 91

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

```
01  <script>
02 function changeColor(c) {
03 document.getElementById("message").style.color=c;
04 }
05  </script>
06
07  <p id="message">Welcome!</p>
08  <ul id="color">
09 <li>Black</li>
10 <li>Red</li>
11  </ul>
```

You need to ensure that when the user clicks an item in the list, the text color of the Welcome! message will change.
Which declaration should you use?

A.
```
<ul id="color">
<li onclick="changeColor(this.innerText);">Black</li>
<li onclick="changeColor(this.innerText);">Red</li>
</ul>
```
B.
```
<ul id="color">
<li onclick="changeColor(this.style.color);">Black</li>
<li onclick="changeColor(this.style.color);">Red</li>
</ul>
```
C.
```
<ul id="color">
<li><a onfocus="changeColor(this.innerText);">Red</a></li>
<li><a onfocus="changeColor(this.innerText);">Black</a></li>
</ul>
```
D.
```
<ul id="color">
<li><a onfocus="changeColor(this.style.color);">Red</a></li>
<li><a onfocus="changeColor(this.style.color);">Black</a></li>
</ul>
```

Answer: A

Question: 92

You create a Web page that contains drop-down menus that are defined by using div tags in the following code.

```
<div class="dropdown-menu">
<div class="menu-title">Menu One</div>
<div class="menu-items" style=" display:none ;">
<div><a href ="#">Item One</a></div>
<div><a href ="#">Item Two</a></div>
</div>
</div>
<div class="dropdown-menu">
<div class="menu-title">Menu Two</div>
```

```
<div class="menu-items" style=" display:none ;">
<div><a href ="#">Item Three</a></div>
<div><a href ="#">Item Four</a></div>
</div>
</div>
```

You need to write a JavaScript function that will enable the drop-down menus to activate when the user positions the mouse over the menu title. Which code segment should you use?

A.
```
$(".dropdown-menu").hover(
function () {
$(".menu-items"). slideDown (100);
},
function () {
$(".menu-items"). slideUp (100);
}
);
```

B.
```
$(".dropdown-menu").hover(
function () {
$(".menu-items", this). slideDown (100);
},
function () {
$(".menu-items", this). slideUp (100);
}
);
```

C.
```
$(".dropdown-menu").hover(
function () {
$(this). slideDown (100);
},
function () {
$(this). slideUp (100);
}
);
```

D.
```
$(".dropdown-menu").hover(
function () {
$(this, ".menu-title"). slideDown (100);
},
function () {
$(this, ".menu-title"). slideUp (100);
}
);
```

Answer: B

Explanation:
.hover() function
(http://api.jquery.com/hover/)

Question: 93

You create a Web page that contains the following div.

```
<div id="target">
```

You have a JavaScript array named imageurls that contains a list of image URLs. You need to write a JavaScript function that will insert images from the URLs into target. Which code segment should you use?

A. $(imageurls).each(function(i,url){
$("< img />", url).append("#target");
});
B. $(imageurls).each(function(i,url){
$("#target") += $("< img />"). attr (" src ", url);
});
C. $.each(imageurls , function(i,url){
$("< img />"). attr (" src ", url). appendTo ("#target");
});
D. $.each(imageurls , function(i,url){
$("#target").append("< img />"). src = url ;
});

Answer: C

Explanation:
.appendTo() Method
(http://api.jquery.com/appendTo/)
jQuery.each() Function
(http://api.jquery.com/jQuery.each/)

Question: 94

You are developing an ASP.NET Web page.
You add a data-bound GridView control. The GridView contains a TemplateField that includes a DropDownList. You set the GridViews ClientIDMode property to Static, and you set the ClientIDRowSuffix property to ProductID. You need to be able to reference individual DropDownList controls from client-side script by using the ProductID. What should you set the ClientIDMode property of the DropDownList to?

A. AutoID
B. Static
C. Inherit
D. Predictable

Answer: D

Explanation:
http://www.scribd.com/doc/63120741/35/Question-39
http://anandpandey.com/Certification/70-515/DisplayingandManipulatingData.aspx
http://mcpd.somee.com/515/515.htm

Question: 95

You are implementing an ASP.NET AJAX page that contains two div elements. You need to ensure that the content of each div element can be refreshed individually, without requiring a page refresh. What should you do?

A. Add a form, an update panel, and a script manager to the page. Add a content template to the update panel. Move the div elements into the content template.
B. Add two forms to the page. Add a script manager and an update panel to each form. Add a content template to each update panel, and move each div element into a content template.
C. Add a form and two update panels to the page. Add a script manager to the form. Add a content template to each update panel, and move a div element into each content template.
D. Add a form and two update panels to the page. Add two script managers to the form, one for each update panel. Add a content template to each update panel, and move each div element into a content template.

Answer: C

Question: 96

You create a Web page that contains the following image element.

You need to write a JavaScript function that will dynamically change which image is displayed. The function must be compatible across different browsers. Which code segment should you use?

A. function changeImage() {
myImage.src = "image2.png";
}
B. function changeImage() {
document.getElementById("myImage").src =
"image2.png";
}
C. function changeImage() {
getElementById("myImage").src =
"image2.png";
}
D. function changeImage() {
window.getElementById("myImage").src =
"image2.png";
}

Answer: B

Question: 97

A Web service returns a list of system users in the following format.
<?xml version="1.0" ?>
<users>
<user id="first">
<name>Name of first user</name>
<email>first@contoso.com</email>
</user>
<user id="second">
<name>Name of second user</name>
<email>second @contoso.com</email>
</user>
</users>

You need to populate a drop-down menu with the IDs and names of the users from the Web service, in the order provided by the service.
Which code segment should you use?

A. $.ajax({
type: "GET",
url: serviceURL,
success: function(xml) {
$.each($(xml), function(i, item) {
$("<option>").attr("value", id)
.text(tx).appendTo("#dropdown");
});
}
});
B. $.ajax({
type: "GET",
url: serviceURL,
success: function(xml) {
$(xml).find("user").each(function() {
var id = $(this).id;
var tx = $(this).name.text;
$("<option>").attr("value", id)
.text(tx).appendTo("#dropdown");
});
}
});
C. $.ajax({
type: "GET",
url: serviceURL,
success: function(xml) {
$(xml).find("user").each(function() {
var id = $(this).attr("id");
var tx = $(this).find("name").text();
$("<option>").attr("value", id)
.text(tx).appendTo("#dropdown");
});
}
});
D. $.ajax({
type: "GET",
url: serviceURL,
success: function(xml) {
xml.find("user").each(function(node) {
var id = $(node).attr("id");
var tx = $(node).find("name").text();
$("<option>").attr("value", id)
.text(tx).appendTo("#dropdown");
});
}
});

Answer: C

Explanation:
.each() function
(http://api.jquery.com/each/)
CHAPTER 9 Working with Client-Side Scripting, AJAX, and jQuery
Lesson 3: Implementing jQuery
Implementing AJAX with jQuery

Question: 98

You are implementing an ASP.NET AJAX page. You add two UpdatePanel controls named pnlA and pnlB. pnlA contains an UpdatePanel control named pnlAInner in its content template. You have the following requirements. Update panels pnlA and pnlB must refresh their content only when controls that they contain cause a postback. Update panel pnlAInner must refresh its content when controls in either pnlA or pnlB or pnlAInner cause a postback. You need to configure the panels to meet the requirements.
What should you do?

A. Set the UpdateMode of pnlA and pnlB to Conditional. Set the UpdateMode of pnlAInner to Always.
B. Set the UpdateMode of pnlA and pnlB to Conditional. Set the UpdateMode of pnlAInner to Conditional, and add AsyncPostBackTrigger elements to its Triggers element for every control in pnlA.
C. Set the UpdateMode of pnlA and pnlB to Always. Set the UpdateMode of pnlAInner to Conditional.
D. Set the UpdateMode of pnlA and pnlB to Always. Set the UpdateMode of pnlAInner to Always, and add AsyncPostBackTrigger elements to its Triggers element for every control in pnlB.

Answer: A

Question: 99

You are implementing an ASP.NET Web page. You need to add a text box that allows only values between 1 and 10, inclusive, to be submitted. Which two code segments should you use? (Each correct answer presents part of the solution. Choose two.)

A. <script type="text/javascript">
function validate_value(obj, args) {
return
(args.Value >= 1 && args.Value <= 10);
}
</script>
B. <script type="text/javascript">
function validate_value(obj, args) {
args.IsValid =
(args.Value >= 1 && args.Value <= 10);
}
</script>
C. <asp:TextBox ID="txt1" runat="server" />
<asp:CustomValidator ID="val1" runat="server"
ControlToValidate="txt1"
ClientValidationFunction="validate_value"
ErrorMessage="Value invalid" />

D. <asp:TextBox ID="txt1" runat="server" onChange="validate_value(this, args)" />

Answer: B, C

Explanation:
CHAPTER 5 Input Validation and Site Navigation
Lesson 1: Performing Input Validation
The CustomValidator Control

Question: 100

You are implementing an ASP.NET page that includes a text box. You need to validate values that are typed by users to ensure that only numeric values are submitted. Which control markup should you use?

A. <asp:TextBox ID="txt1" runat="server"
CausesValidation="true"
ValidationGroup="Numeric" />
B. <asp:TextBox ID="txt1" runat="server"
EnableClientScript="true"
ValidationGroup="Numeric" />
C. <asp:TextBox ID="txt1" runat="server" />
<asp:RegularExpressionValidator ID="val1"
runat="server"
ControlToValidate="txt1"
ValidationExpression="[0-9]*"
ErrorMessage="Invalid input value" />
D. <asp:TextBox ID="txt1" runat="server" />
<asp:RegularExpressionValidator ID="val1"
EnableClientScript="true" ControlToValidate="txt1"
ValidationExpression="[0-9]*"
ErrorMessage="Invalid input value" />

Answer: C

Explanation:
JavaScript executes as users enter and leave the focus of the controls on your page. Client-side validation is turned on by default. You can turn it off for specific validation controls by setting the EnableClientScript property to false.
CHAPTER 5 Input Validation and Site Navigation
Lesson 1: Performing Input Validation
Client-Side Validation (page 231)

Question: 101

You are developing an ASP.NET Web page.
The page contains the following markup.
<asp:GridView ID="gvModels" runat="server"
onrowdatabound="gvModels_RowDataBound"
AutoGenerateColumns="false">
<Columns>
<asp:BoundField DataField="Name" HeaderText="Model" />

```
<asp:TemplateField>
<ItemTemplate>
<asp:Image ID="img" runat="server" />
</ItemTemplate>
</asp:TemplateField>
</Columns>
</asp:GridView>
```

The pages code-behind file includes the following code segment. (Line numbers are included for reference only.)

```
01 protected void gvModels_RowDataBound(object sender,
GridViewRowEventArgs e)
02 {
03if (e.Row.RowType == DataControlRowType.DataRow)
04{
05CarModel cm = (CarModel)e.Row.DataItem;
06
07img.ImageUrl = String.Format("images/{0}.jpg",
cm.ID);
08
09}
10 }
```

You need to get a reference to the Image named img. Which code segment should you add at line 06?

A. Image img = (Image)Page.FindControl("img");
B. Image img = (Image)e.Row.FindControl("img");
C. Image img = (Image)gvModels.FindControl("img");
D. Image img = (Image)Page.Form.FindControl("img");

Answer: B

Question: 102

You are developing an ASP.NET MVC 2 application. A view contains a form that allows users to submit their first name. You need to display the value that is submitted, and you must ensure that your code avoids cross-site scripting. Which code segment should you use?

A. <%: Model.FirstName %>
B. <%= Model.FirstName %>
C. <% Response.Write(Model.FirstName); %>
D. <% Response.Write(HttpUtility.HtmlDecode(Model.FirstName)); %>

Answer: A

Explanation:
CHAPTER 14 Creating Websites with ASP.NET MVC 2
Lesson 2: Creating Models, Views, and Controllers
Creating Views - Creating Strongly Typed Views (page 859)

Question: 103

You are developing an ASP.NET Web page.

You add the following markup to the page.
<asp:FileUpload id="FileUpload1" runat="server" />
<asp:Button id="btnUpload" Text="Upload selected file"
OnClick="btnUpload_Click" runat="server" />
<asp:Label id="lblFeedback" runat="server" />
You add the following code segment to the code-behind. (Line numbers are included for reference only.)
01 protected void btnUpload_Click(object sender,
EventArgs e)
02 {
03if ()
04{
05string saveName = Path.Combine(@"c:\uploadedfiles\",
FileUpload1.FileName);
06
07lblFeedback.Text = "File successfully uploaded.";
08}
09else
10{
11lblFeedback.Text = "File upload failed.";
12}
13 }
You need to save the uploaded file and display a message to the user that indicates that the upload either succeeded or failed. Which two actions should you perform? (Each correct answer presents part of the solution. Choose two.)

A. Replace line 03 with the following code segment.
if (FileUpload1.HasFile)
B. Replace line 03 with the following code segment.
if (FileUpload1.FileContent.Length > 0)
C. Insert the following code segment at line 06.
FileUpload1.SaveAs(saveName);
D. Insert the following code segment at line 06.
FileUpload1.FileContent.CopyTo(new FileStream(saveName, FileMode.Open));

Answer: A, C

Explanation:
CHAPTER 4 Using Server Controls
Lesson 2: Exploring Specialized Server Controls
The FileUpload Control (page 202-204)

Question: 104

You are implementing a Web page that allows users to upload files to a Web server. The page includes a form that has a Submit button. You need to reject files larger than 1 MB. What should you do?

A. Add an HTML input type= file control. Add an onSubmit handler to the form to check the file size and cancel the form submission if the file size is too large.
B. Add an HTML input type= file control. Add an onChange handler to the input control to check the file size and cancel the upload if the file size is too large.
C. Add an ASP.NET FileUpload control and configure it to run on the server. Add a server-side OnClick handler to the form's Submit button to save the file only if the file size is allowed.

D. Add an ASP.NET FileUpload control and configure it to run on the server. Add a server-side OnDataBinding handler that saves the file only if the file size is allowed.

Answer: C

Question: 105

You create a Web page named TestPage.aspx and a user control named TestUserControl.ascx. TestPage.aspx uses TestUserControl.ascx as shown in the following line of code.
<uc:TestUserControl ID="testControl" runat="server"/>
On TestUserControl.ascx, you need to add a read-only member named CityName to return the value "New York". You also must add code to TestPage.aspx to read this value.
Which two actions should you perform? (Each correct answer presents part of the solution. Choose two.)

A. Add the following line of code to the TestUserControl.ascx.cs code-behind file.
public string CityName {
get { return "New York" ; }
}
B. Add the following line of code to the TestUserControl.ascx.cs code-behind file.
protected readonly string CityName = "New York" ;
C. Add the following code segment to the TestPage.aspx.cs code-behind file.
protected void Page_Load(object sender, EventArgs e)
{
strings = testControl.CityName;
}
D. Add the following code segment to the TestPage.aspx.cs code-behind file.
protected void Page_Load(object sender, EventArgs e)
{
string s = testControl.Attributes["CityName"];
}

Answer: A, C

Explanation:
CHAPTER 7 Creating Custom Web Controls
Lesson 1: Creating User Controls
Defining Properties in User Controls (page 337-339)

Question: 106

You use the following declaration to add a Web user control named TestUserControl.ascx to an ASP.NET page named TestPage.aspx.
<uc:TestUserControl ID="testControl" runat="server"/>
You add the following code to the code-behind file of TestPage.aspx.
private void TestMethod()
{
…
}
You define the following delegate.
public delegate void MyEventHandler();Y

ou need to add an event of type MyEventHandler named MyEvent to TestUserControl.ascx and attach the pages TestMethod method to the event. Which two actions should you perform? (Each correct answer presents part of the solution. Choose two.)

A. Add the following line of code to TestUserControl.ascx.cs.
public event MyEventHandler MyEvent;
B. Add the following line of code to TestUserControl.ascx.cs.
public MyEventHandler MyEvent;
C. Replace the TestUserControl.ascx reference in TestPage.aspx with the following declaration.
<uc:TestUserControl ID="testControl" runat="server"
OnMyEvent="TestMethod"/>
D. Replace the TestUserControl.ascx reference in TestPage.aspx with the following declaration.
<uc:TestUserControl ID="testControl" runat="server"
MyEvent="TestMethod"/>

Answer: A, C

Explanation:
CHAPTER 7 Creating Custom Web Controls
Lesson 1: Creating User Controls
Defining User Control Events (page 333-337)

Question: 107

You are implementing an ASP.NET Web site that uses a custom server control named Task. Task is defined as shown in the following list.
• Class name: Task
• Namespace: DevControls
• Assembly: TestServerControl.dll
• Base class: System.Web.UI.WebControls.WebControl
You copy TestServerControl.dll to the Web sites Bin folder.
You need to allow the Task control to be declaratively used on site pages that do not contain an explicit @ Register directive.
Which configuration should you add to the web.config file?

A. <appSettings>
<add key="Dev:Task"
value="DevControls, DevControls.Task"/>
</appSettings>
B. <compilation targetFramework="4.0" explicit="false">
<assemblies>
<add assembly="TestServerControl" />
</assemblies>
</compilation>
C. <pages>
<controls>
<add assembly="TestServerControl" namespace="DevControls"
tagPrefix="Dev"/>
</controls>
</pages>
D. <pages>

```
<tagMapping>
<add tagType="System.Web.UI.WebControls.WebControl"
mappedTagType="DevControls.Task"/>
</tagMapping>
</pages>
```

Answer: C

Explanation:
CHAPTER 7 Creating Custom Web Controls
Lesson 2: Creating Custom Web Server Controls
Registering Your Controls in Web.config (page 378-379)

Question: 108

You create a new ASP.NET MVC 2 Web application. The following default routes are created in the Global.asax.cs file. (Line numbers are included for reference only.)

```
01 public static void RegisterRoutes(RouteCollection routes)
02 {
03 routes.IgnoreRoute("{resource}.axd/{*pathInfo}");
04
05 routes.MapRoute(
"Default",
"{controller}/{action}/{id}",
new { controller = "Home", action = "Index", id = "" }
);
06 }
```

You implement a controller named HomeController that includes methods with the following signatures.

```
public ActionResult Index()
public ActionResult Details ( int id )
public ActionResult DetailsByUsername(string username)
```

You need to add a route to meet the following requirements.

- The details for a user must be displayed when a user name is entered as the path by invoking the DetailsByUsername action.
- User names can contain alphanumeric characters and underscores, and can be between 3 and 20 characters long.

What should you do?

A. Replace line 05 with the following code segment.

```
routes.MapRoute(
"Default",
"{controller}/{action}/{id}",
new { controller = "Home", action = "DetailsByUsername",
id = "" }
);
```

B. Replace line 05 with the following code segment.

```
routes.MapRoute(
"Default",
"{controller}/{action}/{username}",
new { controller = "Home", action = "DetailsByUsername",
username = "" } ,
new { username = @"\w{3,20}" }
```

);
C. At line 04, add the following code segment.
routes.MapRoute(
"Details by Username",
"{username}",
new { controller = "Home", action = "DetailsByUsername" },
new { username = @"\w{3,20}" }
);
D. At line 04, add the following code segment.
routes.MapRoute(
"Details by Username",
"{id}",
new { controller = "Home", action = "DetailsByUsername" },
new { id = @"\w{3,20}" }
);

Answer: C

Question: 109

You are implementing an ASP. NET MVC 2 Web application. You add a controller named CompanyController.
You need to modify the application to handle the URL path /company/info.
Which two actions should you perform? (Each correct answer presents part of the solution. Choose two.)

A. Add the following method to the CompanyController class.
public ActionResult Info ()
{
return View();
}
B. Add the following method to the CompanyController class.
public ActionResult Company_Info ()
{
return View();
}
C. Right-click the Views folder, and select View from the Add submenu to create the view for the action.
D. Right-click inside the action method in the CompanyController class, and select Add View to create a view for the action.

Answer: A, D

Explanation:
CHAPTER 14 Creating Websites with ASP.NET MVC 2
Lesson 2: Creating Models, Views, and Controllers
Creating Controllers, Creating Views (page 851-857)

Question: 110

You are implementing an ASP.NET MVC 2 Web application that contains the following class.
public class DepartmentController : Controller
{

```
static List<Department> departments =
new List<Department>();
public ActionResult Index()
{
return View(departments);
}
public ActionResult Details(int id)
{
return View(departments.Find(x => x.ID==id));
}
public ActionResult ListEmployees(Department d)
{
List<Employee> employees = GetEmployees(d);
return View(employees);
}
}
```

You create a strongly typed view that displays details for a Department instance. You want the view to also include a listing of department employees. You need to write a code segment that will call the ListEmployees action method and output the results in place. Which code segment should you use?

A. <%= Html.Action("ListEmployees", Model) %>
B. <%= Html.ActionLink("ListEmployees", "Department",
"DepartmentController") %>
C. <% Html.RenderPartial("ListEmployees", Model); %>
D. <%= Html.DisplayForModel("ListEmployees") %>

Answer: A

Explanation:
Html.Action(string, object) invokes a child action method and returns the result as an HTML string.
ChildActionExtensions.Action Method
(http://msdn.microsoft.com/en-s/library/system.web.mvc.html.childactionextensions.action.aspx)
Html.DisplayForModel() Method returns HTML markup for each property in the model.
Html.DisplayForModel(string, object) Method returns HTML markup for each property in the model, using the specified template and additional view data.
RenderPartialExtensions.RenderPartial Method
(http://msdn.microsoft.com/en-us/library/system.web.mvc.html.renderpartialextensions.renderpartial.aspx)
The ActionLink method renders an element that links to an action method.
LinkExtensions.ActionLink Method
(http://msdn.microsoft.com/en-us/library/system.web.mvc.html.linkextensions.actionlink.aspx)

Question: 111

You are developing an ASP.NET MVC 2 Web application.
A page makes an AJAX request and expects a list of company names in the following format.
["Adventure Works","Contoso"]
You need to write an action method that returns the response in the correct format.
Which type should you return from the action method?

A. AjaxHelper
B. XDocument

C. JsonResult
D. DataContractJsonSerializer

Answer: C

Question: 112

You are implementing an ASP.NET MVC 2 Web application that contains several folders.
The Views/Shared/DisplayTemplates folder contains a templated helper named Score.ascx that performs custom formatting of integer values.
The Models folder contains a class named Player with the following definition.

```
public class Player
{
public String Name { get; set; }
public int LastScore { get; set; }
public int HighScore { get; set; }
}
```

You need to ensure that the custom formatting is applied to LastScore values when the HtmlHelper.DisplayForModel method is called for any view in the application that has a model of type Player.
What should you do?

A. Rename Score.ascx to LastScore.ascx.
B. Move Score.ascx from the Views/Shared/DisplayTemplates folder to the Views/Player/DisplayTemplates folder.
C. Add the following attribute to the LastScore property.
[UIHint("Score")]
D. Add the following attribute to the LastScore property.
[Display(Name="LastScore", ShortName="Score")]

Answer: C

Question: 113

You are implementing an ASP.NET MVC 2 application. In the Areas folder, you add a subfolder named Product to create a single project area. You add files named ProductController.cs and Index.aspx to the appropriate subfolders. You then add a file named Route.cs to the Product folder that contains the following code. (Line numbers are included for reference only.)

```
01 public class Routes : AreaRegistration
02 {
03 public override string AreaName
04 {
05 get { return "product"; }
06 }
07
08 public override void RegisterArea(
AreaRegistrationContext context)
09 {
10 context.MapRoute("product_default",
"product/{controller}/{action}/{id}",
new { controller = "Product", action = "Index",
id = "" });
```

11 }
12 }
When you load the URL Error! Hyperlink reference not valid./product, you discover that the correct page is not returned. You need to ensure that the correct page is returned. What should you do?

A. Replace line 10 with the following code segment.
context.MapRoute("product_default",
"{area}/{controller}/{action}/{id}",
new {area="product", controller = "Product", action = "Index", id = "" });
B. Replace line 10 with the following code segment.
context.MapRoute("product_default",
"{area}",
new { controller = "Product", action = "Index", id = "" });
C. Add the following code segment at line 11.
AreaRegistration.RegisterAllAreas();
D. Add the following code segment to the RegisterRoutes method in the Global.asax.cs file.
AreaRegistration.RegisterAllAreas();

Answer: C

Question: 114

You are developing an ASP.NET MVC 2 Web application. The application contains a controller named HomeController, which has an action named Index. The application also contains a separate area named Blog. A view within the Blog area must contain an ActionLink that will link to the Index action of the HomeController. You need to ensure that the ActionLink in the Blog area links to the Index action of the HomeController. Which ActionLink should you use?

A. Html.ActionLink("Home", "Index", "Home")
B. Html.ActionLink("Home", "Index", "Home",
new {area = ""}, null)
C. Html.ActionLink("Home", "Index", "Home",
new {area = "Blog"}, null)
D. Html.ActionLink("Home", "Index", "Home",
new {area = "Home"}, null)

Answer: B

Question: 115

You are implementing an ASP.NET Web site. The root directory of the site contains a page named Error.aspx. You need to display the Error.aspx page if an unhandled error occurs on any page within the site. You also must ensure that the original URL in the browser is not changed. What should you do?

A. Add the following configuration to the web.config file.
<system.web>
<customErrors mode="On">
<error statusCode="500" redirect="~/Error.aspx" />
</customErrors>
</system.web>
B. Add the following configuration to the web.config file.

```
<system.web>
<customErrors redirectMode="ResponseRewrite"
mode="On" defaultRedirect="~/Error.aspx" />
</system.web>
```

C. Add the following code segment to the Global.asax file.

```
void Application_Error(object sender, EventArgs e)
{
Response.Redirect("~/Error.aspx");
}
```

D. Add the following code segment to the Global.asax file.

```
void Page_Error(object sender, EventArgs e)
{
Server.Transfer("~/Error.aspx");
}
```

Answer: B

Question: 116

You are deploying an ASP.NET Web application to a remote server. You need to choose a deployment method that will ensure that all IIS settings, in addition to the Web content, will deploy to the remote server. Which deployment method should you choose?

A. the XCOPY command-line tool
B. the Copy Web Site tool
C. the Web Deployment tool
D. the Publish Web Site utility

Answer: C

Question: 117

You use the ASP.NET Web Application template to create an application in a new Visual Studio solution. The project uses types that are defined in a class library project.Source code for the class library is frequently modified. You need to ensure that classes in the Web application project always reference the most recent version of the class library types. What should you do?

A. Add the class library project to the solution. Modify the class library project to add a reference to the Web application project.
B. Add the class library project to the solution. Modify the Web application project to add a reference to the class library project.
C. Add a post-build step to the Web application project that copies the most recent version of the class library assembly to the bin folder of the Web application.
D. Add a post-build step to the class library project that copies the most recent version of the class library assembly to the App_Code folder of the Web application. In the <compilation /> section of the web.config file, add an <assembly /> entry that specifies the location of the class library assembly.

Answer: B

Question: 118

You are implementing an ASP.NET Web application. Users will authenticate to the application with an ID.The application will allow new users to register for an account. The application will generate an ID for the user based on the users full name. You need to implement this registration functionality. Which two actions should you perform? (Each correct answer presents part of the solution. Choose two.)

A. Configure the SqlMembershipProvider in the web.config file.
B. Configure the SqlProfileProvider in the web.config file.
C. Create an ASP.NET page that contains a default CreateUserWizard control to create a new user account.
D. Create an ASP.NET page that contains a custom form that collects the user information and then uses the Membership.CreateUser method to create a new user account.

Answer: A, D

Explanation:
CHAPTER 13 Implementing User Profiles, Authentication, and Authorization
Lesson 1: Working with User Profiles
SqlMembershipProvider Class (http://msdn.microsoft.com/en-us/library/system.web.security.sqlmembershipprovider.aspx)

Question: 119

You are creating an ASP.NET Web site. The site is configured to use Membership and Role management providers. You need to check whether the currently logged-on user is a member of a role named Administrators. Which code segment should you use?

A. bool isMember = Roles.GetUsersInRole("Administrators").Any();
B. bool isMember = Membership.ValidateUser(User.Identity.Name, "Administrators");
C. bool isMember = Roles.GetRolesForUser("Administrators").Any();
D. bool isMember = User.IsInRole("Administrators");

Answer: D

Question: 120

You are creating an ASP.NET Web application. The application must call a WCF service by using a WCF routing service. You need to ensure that the application can invoke the target service by using the router endpoint. What should you do?

A. Add a service reference to the router service. In the client binding configuration, specify the address of the router service.
B. Add a service reference to the target service. In the client binding configuration, specify the address of the target service.
C. Add a service reference to the router service. In the client binding configuration, specify the address of the target service.
D. Add a service reference to the target service. In the client binding configuration, specify the address of the router service.

Answer: D

Question: 121

You are creating an ASP.NET Web site. You create a HTTP module named CustomModule, and you register the module in the web.config file. The CustomModule class contains the following code.

```
public class CustomModule : IHttpModule
{
string footerContent = "<div>Footer Content</div>";
public void Dispose( ) {}
}
```

You need to add code to CustomModule to append the footer content to each processed ASP.NET page.
Which code segment should you use?

A.
```
public CustomModule(HttpApplication app)
{
app.EndRequest += new EventHandler(app_EndRequest);
}
void app_EndRequest(object sender, EventArgs e)
{
HttpApplication app = sender as HttpApplication;
app.Response.Write(footerContent);
}
```

B.
```
public void Init(HttpApplication app) {
app.EndRequest += new EventHandler(app_EndRequest);
}
void app_EndRequest(object sender, EventArgs e)
{
HttpApplication app = new HttpApplication();
app.Response.Write(footerContent);
}
```

C.
```
public CustomModule()
{
HttpApplication app = new HttpApplication();
app.EndRequest += new EventHandler(app_EndRequest); }
void app_EndRequest(object sender, EventArgs e)
{
HttpApplication app = sender as HttpApplication;
app.Response.Write(footerContent);
}
```

D.
```
public void Init(HttpApplication app)
{
app.EndRequest += new EventHandler(app_EndRequest); }
void app_EndRequest(object sender, EventArgs e)
{
HttpApplication app = sender as HttpApplication;
app.Response.Write(footerContent); }
```

Answer: B

Question: 122

You deploy an ASP.NET application to an IIS server. You need to log health-monitoring events with severity level of error to the Windows application event log. What should you do?

A. Run the aspnet_regiis.exe command.
B. Set the Treat warnings as errors option to All in the project properties and recompile.
C. Add the following rule to the healthMonitoring section of the web.config file.
<rules>
<add name="Failures"
eventName="Failure Audits"
provider="EventLogProvider" />
</rules>
D. Add the following rule to the healthMonitoring section of the web.config file.
<rules>
<add name="Errors"eventName="All Errors"provider="EventLogProvider" />
</rules>

Answer: D

Question: 123

You are developing an ASP.NET Dynamic Data Web application.
Boolean fields must display as Yes or No instead of as a check box. You replace the markup in the default Boolean field template with the following markup.
<asp:Label runat="server" ID="label" />
You need to implement the code that displays Yes or No.
Which method of the FieldTemplateUserControl class should you override in the BooleanField class?

A. OnLoad
B. Construct
C. OnDataBinding
D. SaveControlState

Answer: C

Question: 124

You are implementing an ASP.NET page. You add and configure the following ObjectDataSource.
<asp:ObjectDataSource SelectMethod="GetProductByProductId"
ID="odc" runat="server" TypeName="ProductDAL">
<SelectParameters>
<asp:Parameter Name="productId" Type="Int32" />
</SelectParameters>
</asp:ObjectDataSource>
The page will be called with a query string field named pid.
You need to configure the ObjectDataSource control to pass the value of the pid field to GetProductsByProductId method. What should you do?

A. Replace the asp:Parameter with the following declaration.

<asp:QueryStringParameter DefaultValue="pid" Name="productId"
Type="Int32" />
B. Replace the asp:Parameter with the following declaration.
<asp:QueryStringParameter QueryStringField="pid" Name="productId" Type="Int32" />
C. Add the following event handler to the Selecting event of the ObjectDataSource control.
protected void odc_Selecting(object sender,
ObjectDataSourceSelectingEventArgs e)
{
e.InputParameters["p id "] = Request.QueryString["p roductId "];
}
D. Add the following code segment to the pages code-behind.
protected void Page_Load(object sender, EventArgs e)
{
odc.SelectParameters.Add("productId", Request.QueryString["p i d"]);
}

Answer: B

Question: 125

You are implementing an ASP.NET page. Client-side script requires data. Your application includes a class named Person with a Name property of type string.
The code-behind file of the page includes the following code segment.
public string JsonValue;
List<Person> people = GetPeopleList();
JavaScriptSerializer json = new JavaScriptSerializer();
You need to use the JavaScriptSerializer class to serialize only the value of the Name property of each item in the people list. Which code segment should you use?

A. JsonValue = json.Serialize(people.Select(p => p.Name));
B. var names = from person in people
select person;
JsonValue = "{" + json.Serialize(names) + "}";
C. JsonValue = json.Serialize(people.SelectMany(p => p.Name.AsEnumerable()));
D. var names = from person in people
select person;
JsonValue = json.Serialize(names);

Answer: A

Question: 126

You are developing an ASP.NET Web page that will display the median value from a sequence of integer values. You need to create an extension method to compute the median value. Which interface should you add the extension method to?

A. IComparer<T>
B. IEnumerable<T>
C. IEnumerator<T>
D. IEqualityComparer<T>

Answer: B

Question: 127

You are implementing an ASP.NET Dynamic Data Web site. The Web site includes a data context that enables automatic scaffolding for all tables in the data model.
The Global.asax.cs file contains the following code segment.

```
public static void RegisterRoutes(RouteCollection routes) {
{
routes.Add(new DynamicDataRoute("{table}/ListDetails.aspx")
{
Action = PageAction.List,
ViewName = "ListDetails",
Model = DefaultModel
});
routes.Add(new DynamicDataRoute("{table}/ListDetails.aspx")
{
Action = PageAction.Details,
ViewName = "ListDetails",
Model = DefaultModel
});
}
```

You need to display the items in a table named Products by using a custom layout. What should you do?

A. Add a new Web page named Products.aspx to the Dynamic Data\PageTemplates folder of the Web site.
B. Add a new folder named Products to the Dynamic Data\CustomPages folder of the Web site. Add a new Web page named ListDetails.aspx to the Products folder.
C. Add a new Web user control named Products.ascx to the Dynamic Data\Filters folder of the Web site. In the code-behind file for the control, change the base class from UserControl to System.Web.DynamicData.QueryableFilterUserControl.
D. Add a new Web user control named Products_ListDetails.ascx to the Dynamic Data\EntityTemplates folder of the Web site. In the code-behind file for the control, change the base class from UserControl to System.Web.DynamicData.EntityTemplateUserControl.

Answer: B

Question: 128

You are implementing a WCF service library. You add a new code file that contains the following code segment.

```
namespace ContosoWCF
{
[ServiceContract]
public interface IRateService
{
[OperationContract]
decimal GetCurrentRate();
}
public partial class RateService : IRateService
{
```

```
public decimal GetCurrentRate()
{
decimal currentRate = GetRateFromDatabase();
return currentRate;
}
}
}
```

You build the service library and deploy its assembly to an IIS application. You need to ensure that the GetCurrentRate method can be called from JavaScript. What should you do?

A. Add a file named Service.svc to the IIS application.
Add the following code segment to the file.

```
<%@ ServiceHost Service="ContosoWCF.IRateService"
Factory="System.ServiceModel.Activation.WebScriptServiceHostFactory"
%>
```

B. Add a file named Service.svc to the IIS application.
Add the following code segment to the file.

```
<%@ ServiceHost Service="ContosoWCF.RateService"
Factory="System.ServiceModel.Activation.WebScriptServiceHostFactory"
%>
```

C. Apply the ScriptService attribute to the RateService class. Rebuild the WCF service library, and redeploy the assembly to the IIS application.
D. Apply the WebGet attribute to the GetCurrentRate interface method. Rebuild the WCF service library, and redeploy the assembly to the IIS application.

Answer: B

Question: 129

You are implementing an ASP.NET page. The page includes a method named GetCustomerOrderDataSet that returns a DataSet. The DataSet includes a DataTable named CustomerDetailsTable and a DataTable named OrderDetailsTable. You need to display the data in OrderDetailsTable in a DetailsView control named dtlView. Which code segment should you use?

A.

```
dtlView.DataSource = GetCustomerOrderDataSet();
dtlView.DataMember = "OrderDetailsTable";
dtlView.DataBind();
```

B.

```
dtlView.DataSource = GetCustomerOrderDataSet();
dtlView.DataSourceID = "OrderDetailsTable";
dtlView.DataBind();
```

C.

```
dtlView.DataSource = GetCustomerOrderDataSet();
dtlView.DataKeyNames = new string [] { "OrderDetailsTable"};
dtlView.DataBind();
```

D.

```
DataSet dataSet = GetCustomerOrderDataSet();
dtlView.DataSource = new DataTable("dataSet", "OrderDetailsTable"); dtlView.DataBind();
```

Answer: A

Question: 130

You are developing an ASP.NET Web service.The following code segment implements the service. (Line numbers are included for reference only.)

```
01 [WebServiceBinding(ConformsTo =
WsiProfiles.BasicProfile1_1)]
02 public class ProductService :
System.Web.Services.WebService
03 {
04[WebMethod]
05public Product GetProduct(string name)
06{
07
08}
09
10[WebMethod]
11public Product GetProduct(int id)
12{
13
14}
15 }
```

You need to ensure that both GetProduct methods can be called from a Web client. Which two actions should you perform? (Each correct answer presents part of the solution. Choose two.)

A. Remove line 01.
B. Add the static modifier on lines 05 and 11.
C. Add the following attribute before line 10. [SoapDocumentMethod(Action="GetProductById")]
D. Modify the attribute on line 10 as follows.
[WebMethod(MessageName="GetProductById")]

Answer: A, D

Explanation:
WebServiceBindingAttribute Class
(http://msdn.microsoft.com/en-us/library/system.web.services.webservicebindingattribute.aspx)

Question: 131

You are developing an ASP.NET Web page.The page includes a List<Product> instance. You add a FormView control to display a single Product from this list. You need to bind the list to the FormView control. Which FormView property should you set in the code-behind file?

A. DataSource
B. DataSourceID
C. DataKeyNames
D. DataMember

Answer: A

Explanation:
http://anandpandey.com/Certification/70-515/DisplayingandManipulatingData.aspx
http://www.scribd.com/doc/63120741/39/Question-43

http://mcpd.someee.com/515/515.htm

Question: 132

You are testing an existing ASP.NET page. The page includes a text You are able to execute malicious JavaScript code by typing it in the text box and submitting. You need to configure the page to prevent JavaScript code from being submitted by the text box. In the @ Page directive, which attribute should you set to true?

A. the EnableEventValidation attribute
B. the ResponseEncoding attribute
C. the ValidateRequest attribute
D. the Strict attribute

Answer: C

Question: 133

You are implementing an ASP.NET page.
You add asp:Button controls for Help and for Detail.
You add an ASP.NET skin file named default.skin to a theme.
You need to create and use a separate style for the Help button, and you must use the default style for the Detail button. What should you do?

A. Add the following markup to the default.skin file.
< asp:Button ID="Help"></ asp:Button >
< asp:Button ID="Default"></ asp:Button >
Use the following markup for the buttons in the ASP.NET page.
< asp:Button SkinID ="Help">Help</ asp:Button >
< asp:Button SkinID ="Default">Detail</ asp:Button >
B. Add the following markup to the default.skin file.
< asp:Button SkinID ="Help"></ asp:Button >
< asp:Button ID="Default"></ asp:Button >
Use the following markup for the buttons in the ASP.NET page.
< asp:Button SkinID ="Help">Help</ asp:Button >
< asp:Button SkinID ="Default">Detail</ asp:Button >
C. Add the following code segment to default.skin.
< asp:Button SkinID ="Help"></ asp:Button >
< asp:Button ></ asp:Button >
Use the following markup for the buttons in the ASP.NET page.
< asp:Button SkinID ="Help"></ asp:Button >
< asp:Button SkinID ="Default">Detail</ asp:Button >
D. Add the following markup to default.skin.
< asp:Button SkinID ="Help"></ asp:Button >
< asp:Button ></ asp:Button >
Use the following markup for the buttons in the ASP.NET page.
< asp:Button SkinID ="Help">Help</ asp:Button >
< asp:Button >Detail</ asp:Button >

Answer: D

Question: 134

You are implementing an ASP.NET page in an e-commerce application. Code in a btnAddToCart_Click event handler adds a product to the shopping cart. The page should check the status of the shopping cart and always show a cart icon when one or more items are in the shopping cart. The page should hide the icon when the shopping cart has no items. You need to add an event handler to implement this requirement. Which event handler should you add?

A. btnAddToCart_Click
B. Page_Load
C. Page_PreRender
D. Page_PreInit

Answer: C

Question: 135

You are implementing a read-only page that includes the following controls.
<asp:Button ID="btnRefresh" runat="server" Text="Button" />
<asp:GridView ID="gvCustomers" runat="server" EnableViewState="False"
OnDataBinding="gvCustomers_DataBinding">
</asp:GridView>
You disable view state to improve performance. You need to ensure that the page is updated to display the latest data when the user clicks the refresh button. Which code segment should you use?

A.
```
protected void Page_PreInit(object sender, EventArgs e)
{
if (!IsPostBack)
{
gvCustomers.DataSource = GetCustomers();
gvCustomers.DataBind();
}
}
```
B.
```
protected void Page_Load(object sender, EventArgs e)
{
gvCustomers.DataSource = GetCustomers();
gvCustomers.DataBind();
}
```
C.
```
protected void gvCustomers_DataBinding(object sender, EventArgs e)
{
gvCustomers.DataSource = GetCustomers();
gvCustomers.DataBind();
}
```
D.
```
protected void Page_PreRender(object sender, EventArgs e)
{
if (!IsPostBack)
{
gvCustomers.DataSource = GetCustomers();
gvCustomers.DataBind();
}
}
```

Answer: B

Question: 136

You are implementing an ASP.NET application that includes the following requirements. Retrieve the number of active bugs from the cache, if the number is present. If the number is not found in the cache, call a method named GetActiveBugs, and save the result under the ActiveBugs cache key. Ensure that cached data expires after 30 seconds. You need to add code to fulfill the requirements. Which code segment should you add?

A.
```
int numOfActiveBugs = (int)Cache["ActiveBugs"];
if (!numOfActiveBugs.HasValue)
{
int result = GetActiveBugs();
Cache.Insert("ActiveBugs", result, null,
DateTime.Now.AddSeconds(30), Cache.NoSlidingExpiration);
numOfActiveBugs = result;
}
ActiveBugs = numOfActiveBugs.Value;
```
B.
```
int numOfActiveBugs = (int) Cache.Get("ActiveBugs");
if (numOfActiveBugs != 0)
{
int result = GetActiveBugs();
Cache.Insert("ActiveBugs", result, null,
DateTime.Now.AddSeconds(30), Cache.NoSlidingExpiration);
numOfActiveBugs = result;
}
ActiveBugs = numOfActiveBugs;
```
C.
```
int numOfActiveBugs = 0;
if (Cache["ActiveBugs"] == null)
{
int result = GetActiveBugs();
Cache.Add("ActiveBugs", result, null, DateTime.Now.AddSeconds(30), Cache.NoSlidingExpiration,
CacheItemPriority.Normal, null); Cache.NoSlidingExpiration, CacheItemPriority.Normal, null);
numOfActiveBugs = result;
}
ActiveBugs = numOfActiveBugs;
```
D.
```
int numOfActiveBugs = (int?)Cache["ActiveBugs"];
if (!numOfActiveBugs.HasValue)
{
int result = GetActiveBugs();
Cache.Insert("ActiveBugs", result, null,
Cache.NoAbsoluteExpiration, TimeSpan.FromSeconds(30));
numOfActiveBugs = result;
}
ActiveBugs = numOfActiveBugs.Value;
```

Answer: A

Question: 137

You are developing a Web page. The user types a credit card number into an input control named cc and clicks a button named submit. The submit button sends the credit card number to the server. A JavaScript library includes a CheckCreditCard function that returns a value of true if the credit card appears to be valid, based on its checksum. You need to ensure that the form cannot be used to submit invalid credit card numbers to the server. What should you do?

A. Configure the input control to run on the server. On the submit button, add a server-side OnClick handler that calls CheckCreditCard and rejects the form submission if the input is invalid.
B. On the input control, add an onChange handler that calls CheckCreditCard and cancels the form submission when the input is invalid.
C. Configure the input control and the submit button to run on the server. Add a submit_OnClick handler that calls CheckCreditCard and rejects the form submission if the input is invalid.
D. On the form, add an onSubmit handler that calls CheckCreditCard and cancels the form submission if the input is invalid.

Answer: D

Question: 138

You are dynamically adding controls to an ASP.NET page in the Page_Load event handler. The page will have text boxes that correspond to the columns in a database table. Each text box will be preceded by a label that displays the name of the corresponding column. You need to create the form so that when the user clicks the label, the corresponding text box is selected for input. What should you do?

A. For each column, output the following HTML, where COL is replaced by the name of the column.
<label>COL</label>
<input name="COL" type="text" id="COL" />
B. For each column, output the following HTML, where COL is replaced by the name of the column.
<label AssociatedControlID="COL">COL</label>
<input name="COL" type="text" id="COL" />
C. For each column, create an asp:Label control and a corresponding asp:TextBox that have the same ID.
D. For each column, create an asp:Label control and set the AssociatedControlID to the ID of the corresponding asp:Textbox control.

Answer: D

Question: 139

You create a custom server control named Task that contains the following code segment. (Line numbers are included for reference only.)
01 namespace DevControls
02{
03public class Task : WebControl
04{
05 [DefaultValue("")]
06public string Title { ... }
08protected override void RenderContents(
HtmlTextWriter output)
09{
10output.Write(Title);

11}
12 }
13}
You need to ensure that adding a Task control from the Toolbox creates markup in the following format.
<Dev:Task ID="Task1" runat="server" Title="New Task" />
Which two actions should you perform? (Each correct answer presents part of the solution. Choose two.)

A. Add the following code segment to the project's AssemblyInfo.cs file.
[assembly: TagPrefix("DevControls", "Dev")]
B. Replace line 05 with the following code segment.
[DefaultValue("New Task")]
C. Insert the following code segment immediately before line 03.
[ToolboxData("<{0}:Task runat=\"server\" Title=\"New Task\" />")]
D. Replace line 10 with the following code segment.
output.Write("<Dev:Task runat=\"server\" Title=\"New Task\" />");

Answer: A, C

Explanation:
CHAPTER 7 Creating Custom Web Controls
Lesson 2: Creating Custom Web Server Controls
Controlling the Markup Generated for Your Custom Web Server Control (page 369)

Question: 140

You create an ASP.NET page that contains the following tag.
<h1 id="hdr1" runat="server">Page Name</h1>
You need to write code that will change the contents of the tag dynamically when the page is loaded. What are two possible ways to achieve this goal? (Each correct answer presents a complete solution. Choose two.)

A. this.hdr1.InnerHtml = "Text";
B. (hdr1.Parent as HtmlGenericControl).InnerText = "Text";
C. HtmlGenericControl h1 =
this.FindControl("hdr1") as HtmlGenericControl;
h1.InnerText = "Text";
D. HtmlGenericControl h1 =
Parent.FindControl("hdr1") as HtmlGenericControl;
h1.InnerText = "Text";

Answer: A, C

Question: 141

You are implementing an ASP.NET application that makes extensive use of JavaScript libraries. Not all pages use all scripts, and some scripts depend on other scripts. When these libraries load sequentially, some of your pages load too slowly. You need to use the ASP.NET Ajax Library Script Loader to load these scripts in parallel. Which two actions should you perform? (Each correct answer presents part of the solution. Choose two.)

A. In your site's master page, add a call to Sys.loader.defineScripts to define each of the scripts that are used in the site.

B. In your site's master page, add a call to Sys.loader.registerScript to define each of the scripts that are used in the site.
C. In each page that users scripts, add a call to Sys.get for each script that is needed in that page.
D. In each page that users scripts, add a call to Sys.require for each script that is needed in that page.

Answer: A, D

Explanation:
The ASP.NET Ajax Library's Script Loader provides a flexible way to load scripts required by a page as well as any dependencies that may be needed. Because it loads scripts in parallel the page's load time is minimized and the amount of code needed to load scripts, their dependencies and components is significantly reduced.
To load ASP.NET Ajax Library or jQuery scripts a collection called Sys.scripts (defined in the ASP.NET Ajax Library's Start.js file) can be used along with a call to Sys.require.
In cases where a custom script has dependencies on one or more scripts a custom metadata file can be created to define the dependencies. This metadata file can define all the scripts involved using the Script Loader's Sys.loader.defineScripts function. The metadata script defines the custom scripts to load as well as any dependencies they may have.
HOW TO Load Required Scripts
(http://www.asp.net/ajaxLibrary/HOW%20TO%20Load%20Required%20Scripts.ashx)
HOW TO Load a Custom Script with Dependencies
(http://www.asp.net/ajaxlibrary/HOW%20TO%20Load%20a%20Custom%20Script%20with%20Dependencies.ashx)

Question: 142

A Web page includes the HTML shown in the following code segment.

Check out
the FAQ on

Contoso's web site for more information:
 FAQ .

 Home
You need to write a JavaScript function that will dynamically format in boldface all of the hyperlinks in the ref span. Which code segment should you use?

A. $("#ref").filter("a[href]").bold();
B. $("ref").filter("a").css("bold");
C. $("a").css({fontWeight:"bold"});
D. $("#ref a[href]").css({fontWeight:"bold"});

Answer: D

Explanation:
.css() Method
(http://api.jquery.com/css/)

Question: 143

You are building an ASP.NET control. The control displays data by using a table element with a class attribute value of

Results. The control should expose a client-side event named onrowselected that fires when a check box in a table row is selected. You need to implement this client-side event. What should you do?

A. $('.Results input:checked').onrowselected = function (e, sender) { ...
};
B. $('.Results input:checked').bind('onrowselected', function (e, sender) {
...
});
C. $('.Results').bind('onrowselected', function (e, sender) { ...
}).click(function (e) {
if ($(e.target).is('input:checked')) {
$('.Results').trigger('onrowselected', [$(e.target)]);
}}
);
D. $('.Results').onrowselected($.proxy($(this)
.find('input:checked'), function (e, sender) {
...
})
);

Answer: C

Question: 144

You create an ASP.NET page. The page uses the jQuery $.ajax function to make calls back to the server in several places. You add the following div element to the page.

You need to implement a single error handler that will add error information from all page $.ajax calls to the div named errorInfo. What should you do?

A. Add the following options to each $.ajax function call:
global: true,
error: function (XMLHttpRequest, textStatus, errorThrown){
$("#errorInfo").text("
Error information is: " + textStatus + "
");
B. Add the following code to the $(document).ready function on the page:
$("#errorInfo").ajaxError(function(event, request, settings){
$(this).append("
Error requesting page " + settings.url + "
");
});
C. Add the following option to each $.ajax function call:
error: function (XMLHttpRequest, textStatus, errorThrown){
$("#errorInfo").text("
Error information is: " + textStatus + "
");
D. Add the following code to the $(document).ready function on the page:
$.ajaxError(function(event, request, settings){
$(this).append("
Error requesting page " + settings.url + "
");
});
E. Add the following option to each $.ajax function call:
global: true

Answer: B

Question: 145

You create a Web page that contains the span shown in the following line of code.
Text
You need to replace the contents of the span with HTML that you download from a URL specified by a global variable named localURL. Which code segment should you use?

A. $.ajax({
type: "GET",
url: localURL,
dataType: "jsonp",
success: function(htmlText) {
$("#span1").text(htmlText);
}
});
B. $.ajax(localURL, {},
function(htmlText) {
$("#span1").html(htmlText);
},
"html");
C. $.ajax({
type: "GET",
url: localURL,
dataType: "html",
success: function(htmlText) {
$("#span1").innerHTML = htmlText;
}
});
D. $.ajax({
type: "GET",
url: localURL,
success: function(htmlText) {
$("#span1").html(htmlText);
}
});

Answer: D

Explanation:
CHAPTER 9 Working with Client-Side Scripting, AJAX, and jQuery
Lesson 3: Implementing jQuery
Implementing AJAX with jQuery (page 536)

Question: 146

You are creating an ASP.NET Web site. The site contains pages that are available to anonymous users. The site also contains a page named Premium.aspx that provides premium content to only members of a group named Subscribers. You need to modify the web.config file to ensure that Premium.aspx can be accessed by only members of the Subscribers group. Which configuration should you use?

A. <location path="Premium.aspx">
<system.web>
<authorization>
<allow users="Subscribers"/>
<deny users="*"/>
</authorization>
</system.web>
</location>
B. <location path="Premium.aspx">
<system.web>
<authorization>
<allow roles="Subscribers"/>
<deny users="*"/>
</authorization>
</system.web>
</location>
C. <location path="Premium.aspx">
<system.web>
<authorization>
<allow roles="Subscribers"/>
<deny users="?"/>
</authorization>
</system.web>
</location>
D. <location path="Premium.aspx">
<system.web>
<authorization>
<deny users="*"/>
<allow roles="Subscribers"/>
</authorization>
</system.web>
</location>

Answer: B

Explanation:
CHAPTER 13 Implementing User Profiles, Authentication, and Authorization
Lesson 2: Using ASP.NET Membership
Restricting Access to ASP.NET Websites, Files, and Folders - Controlling Authorization for Folders and Files by Using .config Files (page 819)

Question: 147

You are implementing an ASP.NET Web site. The site uses a component that must be dynamically configured before it can be used within site pages. You create a static method named SiteHelper.Configure that configures the component. You need to add a code segment to the Global.asax file that invokes the SiteHelper.Configure method the first time, and only the first time, that any page in the site is requested. Which code segment should you use?

A. void Application_Start(object sender, EventArgs e)
{

```
SiteHelper.Configure();
}
B. void Application_Init(object sender, EventArgs e)
{
SiteHelper.Configure();
}
C. void Application_BeginRequest(object sender, EventArgs e) {
SiteHelper.Configure();
}
D. Object lockObject = new Object();
void Application_BeginRequest(object sender, EventArgs e) {
lock(lockObject())
{
SiteHelper.Configure();
}}
```

Answer: A

Question: 148

You create a Visual Studio 2010 solution that includes a WCF service project and an ASP.NET project. The service includes a method named GetPeople that takes no arguments and returns an array of Person objects. The ASP.NET application uses a proxy class to access the service. You use the Add Service Reference wizard to generate the class. After you create the proxy, you move the service endpoint to a different port. You need to configure the client to use the new service address. In addition, you must change the implementation so that calls to the client proxy will return a List<Person> instead of an array. Which two actions should you perform? (Each correct answer presents part of the solution. Choose two.)

A. In the context menu for the service reference in the ASP.NET project, select the Configure Service Reference command, and set the collection type to System.Collections.Generic.List.
B. In the context menu for the service reference in the ASP.NET project, select the Update Service Reference command to retrieve the new service configuration.
C. Change the service interface and implementation to return a List<Person>.
D. Edit the address property of the endpoint element in the web.config file to use the new service address.

Answer: A, D

Explanation:
CHAPTER 10 Writing and Working with HTTP Modules and Web Services
Lesson 3: Creating and Consuming WCF Services
Creating a WCF Service with ASP.NET (page 596)

Question: 149

You use the ASP.NET Web Site template to create a Web site that will be deployed to multiple locations. Each location will specify its SMTP configuration settings in a separate file named smtp.config in the root folder of the Web site. You need to ensure that the configuration settings that are specified in the smtp.config file will be applied to the Web site. Which configuration should you use in web.config?

A. <configuration>

<system.net>
<mailSettings>
<smtp configSource="smtp.config" allowOverride="true">
<network host="127.0.0.1" port="25"/>
</smtp>
</mailSettings>
</system.net>
</configuration>
B. <configuration>
<system.net>
<mailSettings>
<smtp configSource="smtp.config" />
</mailSettings>
</system.net>
</configuration>
C. <configuration xmlns:xdt="http://schemas.microsoft.com/XML- Document-Transform">
<location path="smtp.config" xdt:Transform="Replace" xdt:Locator="Match
(path)">
<system.net />
</location>
</configuration>
D. <configuration>
<location path="smtp.config">
<system.net>
<mailSettings>
<smtp Devilery Method="Network" >
<Network Host = "127.0.0.1" Port="25"/>
</smtp>
</mailSettings>
</system.net>
</location>
</configuration>

Answer: B

Explanation:
CHAPTER 8 Debugging and Deploying
Lesson 3: Deploying Websites
Publishing Web Applications - Web.config Transformations (page 421)

Question: 150

You are developing an ASP.NET application by using Visual Studio 2010. You need to interactively debug the entire application. Which two actions should you perform? (Each correct answer presents part of the solution. Choose two.)

A. Set the Debug attribute of the compilation node of the web.config file to true.
B. Add a DebuggerDisplay attribute to the code-behind file of the page that you want to debug.
C. Select the ASP.NET debugger option in the project properties.
D. Define the DEBUG constant in the project settings.

Answer: A, C

Question: 151

You are preparing to deploy an ASP.NET application to a production server by publishing the application in Release configuration. You need to ensure that the connection string value that is stored in the web.config file is updated to the production server# s connection string value during publishing. What should you do?

A. Add the following code to the web.config file.
<connectionStrings>
<add name="DB" connectionString="Server=ProdServer;Database=ProdDB;Integrated Security=SSPI;" providerName="Release" />
</connectionStrings>
B. Add the following code to the web.config file.
<connectionStrings>
<add name="DB" connectionString="Server=ProdServer;Database=ProdDB;Integrated Security=SSPI;" xdt:Transform="Replace" xdt:Locator="Match(name)" />
</connectionStrings>
C. Add the following code to the web.release.config file.
<connectionStrings>
<add name="DB" connectionString="Server=ProdServer;Database=ProdDB;Integrated Security=SSPI;" providerName="Release" />
</connectionStrings>
D. Add the following code to the web.release.config file.
<connectionStrings>
<add name="DB" connectionString="Server=ProdServer;Database=ProdDB;Integrated Security=SSPI;" xdt:Transform="Replace" xdt:Locator="Match(name)" />
</connectionStrings>

Answer: D

Question: 152

You are implementing an ASP.NET application. The application includes a Person class with property Age. You add a page in which you get a list of Person objects and display the objects in a GridView control. You need to add code so that the GridView row is highlighted in red if the age of the person is less than 18. Which GridView event should you handle?

A. RowDataBound
B. RowCommand
C. Row Updated
D. RowEditing

Answer: A

Question: 153

You are implementing an ASP.NET page that will retrieve large sets of data from a data source. You add a ListView control and a DataPager control to the page. You need to ensure that the data can be viewed one page at a time.

What should you do?

A. Set the DataPager control's PageSize property to the number of rows to view at one time.
B. Set the DataPager control's PagedControlID property to the ID of the ListView control.
C. In the codebehind file, set the DataPager control's Parent property to the ListView control.
D. In the codebehind file, set the ListView control's Parent property to the DataPager control.

Answer: B

Question: 154

You are implementing an ASP.NET Web application that retrieves data from a Microsoft SQL Server database. You add a page that includes the following data source control.
<asp:SqlDataSource id="sqlds" runat="server" ConnectionString="<%$ ConnectionStrings:MyDB %>" SelectCommand="SELECT * FROM Companies" />
The page is accessed frequently, but the data in the database rarely changes. You need to cache the retrieved data so that the database is not queried each time the Web page is accessed.
What should you do?

A. Add the following attributes to the SqlDataSource control.
DataSourceMode="DataSet"
EnableCaching="True"
CacheDuration="120"
B. Add the following attributes to the SqlDataSource control.
DataSourceMode="DataReader"
EnableCaching="True"
CacheDuration="120"
C. Add the following configuration to the <system.web/> section of the web.config file.
<caching>
<sqlCacheDependency enabled="true">
<databases>
<add name="MyDBCache"
connectionStringName="MyDB"
pollTime="120" />
</databases>
</sqlCacheDependency>
</caching>
D. Add the following configuration to the <system.web/> section of the web.config file.
<caching>
<sqlCacheDependency enabled="true" pollTime="120">
<databases>
<add name="MyDBCache"
connectionStringName="MyDB" />
</databases>
</sqlCacheDependency>
</caching>

Answer: A

Question: 155

You are implementing an ASP.NET application that uses LINQ to Entities to access and update the database. The application includes the following method to update a detached entity of type Person.

```
private NorthwindContext _entities;
public void UpdatePerson(Person personToEdit)
{
}
```

You need to implement the UpdatePerson method to update the database row that corresponds to the personToEdit object. Which code segment should you use?

A.
```
_entities.People.Attach(personToEdit);
_entities.ObjectStateManager.ChangeObjectState(
personToEdit,
EntityState.Modified);
_entities.SaveChanges();
```
B.
```
_entities.ObjectStateManager.ChangeObjectState(
personToEdit,
EntityState.Added);
_entities.SaveChanges();
```
C.
```
_entities.People.ApplyCurrentValues(personToEdit);
_entities.SaveChanges();
_entities.People.Attach(new Person() { Id = personToEdit.Id });
```
D.
```
_entities.ObjectStateManager.ChangeObjectState(
personToEdit,
EntityState.Modified);
_entities.SaveChanges();
```

Answer: A

Explanation:
Table(Of TEntity).Attach Method (TEntity)
(http://msdn.microsoft.com/en-us/library/bb300517.aspx)

Question: 156

You are implementing an ASP.NET Web site. The Web site contains a Web service named ProductService. The code-behind file for the ProductService class contains the following code segment.

```
public class ProductService :
System.Web.Services.WebService
{
public List<Product> GetProducts( int categoryID )
{
return GetProductsFromDatabase(categoryID);
}
}
```

You need to ensure that the GetProducts method can be called by using AJAX.
Which two actions should you perform? (Each correct answer presents part of the solution. Choose two.)

A. Apply the WebService attribute to the ProductService class.
B. Apply the ScriptService attribute to the ProductService class.
C. Apply the WebMethod attribute to the GetProducts method.

D. Apply the ScriptMethod attribute to the GetProducts method.

Answer: B, C

Explanation:
CHAPTER 9 Working with Client-Side Scripting, AJAX, and jQuery
Lesson 3: Implementing jQuery
Calling a Web Service with $.ajax() (page 535)
CHAPTER 10 Writing and Working with HTTP Modules and Web Services
Lesson 2: Creating and Consuming XML Web Services
Calling a Web Service from Client Script by Using AJAX (page 583-584)

Question: 157

You create a new ASP.NET MVC 2 Web application. The following default routes are created in the Global.asax.cs file. (Line numbers are included for reference only.)

```
01 public static void RegisterRoutes(RouteCollection routes)
02 {
03 routes.IgnoreRoute("{resource}.axd/{*pathInfo}");
04
05 routes.MapRoute(
"Default",
"{controller}/{action}/{id}",
new { controller = "Home", action = "Index", id = "" }
);
06 }
```

You implement a controller named HomeController that includes methods with the following signatures.
public ActionResult About()
public ActionResult Index()
public ActionResult Details(int id)
You need to ensure that the About action is invoked when the root URL of the site is accessed.
What should you do?

A. At line 04 in the Global.asax.cs file, add the following line of code.
routes.MapRoute("Default4Empty", "/", new {controller="Home", action="About"});
B. At line 04 in the Global.asax.cs file, add the following line of code.
routes.MapRoute("Default", "", new { controller="Home", action="About"});
C. Replace line 05 in the Global.asax.cs file with the following line of code.
routes.MapRoute(
"Default4Empty",
"{controller}/{action}/{id}",
new {controller="Home", action="About", id=""}
);
D. Replace line 05 in the Global.asax.cs file with the following line of code.
routes.MapRoute(
"Default",
"{controller}/{action}",
new { controller="Home", action ="About"}
);

Answer: C

Question: 158

You are implementing an ASP.NET MVC 2 Web application. The URL with path /Home/Details/{country} will return a page that provides information about the named country. You need to ensure that requests for this URL that contain an unrecognized country value will not be processed by the Details action of HomeController. What should you do?

A. Add the ValidateAntiForgeryToken attribute to the Details action method.
B. Add the Bind attribute to the country parameter of the Details action method. Set the attribute# s Prefix property to Country.
C. Create a class that implements the IRouteConstraint interface. Configure the default route to use this class.
D. Create a class that implements the IRouteHandler interface. Configure the default route to use this class.

Answer: C

Question: 159

You are implementing an ASP.NET MVC 2 Web application. A controller contains the following code.

```
public ActionResult Edit(int id)
{
return View(SelectUserToEdit(id));
}
public ActionResult Edit(Person person)
{
UpdateUser(person);
return RedirectToAction("Index");
}
```

The first Edit action displays the user whose details are to be edited, and the second Edit action is called when the Save button on the editing form is clicked to update the user details. An exception is thrown at run time stating that the request for action Edit is ambiguous. You need to correct this error and ensure that the controller functions as expected. What are two possible ways to achieve this goal? (Each correct answer presents a complete solution. Choose two.)

A. Add the following attribute to the first Edit action.
[AcceptVerbs(HttpVerbs.Head)]
B. Add the following attribute to the first Edit action.
[HttpGet]
C. Add the following attribute to the second Edit action.
[HttpPost]
D. Add the following attribute to the second Edit action.
[HttpPut]

Answer: B, C

Explanation:
There is no [HttpPut] attribute.
[AcceptVerbs] represents an attribute that specifies which HTTP verbs an action method will respond to. The possible variants are HttpVerbs enumeration: Get, Post, Put, Delete, Head.

HttpVerbs Enumeration (http://msdn.microsoft.com/en-us/library/system.web.mvc.httpverbs.aspx)
CHAPTER 14 Creating Websites with ASP.NET MVC 2
Lesson 2: Creating Models, Views, and Controllers

Question: 160

You are implementing an ASP.NET MVC 2 Web application. You create a shared user control named MenuBar.ascx that contains the application# s menu. You need to use the menu bar in all application views. What should you do?

A. In the site# s master page, create a div element with an ID of Navigation. Add the following code segment inside this div element.
<% Html.RenderPartial ("~/Views/Shared/ MenuBar.ascx "); %>
B. In the site# s master page, create a div element with an ID of Navigation. Add the following code segment inside this div element.
<%= Url.Content ("~/Views/Shared/ MenuBar.ascx ") %>
C. In each of the controller# s action methods, add an entry to the ViewData collection with a key of Navigation and a value of ~/Views/Shared/MenuBar.ascx.
D. In the site# s Global.asax.cs file, register a route named Navigation that points to the ~/Views/Shared/MenuBar.ascx file.

Answer: A

Question: 161

You create an ASP.NET MVC 2 Web application that contains the following controller class.
public class ProductController : Controller
{
static List<Product> products = new List<Product>();
public ActionResult Index()
{
return View();
}}
In the Views folder of your application, you add a view page named Index.aspx that includes the following @ Page directive.
<%@ Page Inherits="System.Web.Mvc.ViewPage" %>
You test the application with a browser. You receive the following error message when the Index method is invoked: "The view 'Index' or its master was not found." You need to resolve the error so that the new view is displayed when the Index method is invoked. What should you do?

A. Change the name of the Index.aspx file to Product.aspx.
B. Create a folder named Product inside the Views folder. Move Index.aspx to the Product folder.
C. Replace the @ Page directive in Index.aspx with the following value.
<%@ Page Inherits="System.Web.Mvc.ViewPage<Product>" %>
D. Modify the Index method by changing its signature to the following:
public ActionResult Index(Product p)

Answer: B

Question: 162

You are developing an ASP.NET Web application. The application will contain a page that is customized for various browsers. The application will use output caching to optimize performance. You need to ensure that the page is cached by browser type and major version only. Which attribute should you add to the OutputCache directive?

A. VaryByCustom="browser"
B. VaryByCustom="User-Agent"
C. VaryByHeader="browser"
D. VaryByHeader="User-Agent"

Answer: A

Question: 163

You are developing an ASP.NET Web page that includes a text box control. The page includes a server-side method named ValidateValue. You need to configure the page so that the text box value is validated by using the ValidateValue method. Which two actions should you perform? (Each correct answer presents part of the solution. Choose two.)

A. Use the CompareValidator control.
B. Use the CustomValidator control.
C. Set ValidationGroup on the control to ValidateValue.
D. Set OnServerValidate on the control to ValidateValue.

Answer: A, D

Question: 164

jQuery CheckBoxes
In a web page with chechboxes you need to write e jquery that retruns the number checked checkboxes

A. $(“input:checked”).length;
B. $(“input”, selected).length;
C. $(“input:selected”).length;

Answer: A

Explanation:
n = $("input:checked").length;
http://api.jquery.com/checked-selector/

Question: 165

State management.
You have to store user data of 200 KB in an object.
Which state management technique to use:

A. Server session
B. Cookie
C. ViewState
D. Hidden Field

Answer: A

Explanation:
Server session. Because each 40kb adds 1-2 seconds user to wait with his cabel modem connection
http://msdn.microsoft.com/en-us/library/75x4ha6s.aspx

Question: 166

You are developing an ASP.NET MVC 2 application. You create a view that will be returned by action methods in multiple controllers. You need to place the view in the appropriate folder. To which subfolder within the Views folder should you add the view?

A. Master
B. Default
C. Shared
D. Common

Answer: C

Question: 167

You develop an ASP.NET Web page that includes multiple WebPartZone controls, an EditorZone. Users report that they cannot customize the layout of the page by moving WebParts from one ….
You need to ensure that users can successfully move Web Parts from one zone to another.
What should you do?

A. Configure the Web site to enable session state.
B. Configure the Web site to require authentication and to use personalization.
C. Add a ProxyWebPartManager control to the page.
D. Add a AppearanceEditorPart control to the page.

Answer: B

Question: 168

You are implementing an ASP.NET Web page. The page includes several controls, but only a GridView requires view state. You set the GridView… You need to ensure that the page will omit unneeded view state. Wich @ Page directive should you use?

A. <% Page EnableViewState=”true” ViewStateMode=”Enabled” _ %>
B. <% Page EnableViewState=”true” ViewStateMode=”Disabled” _ %>
C. <% Page EnableViewState=”false” ViewStateMode=”Disabled” _ %>
D. <% Page EnableViewState=”false” ViewStateMode=”Enabled” _ %>

Answer: D

Question: 169

You are debugging an ASP.NET Web application by using the Visual Studio debugger.
The application is incorrectly handling a SQL Exception on the login page.
You need to break execution where the exception is thrown.
What should you do?

A. Enable the User-unhandled option for SqlException in Visual Studio Exception configuration.
B. Set the value of the customErrors element's mode attribute to "on" in the web.config file.
C. Manually attach the Visual Studio debugger to Internet Explorer
D. Enable the thrown option for SqlException in Visual Studio exception configuration.

Answer: D

Explanation:
http://msdn.microsoft.com/en-us/library/d14azbfh.aspx

Question: 170

You have a C# code snippet with 2 classes, one composed by elements of the other.

```
public class Student
{
public string Name {get;set;}
}
public class Supervisor
{
public string name {get;set;}
public List<Student> {get;set;}
}
```

And a markup code snippet, with 2 repeaters imbricated + a ObjectDataSource retrieving a list of Supervisors, the top level repeater "rptSupervisors" is bound using ObjectDataSourceID to the ObjectDataSource, and the inside one "rptStudents" is not bound yet. We understand that we need a list of supervisors and sublists of their relative students.

A. bind rptStudents with the list of current item in SupervisorsList using the ItemDataBound event of the rptStudents repeater
B. bind rptStudents with the list of current item in SupervisorsList using the ItemCommand event of the rptSupervisor repeater
C. databinding directly the rptStudents in the page load or something dummy like that (don't remember exactly)
D. another dummy solution involving a "supervisors have all the same students" situation

Answer: B

Question: 171

You are implementing an ASP.NET Web site. The site allows users to explicitly choose the display language for the site's Web pages. You create a Web page that contains a DropDownList named ddlLanguage, as shown in the following code segment.

```
<asp:DropDownList ID="ddlLanguage" runat="server" AutoPostBack="True"
ClientIDMode="Static"OnSelectedIndexChanged="SelectedLanguageChanged">
<asp:ListItem Value="en">English</asp:ListItem>
<asp:ListItem Value="es">Spanish</asp:ListItem>
```

<asp:ListItem Value="fr">French</asp:ListItem>
<asp:ListItem Value="de">German</asp:ListItem>
</asp:DropDownList>
The site contains localized resources for all page content that must be translated into the language that is selected by the user.
You need to add code to ensure that the page displays content in the selected language if the user selects a language in the drop-down list.
Which code segment should you use?

A. protected void SelectedLanguageChanged(object sender, EventArgs e) {
Page.UICulture = ddlLanguage.SelectedValue;
}
B. protected override void InitializeCulture()
{
Page.UICulture = Request.Form["ddlLanguage"];
}
C. protected void Page_Load(object sender, EventArgs e)
{
Page.Culture = Request.Form["ddlLanguage"];
}
D. protected override void InitializeCulture()
{
Page.Culture = ddlLanguage.SelectedValue;
}

Answer: B

Question: 172

You are implementing a method in an ASP.NET application that includes the following requirements. Store the number of active bugs in the cache. The value should remain in the cache when there are calls more often than every 15 seconds. The value should be removed from the cache after 60 seconds. You need to add code to meet the requirements. Which code segment should you add?

A. Cache.Insert("ActiveBugs", result, null, DateTime.Now.AddSeconds(60), TimeSpan.FromSeconds(15));
B. Cache.Insert("Trigger", DateTime.Now, null, DateTime.Now.AddSeconds(60), Cache.NoSlidingExpiration);
CacheDependency cd = new CacheDependency(null,
new string[] { "Trigger" });
Cache.Insert("ActiveBugs", result, cd, Cache.NoAbsoluteExpiration, TimeSpan.FromSeconds(15));
C. Cache.Insert("ActiveBugs", result, null, Cache.NoAbsoluteExpiration, TimeSpan.FromSeconds(15));
CacheDependency cd = new CacheDependency(null,
new string[] { "ActiveBugs" });
Cache.Insert("Trigger", DateTime.Now, cd, DateTime.Now.AddSeconds(60), Cache.NoSlidingExpiration);
D. CacheDependency cd = new CacheDependency(null, new string[] { "Trigger" });
Cache.Insert("Trigger", DateTime.Now, null,
DateTime.Now.AddSeconds(60), Cache.NoSlidingExpiration);
Cache.Insert("ActiveBugs", result, cd, Cache.NoAbsoluteExpiration, TimeSpan.FromSeconds(15));
NV0XE-Y7GZZ

Answer: B

Question: 173

You are implementing a method in an ASP.NET application that includes the following requirements. Store the number of active bugs in the cache. The value should remain in the cache when there are calls more often than every 15 seconds. The value should be removed from the cache after 60 seconds. You need to add code to meet the requirements. Which code segment should you add?

A. Cache.Insert("ActiveBugs", result, Nothing, DateTime.Now.AddSeconds(60), TimeSpan.FromSeconds(15))
B. Cache.Insert("Trigger", DateTime.Now, NothingDateTime.Now.AddSeconds(60), Cache.NoSlidingExpiration) Dim cd As CacheDependency = New
CacheDependency(Nothing,
New String() {"Trigger"})
Cache.Insert("ActiveBugs", result, cd, Cache.NoAbsoluteExpiration, TimeSpan.FromSeconds(15))
C. Cache.Insert("ActiveBugs", result, Nothing, Cache.NoAbsoluteExpiration, TimeSpan.FromSeconds(15))
Dim cd As CacheDependency = New CacheDependency(Nothing,
New String() {"ActiveBugs"})
Cache.Insert("Trigger", DateTime.Now, cd, DateTime.Now.AddSeconds(60), Cache.NoSlidingExpiration)
D. Dim cd As CacheDependency = New CacheDependency(Nothing,
New String() {"Trigger"})
Cache.Insert("Trigger", DateTime.Now, Nothing,
DateTime.Now.AddSeconds(60), Cache.NoSlidingExpiration)
Cache.Insert("ActiveBugs", result, cd, Cache.NoAbsoluteExpiration, TimeSpan.FromSeconds(15))

Answer: B

Question: 174

You are implementing an ASP.NET application that will use session state in out-of-proc mode. You add the following code. public class Person
{
public string FirstName { get; set;}
public string LastName { get; set;}
}
You need to add an attribute to the Person class to ensure that you can save an instance to session state.
Which attribute should you use?

A. Bindable
B. DataObject
C. Serializable
D. DataContract

Answer: C

Question: 175

You are implementing an ASP.NET application that will use session state in out-of-proc mode. You add the following code.
Public Class Person
Public Property FirstName As String

Public Property LastName As String
End Class
You need to add an attribute to the Person class to ensure that you can save an instance to session state. Which attribute should you use?

A. Bindable
B. Serializable
C. DataContract
D. DataObject

Answer: B

Question: 176

You create a Web page named TestPage.aspx and a user control named contained in a file named TestUserControl.ascx.
You need to dynamically add TestUserControl.ascx to TestPage.aspx.
Which code segment should you use?

A. protected void Page_Load(object sender, EventArgs e)
{
Control userControl = Page.LoadControl("TestUserControl.ascx"); Page.Form.Controls.Add(userControl);
}
B. protected void Page_Load(object sender, EventArgs e)
{
Control userControl = Page.FindControl("TestUserControl.ascx"); Page.Form.Controls.Load(userControl);
}
C. protected void Page_PreInit(object sender, EventArgs e)
{
Control userControl = Page.LoadControl("TestUserControl.ascx"); Page.Form.Controls.Add(userControl);
}
D. protected void Page_PreInit(object sender, EventArgs e)
{
Control userControl = Page.FindControl("TestUserControl.ascx"); Page.Form.Controls.Load(userControl);
}

Answer: A

Explanation:
http://anandpandey.com/Certification/70-515/DevelopingandUsingWebFormsControls.aspx
http://www.scribd.com/doc/72771787/9/QUESTION-9
http://pdf.it-pruefungen.de/70-515.pdf

Question: 177

You need to dynamically add TestUserControl.ascx to TestPage.aspx. Which code segment should you use?

A. Protected Sub Page_Load(ByVal sender As Object, ByVal e As System.EventArgs) Handles Me.Load
Dim userControl As Control = Page.LoadControl("TestUserControl.ascx")
Page.Form.Controls.Add(userControl)

End Sub
B. Protected Sub Page_Load(ByVal sender As Object, ByVal e As System.EventArgs) Handles Me.Load
Dim userControl As Control = Page.FindControl("TestUserControl.ascx")
Page.Form.Controls.Add(userControl)
End Sub
C. Private Sub TestPage_Init(ByVal sender As Object, ByVal e As System.EventArgs) Handles Me.Init
Dim userControl As Control = Page.LoadControl("TestUserControl.ascx")
Page.Form.Controls.Add(userControl)
End Sub
D. Private Sub TestPage_PreInit(ByVal sender As Object, ByVal e As System.EventArgs) Handles Me.PreInit
Dim userControl As Control =
Page.FindControl("TestUserControl.ascx"Page.Form.Controls.Add(userControl) End Sub

Answer: A

Explanation:
http://anandpandey.com/Certification/70-515/DevelopingandUsingWebFormsControls.aspx
http://www.scribd.com/doc/72771787/9/QUESTION-9
http://pdf.it-pruefungen.de/70-515.pdf

Question: 178

You are implementing an ASP.NET page that includes the following down list.
<asp:PlaceHolder ID="dynamicControls" runat="server">
<asp:DropDownList ID="MyDropDown" runat="server">
<asp:ListItem Text="abc" value="abc" />
<asp:ListItem Text="def" value="def" />
</asp:DropDownList>
</asp:PlaceHolder>
You need to dynamically add values to the end of the drop-down list.
What should you do?

A. Add the following OnPreRender event handler to the asp:DropDownList protected void
MyDropDown_PreRender(object sender, EventArgs e) {
DropDownList ddl = sender as DropDownList;
Label lbl = new Label();
lbl.Text = "Option";
lbl.ID = "Option";
ddl.Controls.Add(lbl);
}
B. Add the following OnPreRender event handler to the asp:DropDownList protected void
MyDropDown_PreRender(object sender, EventArgs e)
{
DropDownList ddl = sender as DropDownList;
ddl.Items.Add("Option");
C. Add the following event handler to the page code-behind.
protected void Page_LoadComplete(object sender, EventArgs e) {
DropDownList ddl = Page.FindControl("MyDropDown") as DropDownList; Label lbl = new Label();
lbl.Text = "Option";
lbl.ID = "Option";
ddl.Controls.Add(lbl);

}
D. Add the following event handler to the page code-behind.
protected void Page_LoadComplete(object sender, EventArgs e) {
DropDownList ddl = Page.FindControl("MyDropDown") as DropDownList; ddl.Items.Add("Option");
}

Answer: B

Question: 179

You are implementing custom ASP.NET server controls. You have a base class named RotaryGaugeControl and two subclasses named CompassGaugeControl and SpeedGaugeControl. Each control requires its own client JavaScript code in order to function properly. The JavaScript includes functions that are used to create the proper HTML elements for the control. You need to ensure that the JavaScript for each of these controls that is used in an ASP.NET page is included in the generated HTML page only once, even if the ASP.NET page uses multiple instances of the given control. What should you do?

A. Place the JavaScript in a file named controls.js and add the following code line to the Page_Load method of each control.
Page.ClientScript.RegisterClientScriptInclude(
this.GetType(), "script", "controls.js");
B. Add the following code line to the Page_Load method of each control, where strJavascript contains the JavaScript code for the control.
Page.ClientScript.RegisterClientScriptBlock(
this.GetType(), "script", strJavascript);
C. Add the following code line to the Page_Load method of each control, where CLASSNAME is the name of the control class and strJavascript contains the JavaScript code for the control.
Page.ClientScript.RegisterStartupScript(typeof(CLASSNAME), "script", strJavascript);
D. Add the following code line to the Page_Load method of each control, where CLASSNAME is the name of the control class and strJavascript contains the JavaScript code for the control.
Page.ClientScript.RegisterClientScriptBlock(typeof(CLASSNAME), "script", strJavascript);

Answer: D

Question: 180

You are implementing an ASP.NET application. You add the following code segment.
public List<Person> GetNonSecretUsers()
{
string[] secretUsers = {"@secretUser", "@admin", "@root"}; List<Person> allpeople = GetAllPeople();
... }
You need to add code to return a list of all Person objects except those with a UserId that is contained in the secretUsers list. The resulting list must not contain duplicates. Which code segment should you use?

A. var secretPeople = (from p in allPeople
from u in secretUsers
where p.UserId == u
select p).Distinct();
return allPeople.Except(secretPeople);
B. return from p in allPeople

```
from u in secretUsers
where p.UserId != u
select p;
C. return (from p in allPeople
from u in secretUsers
where p.UserId != u
select p).Distinct();
D. List<Person> people = new List<Person>(
from p in allPeople
from u in secretUsers
where p.UserId != u
select p);
return people.Distinct();
```

Answer: A

Question: 181

You are implementing an ASP.NET application. You add the following code segment.

```
Public Function GetNonSecretUsers() As List(Of Person)
Dim secretUsers() As String =
{"@secretUser", "@admin", "@root"}
Dim allpeople As List(Of Person) = GetAllPeople()
...
End Function
```

You need to add code to return a list of all Person objects except those with a UserId that is contained in the secretUsers list. The resulting list must not contain duplicates. Which code segment should you use?

```
A. Dim secretPeople = (From p In allpeople
From u In secretUsers
Where p.UserId = u
Select p).Distinct()
Return allpeople.Except(secretPeople)
B. Return From p In allpeople
From u In secretUsers
Where p.UserId <> u
Select p
C. Return (From p In allpeople
From u In secretUsers
Where p.UserId <> u
Select p).Distinct()
D. Dim people As List(Of Person) = New List(Of Person)(
From p In allpeople
From u In secretUsers
Where p.UserId <> u
Select p) Return people.Distinct()
```

Answer: A

Question: 182

You are implementing an ASP.NET Web site. The site contains the following class.
public class Address
{
public int AddressType;
public string Line1;
public string Line2;
public string City;
public string ZipPostalCode;
}
The Web site interacts with an external data service that requires Address instances to be given in the following XML format.
<Address AddressType="2">
<Line1>250 Race Court</Line1>
<City>Chicago</City>
<PostalCode>60603</PostalCode>
</Address>
You need to ensure that Address instances that are serialized by the XmlSerializer class meet the XML format requirements of the external data service. Which two actions should you perform (Each correct answer presents part of the solution. Choose two.)

A. Add the following attribute to the AddressType field.
[XmlAttribute]
B. Add the following attribute to the Line2 field.
[XmlElement(IsNullable=true)]
C. Add the following attribute to the ZipPostalCode field.
[XmlAttribute("ZipCode")]
D. Add the following attribute to the ZipPostalCode field.
[XmlElement("ZipCode")]

Answer: A, D

Explanation:
XmlSerializer Class
(http://msdn.microsoft.com/en-us/library/system.xml.serialization.xmlserializer.aspx)

Question: 183

You are implementing a new Dynamic Data Web site. The Web site includes a Web page that has an ObjectDataSource control named ObjectDataSource1. ObjectDataSource1 interacts with a Web service that exposes methods for listing and editing instances of a cla named Product. You add a GridView control named GridView1 to the page, and you specify that GridView1 should use ObjectDataSource1 as its data source. You then configure GridView1 to auto-generate fields and to enable editing. You need to add Dynamic Data behavior to GridView1. You also must ensure that users can use GridView1 to update Product instances. Which two actions should you perform? (Each correct answer presents part of the solution. Choose two.)

A. Add a DynamicDataManager control to the Web page.
B. Disable the auto-generated fields on GridView1. Add a DynamicField control for each field of the Product class.
C. Add the following code segment to the Application_Start method in the Global.asax.cs file.
DefaultModel.RegisterContext(
typeof(System.Web.UI.WebControls.ObjectDataSource),

new ContextConfiguration() {ScaffoldAllTables = true});
D. Add the following code segment to the Page_Init method of the Web page.
GridView1.EnableDynamicData(typeof(Product));

Answer: B, D

Explanation:
CHAPTER 12 Working with Data Source Controls and Data-Bound Controls
Lesson 3: Working with ASP.NET Dynamic Data
Enabling Dynamic Data Inside a Webpage (page 778)

Question: 184

You are implementing an ASP.NET MVC 2 Web application that allows users to view and edit data. You need to ensure that only logged-in users can access the Edit action of the controller. What are two possible attributes that you can add to the Edit action to achieve this goal? (Each correct answer presents a complete solution. Choose two.)

A. [Authorize(Users = "")]
B. [Authorize(Roles = "")]
C. [Authorize(Users = "*")]
D. [Authorize(Roles = "*")]

Answer: A, B

Explanation:
[Authorize(...)] represents an attribute that is used to restrict access by callers to an action method. Possible arguments: Order, Roles, Users, TypeId.
When you mark an action method with AuthorizeAttribute, access to that action method is restricted to users who are both authenticated and authorized.
If you mark a controller with the attribute, all action methods in the controller are restricted. The Authorize attribute lets you indicate that authorization is restricted to predefined roles or to individual users. This gives you a high degree of control over who is authorized to view any page on the site.
If an unauthorized user tries to access a method that is marked with the Authorize attribute, the MVC framework returns a 401 HTTP status code.
If the site is configured to use ASP.NET forms authentication, the 401 status code causes the browser to redirect the user to the login page.
AuthorizeAttribute Class
(http://msdn.microsoft.com/en-us/library/system.web.mvc.authorizeattribute.aspx)
The following example shows several ways to use AuthorizeAttribute. The HomeController class has three action methods that are marked with the Authorize attribute, and two that are not marked. On the AuthenticatedUsers method, the attribute limits access to users who are logged in. On the AdministratorsOnly method, the attribute limits access to users who have been assigned to either the Admin role or the Super User role. On the SpecificUserOnly method, the attribute limits access to the users whose names are Betty or Johnny. The Index and About methods can be accessed by anyone, even anonymous users.

```
[HandleError]
public class HomeController : Controller
{
public ActionResult Index() {
ViewData["Message"] = "Welcome to ASP.NET MVC!";
return View();
```

```
}
public ActionResult About() {
return View();
}
[Authorize]
public ActionResult AuthenticatedUsers() {
return View();
}
[Authorize(Roles = "Admin, Super User")]
public ActionResult AdministratorsOnly() {
return View();
}
[Authorize(Users = "Betty, Johnny")]
public ActionResult SpecificUserOnly() {
return View();
}
}
```

Question: 185

You create an ASP.NET MVC 2 Web application. You implement a single project area in the application. In the Areas folder, you add a subfolder named Test. You add files named TestController.cs and Details.aspx to the appropriate subfolders.
You register the area's route, setting the route name to test_default and the area name to test. You create a view named Info.aspx that is outside the test area. You need to add a link to Info.aspx that points to Details. aspx. Which code segment should you use?

A. <%= Html.RouteLink("Test", "test_default",
new {area = "test"}, null) %>
B. <%= Html.ActionLink("Test", "Details", "Test",
new {area = "test"}, null) %>
C. <a href="<%= Html.RouteLink("Test", "test_default",
new {area = "test"}, null) %>">Test
D. <a href="<%= Html.ActionLink("Test", "Details", "Test",
new {area = "test"}, null) %>">Test

Answer: B

Question: 186

You are implementing a read-only page that includes the following controls. <asp:Button ID="btnRefresh" runat="server" Text="Button" /> <asp:GridView ID="gvCustomers" runat="server" EnableViewState="False"
OnDataBinding="gvCustomers_DataBinding">
</asp:GridView>
You disable view state to improve performance.
You need to ensure that the page is updated to display the latest data when the user clicks the refresh button. Which code segment should you use?

A. protected void Page_PreInit(object sender, EventArgs e)

```
{
if (!IsPostBack)
{
gvCustomers.DataSource = GetCustomers();
gvCustomers.DataBind();
}
}
B. protected void Page_Load(object sender, EventArgs e)
{
gvCustomers.DataSource = GetCustomers();
gvCustomers.DataBind();
}
C. protected void gvCustomers_DataBinding(object sender, EventArgs e) {
gvCustomers.DataSource = GetCustomers();
gvCustomers.DataBind();
}
D. protected void Page_PreRender(object sender, EventArgs e) {
if (!IsPostBack)
{
gvCustomers.DataSource = GetCustomers();
gvCustomers.DataBind();
}
}
```

Answer: B

Question: 187

You are implementing an ASP.NET page that hosts a user control named CachedControl. You need to ensure that the content of the user control is cached for 10 seconds and that it is regenerated when fetched after the 10 seconds elapse. Which two actions should you perform? (Each correct answer presents part of the solution. Choose two.)

A. Modify the hosting page's caching directive as follows.
<%@ OutputCache Duration="10" VaryByParam="None" %>
B. Add the following meta tag to the Head section of the hosting page.
<meta http-equiv="refresh" content="10">
C. Add the following caching directive to the hosted control.
<%@ OutputCache Duration="10" VaryByParam="None" %>
D. Add the following caching directive to the hosted control.
<%@ OutputCache Duration="10" VaryByControl="None" %>

Answer: A, C

Explanation:
CHAPTER 2 Using Master Pages, Themes, and Caching
Lesson 3: Caching
Page Output Caching (page 83)
HTTP-EQUIV Attribute | httpEquiv Property
(http://msdn.microsoft.com/en-us/library/ms533876(v=vs.85).aspx)
meta http-equiv gets or sets information used to bind the value of a content attribute of a meta element to an HTTP

response header.
Examples:
This example causes the browser to reload the document every two seconds.
<meta http-equiv="refresh" content="2">
This example sets the character set for the document.
<meta http-equiv="Content-Type"
content="text/html; charset=utf-8">
This example disables theme support for the document.
<meta http-equiv="msthemecompatible" content="no">
This example tells Internet Explorer to display a webpage in IE9 mode, if possible.
<meta http-equiv="X-UA-Compatible" content="IE=9">

Question: 188

You create a Web page that has an ASP.NET menu. You need to ensure that the menu items are populated from an array of strings in your code-behind file. What should you do?

A. Write a JavaScript function that uses document.write to write out an asp:MenuItem for each string array element.
B. In the Page_Render handler, use Response.Write to write out an asp:MenuItem for each string array element.
C. Set the DataSource attribute of asp:Menu to the name of the array.
D. In the Page_Load handler, create an instance of asp:MenuItem for each string array element, and add each of these instances to the menu's Items collection.

Answer: D

Question: 189

You are implementing a Web page that displays text that was typed by a user. You need to display the user input in the Web page so that a cross-site scripting attack will be prevented. What should you do?

A. Call document.write.
B. Call Response.Write.
C. Call HttpUtility.UrlEncode.
D. Call HttpUtility.HtmlEncode.

Answer: D

Question: 190

You create a Web page that contains the following code.
<script type="text/javascript">
var lastId = 0;
</script>

Choose a file to upload:
<input id="File0" name="File0" type="file" />

<input id="AddFile" type="button" value="Add a File" />
<input id="Submit" type="submit" value="Upload" />
You need to provide the following implementation.

Each time the AddFile button is clicked, a new div element is created.
The new div element is appended after the other file upload div elements and before the AddFile span.
Each new element has a unique identifier. Which code segment should you use?

A. $("#AddFile").click(function () {
var id = "File" + ++lastId;
var item = $(".File:first").clone(true);
$("input:file", item).attr({ id: id, name: id });
item.insertBefore("#AddFile");
});
B. $("#AddFile").click(function () {
var id = "File" + ++lastId;
$(".File:first").clone(true)
.attr({ id: id, name: id })
.insertBefore("#AddFile");
});
C. $("#AddFile").click(function () {
var id = "File" + ++lastId;
});
D. $("#AddFile").click(function () {
var id = "File" + ++lastId;
var item = $(".File:first").clone(true)
$("input:file", item).attr({ id: id, name: id });
item.insertAfter("input[type=file]");
});

Answer: A

Explanation:
.clone() Method
(http://api.jquery.com/clone/)

Question: 191

You create a Web page that contains the following code. (Line numbers are included for reference only.)
01<script>
02function changeColor(c) {
03message.style.color=c;
04}
05</script>
07 Welcome!
08<ul id="color">
09
Black
10
Red
11
You need to ensure that when the user clicks an item in the list, the text color of the "Welcome!" message will change.
Which declaration should you use?

A. <ul id="color">
<li onclick="changeColor(this.innerText);">Black
<li onclick="changeColor(this.innerText);">Red

B. <ul id="color">
<li onclick="changeColor(this.style.color);">Black
<li onclick="changeColor(this.style.color);">Red

C. <ul id="color">
<a
onfocus="changeColor(this.innerText);">Red
<a
onfocus="changeColor(this.innerText);">Black

D. <ul id="color">
<li onclick="changeColor(this.style.color);">Black
<li onclick="changeColor(this.style.color);">Red

E. <ul id="color">
<a
onfocus="changeColor(this.innerText);">Red
<a
onfocus="changeColor(this.innerText);">Black

F. <ul id="color">

Answer: A

Explanation:
https://www.logicsmeet.com/dumps/Download/Microsoft/Microsoft.70-515.logicsmeet.4-5-2012.pdf
http://www.scribd.com/doc/54384588/98/Question-107
http://www.netsqlinterviewquestions.com/questions/89_Practice_Exam_70-515TS-Web-Applications-Development-with-Microsoft-NET-Framework-4-Paper-2.aspx?qID=6527&PaperID=89

Question: 192

You are implementing an ASP.NET AJAX page. You add the following control to the page.
<asp:UpdatePanel
ID="pnl1" runat="server" UpdateMode="Conditional"> <ContentTemplate> ... </ContentTemplate> </asp:
UpdatePanel>
You need update the contents of the UpdatePanel without causing a full reload of the page.
Which two actions should you perform? (Each correct answer presents part of the solution. Choose two.)

A. Add the following control before the UpdatePanel.
<asp:Timer ID="Timer1" OnLoad="Timer1_Tick" runat="server" Interval="3000" />
B. Add the following control within the UpdatePanel.
<asp:Timer ID="Timer1" OnLoad="Timer1_Tick" runat="server" Interval="3000" />
C. Add an AsyncPostBackTrigger that references Timer1.
D. Add a PostBackTrigger that references Timer1.

Answer: B, C

Explanation:
AsyncPostBackTrigger defines a control and optional event of the control as an asynchronous postback control trigger that causes an UpdatePanel control to refresh.
PostBackTrigger defines a control inside a UpdatePanel control as a postback control.
CHAPTER 9 Working with Client-Side Scripting, AJAX, and jQuery
Lesson 1: Creating AJAX-Enabled Web Forms
The UpdatePanel Control - Controlling partial-page updates (page 461)
http://mcpd.somee.com/515/515.htm
http://stackoverflow.com/questions/7180387/mcts-ajax-question
http://www.netsqlinterviewquestions.com/questions/88_Practice_Exam_70-515TS-Web-Applications-Development-with-Microsoft-NET-Framework-4-Paper-1.aspx?qID=6455&PaperID=88

Question: 193

You are creating an ASP.NET Web application that uses the SqlMembershipProvider. You plan to test locally and deploy to multiple production servers. You need to ensure that each deployed application accesses the same production database in Microsoft SQL Server. Which two actions should you perform? (Each correct answer presents part of the solution. Choose two.)

A. Run the aspnet_regsql command to create the database on the appropriate SQL Server computer.
B. Right-click App_Data in your Visual Studio 2010 project, click Add, and select New Item to create the SQL Server database on the appropriate SQL Server computer.
C. Modify the connection string in the web.config file to specify the names of the production server and database.
D. Modify the web.release.config file to transform the connection string to specify the names of the production server and database.

Answer: A, D

Explanation:
http://anandpandey.com/Certification/70-515/ConfiguringandExtendingaWebApplication.aspx
http://www.scribd.com/doc/54384588/107/Question-116
http://mcpd.somee.com/515/515.htm

Question: 194

You create a page in an ASP.NET Web application. The page retrieves and displays data from a Microsoft SQL Server database. You need to create a data source that can connect to the database. What are two possible ways to achieve this goal? (Each correct answer presents a complete solution. Choose two.)

A. Use an ObjectDataSource control and set its TypeName property to System.Data.SqlClient.SqlConnection.
B. Use a SqlDataSource control and configure its ConnectionString in the web.config file.
C. Use an XmlDataSource control together with an Xml control that represents the database.
D. Use a LinqDataSource control with entity classes that represent the elements in the database.

Answer: B, D

Question: 195

Gridview: How to change the image of an image control place in each row in a gridview:

A. ItemDataBound
B. Init
C. Prerender
D. <something I don't remember>

Answer: A

Question: 196

You are developing an ASP.NET Web page named WebPage.aspx.
The page includes a user control named UserInfoControl.ascx
You need to expose a control property named FirstName and read its value from the page.
Which two actions should you perform? (Each correct answer presents part of the solution. Choose two.)

A. Add the following code segment to UserInfoControl.ascx.es.
protected string FirstName{get;set;}
B. Add the following code segment to UserInfoControl.ascx.es.
public string FirstNaiue{get;set;}
C. Add the following code segment to WebPage.aspx.es.
varfirstHame = "userInfoControll.Attributes ;{"FirstName"}
D. Add the following code segment to WebPage.aspx.es.
var firstName = UserInfoControll.FirstName;

Answer: B, D

Question: 197

You are developing an ASP.NET template server control. You need to ensure that a new ID namespace is created within the page control hierarchy when the control. Which interface should you implement on the control?

A. DataItemContainer
B. NamingContainer
C. DataKeysControl
D. ExtenderControl

Answer: B

Question: 198

You are developinASP.NETg an Dynamic Data Web application.
The application uses entities from a global library named Entities.
The Application_Start event contains the following code segment.
DefaultModel.RegisterContect(typeof)(Entities.MyDBDataContext), new
ContextConfiguration() { ScaffoldAllTables = false });
You need to ensure that the application shows the Order and Customer entities and hides all other entities. What should you do?

A. Set the ScaffoldAMTables property of the ContextConfiguration to true.
B. Create a partial class for each entity except Order and Customer within the Entities library and apply the attribute.

C. Create a partial class for the Order and Customer entities within the Web application and apply the[ScaffoldAMTables]
D. Create a partial class for the Order and Customer entities within the Entities library and apply the [ScaffoldAMTables]

Answer: D

Explanation:
http://www.scribd.com/doc/87002157/90/Question-90
https://www.logicsmeet.com/dumps/Download/Microsoft/Microsoft.70-515.logicsmeet.4-5-2012.pdf
http://www.docstoc.com/docs/114435285/CSHARP-Updatedpdf

Question: 199

You are developing an ASP.NET Web page.
The page includes the following EntityDataSource control.
<asp:EntityDataSource ID="EntityDataSource1" runat="server"
ConnectionString="name=AdventureWorksEntities"
DefaultContainerName="AdventureWorksEntities" EnableFlattening="False"
EntitySetName="Products" />
The page must filter the data that is not displayed in a grid based on a querry string paramater named Product whose ProductName starts with the querry string value.
You need to ensure that the page generates the appropriate database query.

A. Add the following element to the **EntityDataSource** control.

```
<WhereParameters>
  <asp:DynamicQueryStringParameter
    QueryStringField="ProductPrefix" Name="ProductName" />
</WhereParameters>
```

B. Add the following element to the **EntityDataSource** control.

```
<WhereParameters>
  <asp:QueryStringParameter
    QueryStringField="ProductPrefix" Name="ProductName" />
</WhereParameters>
```

C. Add the following control after the **EntityDataSource** control.

```
<asp:QueryExtender ID="QueryExtender1" runat="server"
  TargetControlID="EntityDataSource1">
  <asp:PropertyExpression Name="ProductName" />
  <asp:DynamicFilterExpression ControlID="ProductPrefix" />
</asp:QueryExtender>
```

D. Add the following control after the **EntityDataSource** control.

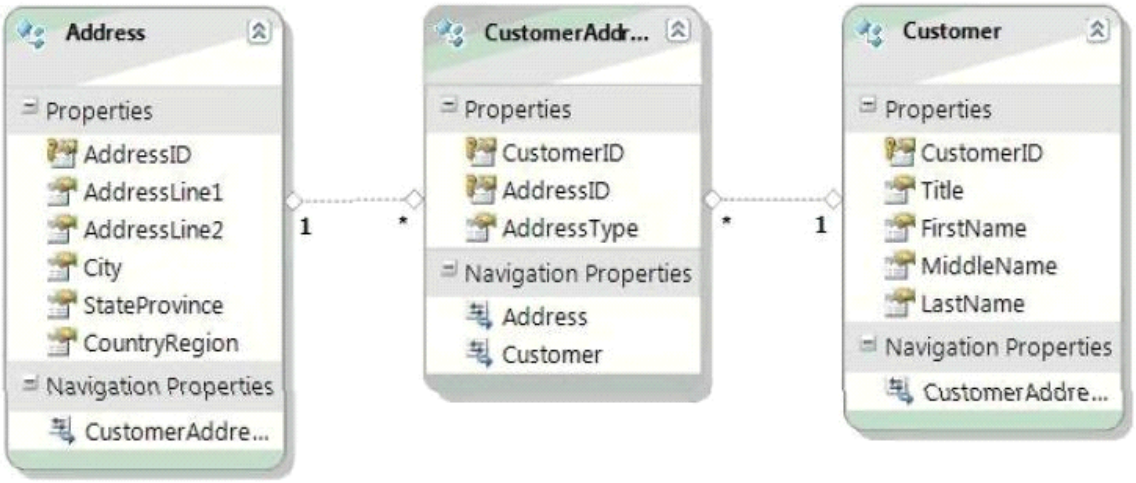
```
<asp:QueryExtender ID="QueryExtender1" runat="server"
  TargetControlID="EntityDataSource1">
  <asp:SearchExpression SearchType="StartsWith"
    DataFields="ProductName">
    <asp:QueryStringParameter
      QueryStringField="ProductPrefix" />
  </asp:SearchExpression>
</asp:QueryExtender>
```

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

Answer: D

Question: 200

You are developing an ASP.NET Web application.
The application includes the following Entity Data Mmodel (EDM)



You instantiate an ObjectContext for the EDM named context. You need to find the total number of addresses that are assosiated with customers that have a no-null mode. Which LINQ to Entities query should you use?

A. var query = context.Customers
.Where(c => c.MiddleName != null)
.Select(c => c.CustomerAddresses.Count();
B. var query = context.Customers
.Where(c => c.MiddleName != null)
.SelectMany(c => c.CustomerAddresses.Count();
C. var query = context.Addresses
.SelectMany(a => a.CustomerAddresses.OfType<Customer>()
.Where(c => c.MiddleName != null)).Count();
D. var query = context.Addresses
.GroupBy(a => a.CustomerAddresses
.Where(ca => ca.Customer.MiddleName != null)).Count();

Answer: D

Question: 201

You are debugging an ASP.NET web page.
The page includes the following method:
[WebMethod]
public string GetServerString()
{
...
}
The page also includes the following markup:
<asp:ScriptManager ID="sm1" runat="server" />
The following JavaScript code is used to call the GetServerString method:
function GetString()
{
PageMethods.GetServerString(callbackMethod);
}
function callbackMethod(str)

{
...
}
The AJAX calls to the GetServerString method are failing.
You need to ensure that the AJAX call to the GetServerString method succeeds.
Which two actions should you perform?
(Each correct answer presents part of the solution. Choose two.)

A. Set the EnablePageMethods property of the ScriptManager control to true.
B. Set the EnablePartialRendering property of the ScriptManager control to true.
C. Change the WebMethod attribute of the GetServerString method to WebMethod (EnableSession= true).
D. Declare the GetServerString method as static.

Answer: A, D

Question: 202

You are developing an ASP.NET Web page.
The page includes a DropDownList control.
You need to call a client-side function when the user changes the value of the control.
Which event should you handle?

A. Click
B.SelettedIndexChanged
C. Change
D. Select

Answer: C

Question: 203

You are developing an ASP.NET web application that you will deploy to an Internet Information Services (IIS) 7.0 server. The application will run in Integrated pipeline mode. The application contains a photo gallery of images that are stored in a Microsoft SQL Server database. You need to ensure that the application can retrieve images from the database without blocking IIS worker process threads. What should you do?

A. create a synchronous HttpHandler that is registered in the HttpHandler section in the web config file
B. asynchronous HttpHandler that is registered in the <handlers> section under system.webserver
C. Create a custom HttpModule that is registered in the <httpModules> section in the web.config file
D. Create an asynchronous HttpHandler that is registered in the <HttpHandlers> section in the web.config

Answer: B

Question: 204

You are adding new capabilities to an ASP.NET Web site. The site currently connects to a Microsoft SQL Server of the CONTOSO\AppIdentity account, which has been granted access to only objects within the database.
The application requires the following implementation.
• Database objects that support ASP.NET roles must be added to the existing database.

• The CONTOSO\AppIdentity user must be granted only the minimum privileges that are required to support
You need to add the ASP.NET roles support.
Which two actions should you perform?

A. Use the aspnet_regsql tool.
B. Use the aspnet_regiis tool.
C. Add the CONTOSO\AppIdentity user to the aspnet_Roles_FullAccess database role.
D. Add the CONTOSO\AppIdentity user to the db_accessadmin database role.

Answer: A, C

Question: 205

You are implementing an ASP.NET page that includes the following down list.
<asp:PlaceHolder ID="dynamicControls" runat="server">
<asp:DropDownList ID="MyDropDown" runat="server">
<asp:ListItem Text="abc" value="abc" />
<asp:ListItem Text="def" value="def" />
</asp:DropDownList>
</asp:PlaceHolder>
You need to dynamically add values to the end of the drop-down list.
What should you do?

A. Add the following OnPreRender event handler to the asp:DropDownList
Private Sub mydropdown_PreRender(ByVal sender As Object, ByVal e As System.
EventArgs) Handles mydropdown.PreRender
Dim ddl As DropDownList = TryCast(sender, DropDownList)
Dim lbl As Label = New Label()
lbl.Text = "Option"
lbl.ID = "Option"
ddl.Controls.Add(lbl)
End Sub
B. Add the following OnPreRender event handler to the asp:DropDownList
Private Sub mydropdown_PreRender(ByVal sender As Object, ByVal e As System.
EventArgs) Handles mydropdown.PreRender
Dim ddl As DropDownList = TryCast(sender, DropDownList)
ddl.Items.Add("Option")
End Sub
C. Add the following event handler to the page code-behind.
Protected Sub Page_Load(ByVal sender As Object, ByVal e As System.EventArgs)
Handles Me.Load
Dim ddl As DropDownList = TryCast(Page.FindControl("mydropdown"),
DropDownList)
Dim lbl As Label = New Label()
lbl.Text = "Option"
lbl.ID = "Option"
ddl.Controls.Add(lbl)
End Sub
D. Add the following event handler to the page code-behind.
Private Sub Page_LoadComplete(ByVal sender As Object, ByVal e As System.
EventArgs) Handles Me.LoadComplete

```
TryCast(Page.FindControl("mydropdown"), DropDownList)
ddl.Items.Add("Option")
End Sub
```

Answer: B

Question: 206

You are developing an ASP.NET web page.
The page includes the following EntityDataSource control:

```
<asp:EntityDataSource ID="EntityDataSource1" runat="server"
ConnectionString="name=AdventureWorksEntities"
DefaultContainerName="AdventureWorksEntities" EnableFlattening="False"
EntitySetName="Products" />
```

The page must filter the data that is displayed in a grid based on a query string parameter named ProductPrefix.
The grid must display products whose ProductName starts with the query string value. You need to ensure that the page generates the appropriate database query. What should you do?

A. Add the following element to the EntityDataSource control:

```
<WhereParameters>
<asp:DynamicQueryStringParameter QueryStringField="ProductPrefix"
Name="ProductName" />
</WhereParameters>
```

B. Add the following element to the EntityDataSource control:

```
<WhereParameters>
<asp:QueryStringParameter QueryStringField="ProductPrefix"
Name="ProductName" />
</WhereParameters>
```

C. Add the following element to the EntityDataSource control:

```
<asp:QueryExtender ID="QueryExtender1" runat="server"
TargetControlID="EntityDataSource1">
<asp:PropertyExpression Name="ProductName" />
<asp:DynamicFilterExpression ControlID="ProductPrefix" />
</asp:QueryExtender>
```

D. Add the following element to the EntityDataSource control:

```
<asp:QueryExtender ID="QueryExtender1" runat="server"
TargetControlID="EntityDataSource1">
<asp:SearchExpression SearchType="StartsWith" DataFields="ProductName">
<asp:QueryStringParameter QueryStringField="ProductPrefix" />
</asp:SearchExpression>
</asp:QueryExtender>
```

Answer: D

Question: 207

Which directive defines master page-precise attributes that are used by the ASP.NET page parser and compiler?

A. @ MasterType
B. @ Master

C. @ PageType
D. @ MasterPage

Answer: B

Explanation:
CHAPTER 2 Using Master Pages, Themes, and Caching
Lesson 1: Using Master Pages
Creating a Master Page (page 45)

Question: 208

Which of the following is the correct syntax to specify the path to a file that generates the strong type?

A. <%@ PreviousPageType VirtualPath ="~/MyPage.aspx"% >
B. <%@ PreviousPageType VirtualPath ="/MyPage.aspx/ ~"% >
C. <%@ PreviousPageType VirtualPath ="~/MyPage.master"% >
D. <%@ PreviousPageType VirtualPath ="~/MyPage"% >

Answer: A

Explanation:
CHAPTER 5 Input Validation and Site Navigation
Lesson 2: Performing Site Navigation
Accessing Posted Data as Strongly Typed Data (page 249)
@ PreviousPageType
(http://msdn.microsoft.com/en-us/library/ms228169.aspx)

Question: 209

You work as an ASP.NET Web Application Developer for SomeCompany.
The company uses Visual Studio .NET 2010 as its application development platform.
You create an ASP.NET MVC 2 Web application using .NET Framework 4.0.
You implement a single project area in the MVC 2 Web application.
In the Areas folder, you add a subfolder named MyTest.
You add the following files to the appropriate sub-folders:
MyController. cs
MyHome.aspx
You register a route of the area, setting the route name to MyTest_default and the area name to test.
You create a view named MyViews.aspx that is outside the test area. You need to add a link to MyViews.aspx that points to MyHome.aspx. Which of the following code segments will you use?

A. <%= Html.ActionLink("MyTest", "MyHome", new {area = "test"}, null)%>
B. <%= Html.RouteLink("MyHome", "MyTest", new {area = "test"}, null)%>
C. <%= Html.RouteLink("MyTest", "MyHome", "MyTest", new {area = "test"}, null)%>
D. <%= Html.ActionLink("MyTest", "MyHome", "MyTest", new {area = "test"}, null)%>

Answer: D

Explanation:

The ActionLink method renders an element that links to an action method.
The RouteLink method renders an element that links to a URL, which can resolve to an action method, a file, a folder, or some other resource.
LinkExtensions.ActionLink Method
(http://msdn.microsoft.com/en-us/library/system.web.mvc.html.linkextensions.actionlink.aspx)
LinkExtensions.RouteLink Method
(http://msdn.microsoft.com/en-us/library/system.web.mvc.html.linkextensions.routelink.aspx)

Question: 210

You work as an ASP.NET Web Application Developer for SomeCompany.
The company uses Visual Studio .NET 2010 as its application development platform.
You are creating an ASP.NET Web application using .NET Framework 4.0.
The Web application will be accessed by international audience.
The Web application holds global and local resources for display elements that must be translated into the language that is preferred by the user.
You are required to ensure that a Label control named CompanyLabel displays text in the user's preferred language from the global resource file.
Which control markup will you use?

A. <asp:Label lD="CompanyLabel" runat="server" Text="<%$ Resources:WebResources,
Text %>" />
B. <asp:Label lD="CompanyLabel" runat="server" Text="<% Resources:WebResources %
>" />
C. <asp:Label lD="CompanyLabel" runat="server" Text="<%$ Resources:WebResources,
CompanyLabelText %>" />
D. <asp:Label lD="CompanyLabel" runat="server" Text="CompanyLabel" meta:
resourcekey="CompanyLabel.Text" />

Answer: C

Explanation:
CHAPTER 6 Globalization and Accessibility
Lesson 1: Configuring Globalization and Localization
Attaching Controls and Resources Explicitly (page 298)

Question: 211

You work as an ASP.NET Web Application Developer for SomeCompany.
The company uses Visual Studio .NET 2010 as its application development platform.
You are creating an ASP.NET Web application using .NET Framework 4.0.
The Web application makes use of SqlMembershipProvider.
You need to test the application locally and then deploy it to numerous production servers.
You must ensure that each and every deployed application accesses the identical production database in a Microsoft SQL Server.
What will you do? (Each correct answer represents a part of the solution. Choose two.)

A. Execute the Aspnet_regsql.exe tool to create the database on the correct Microsoft SQL Server.
B. Run the Aspnet_compiler.exe tool to create the database on the correct Microsoft SQL Server.
C. Alter the Web.Release.config file to transform the connection string to provide the names of the database and

production server.
D. Alter the Web.Debug.config file to transform the connection string to provide the names of the database and production server.
E. Alter the connection string in the Web.config file to provide the names of the production server.

Answer: A, E

Explanation:
CHAPTER 8 Debugging and Deploying
Lesson 3: Deploying Websites
Publishing Web Applications - Publishing Web Applications (page 420)
Web.config Transformation Syntax for Web Application Project Deployment
(http://msdn.microsoft.com/en-us/library/dd465326.aspx)

Question: 212

You work as an ASP.NET Web Application Developer for SomeCompany.
The company uses Visual Studio .NET 2010 as its application development platform.
You are creating an ASP.NET Web application using .NET Framework 4.0.
The application will provide information about products manufactured by the company.
The company has a branch office in Saudi Arabia.
The Sales department employees of the branch office in Saudi Arabia will use the application.
You are required to accomplish the following tasks:
The application displays contents in the correct format for the employees of the Saudi Arabia office.
Each page in the application is displayed in the right-to-left format.
What will you do to accomplish these tasks?
(Each correct answer represents a part of the solution. Choose two.)

A. In the Web.config file of the Web application, set the culture attribute of the <globalization> element to "ar-SA".
B. In the Web.config file of the Web application, set the uiCulture attribute to "ar-SA".
C. In the Web.config file of the Web application, set the culture attribute to "SA".
D. In the Web.config file of the Web application, set the culture attribute of the <globalization> element to "ar".
E. Set the HTML dir attribute for the <body> element of each page to "rfl".

Answer: A, E

Explanation:
CHAPTER 6 Globalization and Accessibility
Lesson 1: Configuring Globalization and Localization

Question: 213

You work as an ASP.NET Web Application Developer for SomeCompany. The company uses Visual Studio .NET 2010 as its application development platform. You are creating an ASP.NET MVC 2 Web application using .NET Framework 4.0. You add a controller named MVC2Controller to the MVC 2 application. You are required to modify the MVC 2 application to manage the URL path /company/info. What will you do? (Each correct answer represents a part of the solution. Choose two.)

A. Right-dick the Views folder, and select View from the Add sub-menu to create the view for the action.
B. Add the following method to MVC2Controller:

```
public ActionResult InfoController()
{
return View();
}
```

C. Right-dick within the action method in MVC2Controller, and select Add View to create a view for the action.
D. Add the following method to MVC2Controller:

```
public ActionResult Info()
{
return View();
}
```

E. Add the following method to MVC2Controller:

```
public ActionResult Company_Info()
{
return View();
}
```

Answer: C, D

Question: 214

You work as an ASP.NET Web Application Developer for SomeCompany. The company uses Visual Studio .NET 2010 as its application development platform. You create an ASP.NET Web site using .NET Framework 4.0. Only registered users of the company will be able to use the application. The application holds a page named UserAccount.aspx that enables new users to register them to the registered users' list of the company. The UserAccount page hold numerous TextBox controls that accept users personal details, such as user name, password, home address, zipcode, phone number, etc. One of the TextBox controls on the page is named ZipCode in which a user enters a zip code. You must ensure that when a user submits the UserAccount page, ZipCode must contain five numeric digits. What will you do to accomplish this? (Each correct answer represents a part of the solution. Choose two.)

A. Use RangeValidator.
B. Use RegularExpressionValidator
C. Use RequiredValidator
D. Use CompareValidator
E. Use RequiredFieldValidator

Answer: B, E

Question: 215

You work as an ASP.NET Web Application Developer for SomeCompany. The company uses Visual Studio .NET 2010 as its application development platform. You are creating an ASP.NET Web application using .NET Framework 4.0. The application holds a Web page named MyHome.aspx. You are creating a button with a rolloverimage on MyHome.aspx. However, when mouse hovered over the button image, the rolloverimage is retrieved from the server in a separate request. You need to use an improved rollover button in which the button's rolloverimage is already downloaded and stored in the browser's cache, as a result when you hover over the button, it is instantly displayed. What will you do to accomplish this?
(Each correct answer represents a part of the solution. Choose two.)

A. Use JavaScript Object Notation.
B. Use the RegisterClientScriptBlock method.

C. Use the RegisterClientScriptInclude method.
D. Build a JavaScript function.
E. Use the RegisterClientScriptResource method.

Answer: B, D

Question: 216

You work as an ASP.NET Web Application Developer for SomeCompany. The company uses Visual Studio .NET 2010 as its application development platform. You create an ASP.NET Web application using .NET Framework 4.0. You are planning to deploy the ASP.NET Web application to a production server by publishing the Web application in Release configuration. You must ensure that the connection string value in the Web.config file is updated to the connection string value of the production server during publishing. What will you do?

A. Add the following code to the Web.config file.
<connectionStrings>
<add name="DataBD" connectionString="Server=ProductionSewer;
Database=ProductionDB;Integrated Security=SSPI;" xdt:Transform="Replace" xdt:
Locator="Match(name)" />
</connectionStrings>
B. Add the following code to the Web.release.config file.
<connectionStrings>
<add name="DataBD" connectionString="Server=ProductionSewer;
Database=ProductionDB;Integrated Security=SSPI;" xdt:Transform="Replace" xdt:
Locator="Match(name)" />
</connectionStrings>
C. Add the following code to the Web.config file:
<connectionStrings>
<add name="DataBD" connectionString="Server=ProductionSewer;
Database=ProductionDB;Integrated Security=SSPI;" xdt:Transform="Replace" xdt:
Locator="XPath(name)" />
</connectionStrings>
D. Add the following code to the Web.release.config file.
<connectionStrings>
<add name="DataBD" connectionString="Server=ProductionSewer;
Database=ProductionDB;Integrated Security=SSPI;" xdt:Transform="Replace" xdt:
Locator="XPath(name)" />
</connectionStrings>

Answer: B

Question: 217

Which property of the Label control gets\sets the identifer for a server control that the Label control is associated with?

A. ClientID
B. ID
C. AssociatedControlID
D. ControlID

Answer: C

Question: 218

Which property of the ListView class is used to get\set the name of the data field whose value exclusively identifes every data row of a ListView when the ClientIDMode property is set to Predictable?

A. LoadViewStateByID
B. UniqueID
C. ClientIDMode
D. ClientIDRowSuffix

Answer: D

Question: 219

Which class provides paging functionality for data-bound controls that implement the IPageableItemContainer interface?

A. DataPagingField
B. DataPagerCollection
C. DataPager
D. DataPaging

Answer: C

Question: 220

Which method of the Page class searches the page naming container for a server control with a particular identifer?

A. FindFieldTemplate
B. FindControl
C. FindDataSourceControl
D. FindDataControl

Answer: B

Question: 221

Which control allows you to bind to data items that are returned from a data source and display them?

A. ListView Web Server Control
B. DetailsView Web Server Control
C. DataList Web Server Control
D. Data Web Server Control

Answer: A

Question: 222

Which class defines the contract that ASP.NET implements to provide membership services using custom membership providers?

A. FormsAuthentication
B. RoleProvider
C. SqlRoleProvider
D. MembershipProvider

Answer: D

Question: 223

You work as an ASP.NET Web Application Developer for SomeCompany. The company uses Visual Studio .NET 2010 as its application development platform. You create an ASP.NET Web application using .NET Framework 4.0. The Web application connects to a SQL Server database. You use the ADO.NET Entity Framework to handle persistence-ignorant entities. You create an ObjectContext object named ObjContext. Subsequently, you change properties on numerous entities. You are required to save the changed entity values in the SQL Server database. Which of the following code segments will you use?

A. ObjContext.SaveChanges(SaveOptions.DetectChangesBeforeSave);
B. ObjContext.SaveChanges(SaveOptions.AcceptAllChangesAfterSave);
C. ObjContext.SaveChanges(SaveOptions.All);
D. ObjContext.SaveChanges(SaveOptions.None);

Answer: A

Question: 224

Which of the following is the correct collection of build events?

A. Pre-Build, Post-Link, and Pre-Link
B. Pre-Build, Post-Build, and Post-Link
C. Pre-Build, Pre-Link, and Post-Build
D. Post-Link, Pre-Link, and Post-Build

Answer: C

Question: 225

Which utility allows you to pre-compile and publish your Web site to a new location?

A. Publish Web Site
B. Web-based installation
C. Web site project mode
D. Web services directory

Answer: A

Question: 226

Which method of the ChildActionExtensions class calls a child action method and renders the result inline in the parent view?

A. RenderPartial
B. Action
C. Render
D. RenderAction

Answer: D

Question: 227

You work as an ASP.NET Web Application Developer for SomeCompany.
The company uses Visual Studio .NET 2010 as its application development platform.
You create an ASP.NET Web application using .NET Framework 4.0.
The ASP.NET application is used to track employee performance.
It uses Microsoft Windows authentication.
Employees are members of a group named Employees.
Managers are members of a group named Managers.
The root folder of the application is named Details.
The Details folder displays information about employees' performance.
The Details folder has a subfolder named MoreDetails.
You need to ensure that employees and managers can access pages stored in the Details folder.
However, only managers can access pages stored in the MoreDetails folder.
You make the following entries in the Web.config file in the Details folder.
(Line numbers are given for reference only.)
1 <authentication mode="Windows" / >
2 <authorization>
3 <allow roles="Employees, Managers" / >
4 <deny users="*" />
5 </authorization>
You make the following entries in the Web.config file in the MoreDetails folder.
(Line numbers are given for reference only.)
1 <authentication="Windows" />
2 <authorization>
3 <allow roles="Managers" />
4 <deny users="*" />
5 </authorization>
When managers try to access pages stored in the MoreDetails folder, they receive the following error message:
"An error occurred during the processing of a configuration file required to service this request."
You must ensure that managers are able to access pages stored in the MoreDetails folder.
What will you do to accomplish this?

A. Add the following directive between line 1 and line 2 in the Web.config file in the MoreDetails folder:
<identity impersonate="false" />
B. Modify line 4 in the Web.config file in the MoreDetails folder as follows:

<allow users="*" />
C. Add the following directive between line 1 and line 2 in the Web.config file in the MoreDetails folder:
<identity impersonate="true" />
D. Replace line 1 in the Web.config file in the MoreDetails folder with
<authentication mode="Windows" />
E. Add the following directive between line 1 and line 2 in the Web.config file in the Details folder:
<identity impersonate="true" />

Answer: D

Question: 228

Which event of the GridView class occurs when the Edit button of a row is clicked, but before the GridView control enters edit mode?

A. RowEntered
B. RowEdited
C. RowEntering
D. RowEditing

Answer: D

Question: 229

You work as an ASP.NET Web Application Developer for SomeCompany. The company uses Visual Studio .NET 2010 as its application development platform. You create an ASP.NET Web application using .NET Framework 4.0. You create a Web page in the application. The Web page will get large sets of data from a data source. You add a DataPager control to the page. You are required to display navigation controls that enable you to create a custom paging Ul for the DataPager control. What will you do?

A. Use NextPreviousPagerField.
B. Use NumericPagerField.
C. Use PreviousPagerField.
D. Use NextPagerField.
E. Use TemplatePagerField.

Answer: E

Question: 230

You work as an ASP.NET Web Application Developer for SomeCompany. The company uses Visual Studio .NET 2010 as its application development platform. You are creating an ASP.NET Web application using .NET Framework 4.0. The Web application comprises a class named Employee with properties named as First Name, Last Name, and Age. You add a Web page in which you get a list of Employee objects and display those objects in a GridView control. You are required to add code so that the GridView row is highlighted in red color if the age of the employee is less than 21 years. What will you do to accomplish this?

A. Use the RowCommand event of the GridView control.
B. Use the SelectedIndexChanged event of the GridView control.

C. Use the RowDataBound event of the GridView control.
D. Use the RowEditing event of the GridView control.
E. Use the RowUpdated event of the GridView control.

Answer: C

Question: 231

Which tool is used to simplify the migration, management and deployment of IIS Web servers, Web applications and Web sites?

A. System Designer
B. XCOPY deployment
C. Deployment Designer
D. Web Deployment

Answer: D

Question: 232

You work as an ASP.NET Web Application Developer for SomeCompany. The company uses Visual Studio .NET 2010 as its application development platform. You have recently finished the development of an ASP.NET Web application using .NET Framework 4.0. Now, you are deploying the ASP.NET Web application to a remote server. You are required to select a deployment method that will make sure that all Internet Information Services (IIS) settings, in addition to the Web content, are deployed to the remote server. Which of the following deployment methods will you select to accomplish this?

A. Web Setup project
B. Web-based deployment
C. Deployment manifest
D. Web Deployment Tool

Answer: B

Question: 233

Which class is used to specify a set of features to support on the XrnlReader object created by the Create method?

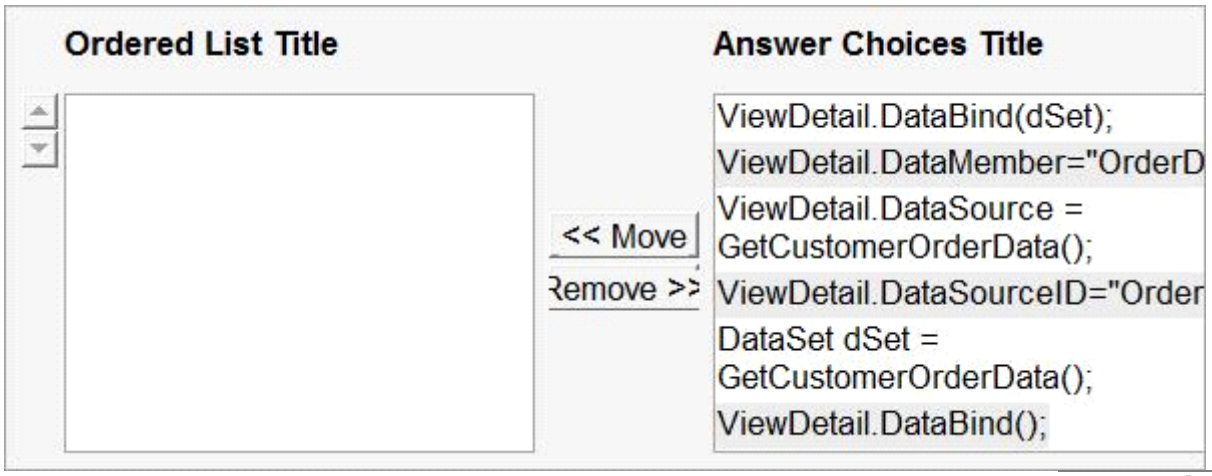
A. XmlReaderSettings
B. XmlSecureResolver
C. XmlValidatingReader
D. XmlTextReaderSelectMany(c => c.CustomerAddresses).Count()

Answer: A

Question: 234

DRAG DROP
You work as an ASP.NET Web Application Developer for SomeCompany.

The company uses Visual Studio .NET 2010 as its application development platform.
You create an ASP.NET Web application using .NET Framework 4.0.
The application has an ASP.NET page.
The page contains a method named GetCustomerOrderData that returns a DataSet.
GetCustomerOrderData contains two DataTable objects named CustomerDetails and OrderDetails, respectively.
You are required to display the data in OrderDetails in a DetailsView named ViewDetail.
Choose the appropriate steps in the correct order to accomplish this.

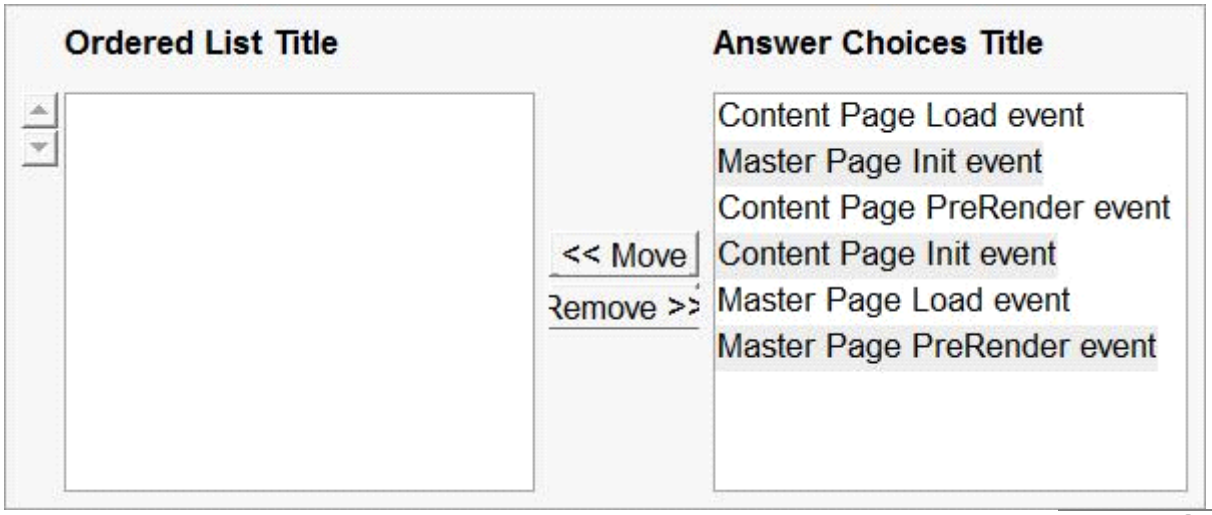


Answer:

ViewDetail.DataSource = GetCustomerOrderData();
ViewDetail.DataMember="OrderDetails";
ViewDetail.DataBind();

Question: 235

DRAG DROP
You have an ASP.NET web application that uses master pages and content pages.
You must initialize and close multiple resources from different events.
In what order do events in the master pages and content pages occur?



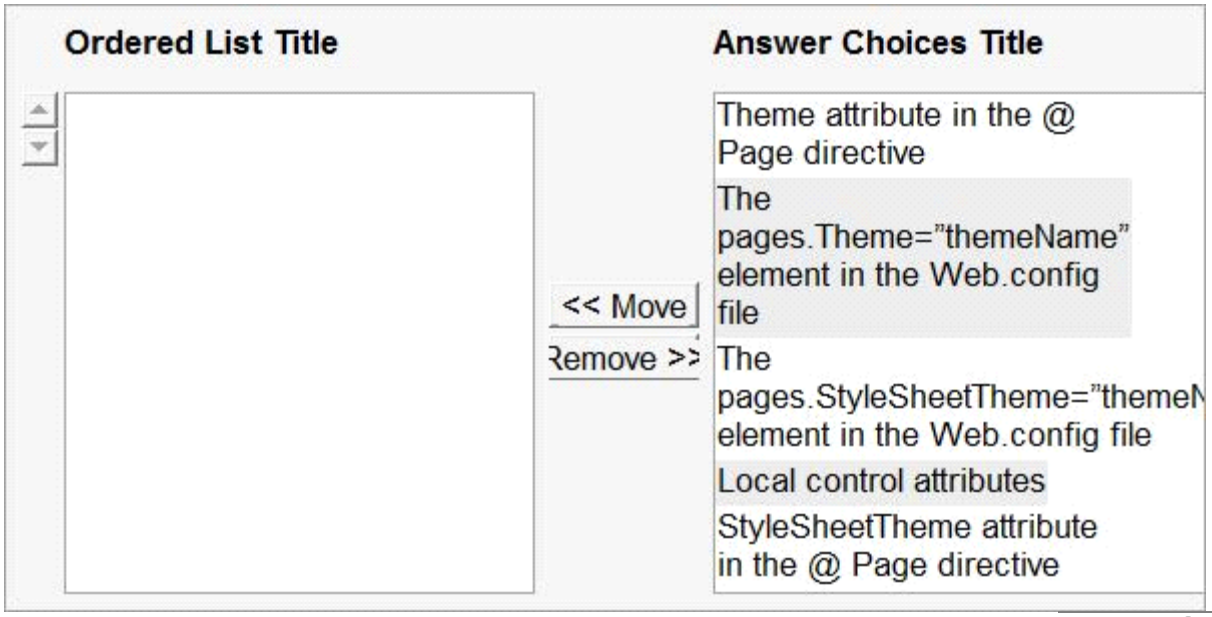
Answer:

Master Page Init event
Content Page Init event
Content Page Load event
Master Page Load event
Content Page PreRender event
Master Page PreRender event

Explanation:
CHAPTER 2 Using Master Pages, Themes, and Caching
Lesson 1: Using Master Pages
Overview of Master and Content Pages (page 44)
Events in ASP.NET Master and Content Pages
(http://msdn.microsoft.com/en-us/library/dct97kc3(v=vs.80).aspx)

Question: 236

DRAG DROP
You are developing an ASP.NET website that uses multiple layers of themes. You want to ensure that attributes will be correctly applied to controls when multiple themes specify the same control attribute. What is the order of precedence that defines how ASP.NET applies themes?



Answer:

Theme attribute in the @ Page directive
The pages.Theme="themeName" element in the Web.config file
Local control attributes
StyleSheetTheme attribute in the @ Page directive
The pages.StyleSheetTheme="themeName" element in the Web.config file

Explanation:
CHAPTER 2 Using Master Pages, Themes, and Caching
Lesson 2: Using Themes
Rules for Applying Themes (page 66-67)

Question: 237

mouseenter jQuery
In a page there is a div (I guess it was a div) and you need to execute a javascript function when if first moves the mouse over the element

A. $(“#divheader”).mouseenter(somefunction);
B. $(“#divheader”).mouseenter(somefunction);
C. $(“.divheader”).mouseenter(somefunction);
D. $(“.divheader”).mouseenter(somefunction);

Answer: A

Explanation:
$('#outer').mouseenter(function() {$('#log').append(' Handler for .mouseenter() called. ');});
http://api.jquery.com/mouseenter/

Question: 238

Ajax extender
Create an extender that extends a textbox and assigns to a button;
Using wich combination?

A. [TargetControlType(typeof(TextBox))]
[IDReferenceProperty(typeof(Button))]

Answer: A

Explanation:
[TargetControlType(typeof(TextBox))]
public class DisabledButtonExtender : ExtenderControlBase
{
[ExtenderControlProperty]
[DefaultValue("")]
[IDReferenceProperty(typeof(Button))]
http://www.asp.net/web-forms/tutorials/ajax-control-toolkit/getting-started/creating-a-custom-ajax-control-toolkitcontrol-extender-cs