Designing and Developing Web Apps Using MS .NET Framework 4

1. You are designing an ASP.NET Web application that targets multiple browsers and form factors.

A. Create an ASP.NET theme specific to each problematic device. In the page PreRender event, set the Theme property to the custom theme based on the value of the Request.Browser.Type property.

B. In the page PreRender event, call the Response.WriteSubstitution() method with a delegate. In the delegate, populate the page with device-specific markup based on the value of the Request.Browser.Type property.

C. Derive a class from ControlAdapter that produces device-specific markup. In the browser definition file, add an entry in the controlAdapters collection for each of the problematic devices. In the entry, point to the third-party server control and adapter type.

D. Derive a class from the third-party server control. In the new server control, override the TemplateSourceDirectory property to return a value pointing to a file containing the device-specific markup.

Answer(s): C

---

2. You need to design a solution for capturing an exception.

A. Use an Application_Error method.

B. Use a HandleError attribute.

C. Use a customErrors element.

D. Use a Page_Error method.

Answer(s): B

---

3. You are designing an ASP.NET Web application for display on desktop computers and on mobile devices. You have the following requirements:

A. Create two separate themes for desktop and mobile user interfaces

B. Create two separate skins for desktop and mobile user interfaces

C. In the PreRender method of the Web application's master page, test Request. Browser Mobile Device Model and switch to the appropriate interface.

D. Create a System.Web.Ul.Page subclass that all Web application pages inherit from. In the Page_Prelnit method, test Request Browser Is Mobile Device and switch to the appropriate interface

Answer(s): A,D

---

4. You are designing an ASP.NET Web application that will queue e-mail messages in a

A. Run the Windows service on a server that is separate from the Web application host server.

B. Use a shared memory connection to the database.

C. Process the high-priority messages first.

D. Modify the Windows service to handle multiple threads.

Answer(s): A,C

---

5. You are designing an ASP.NET Web application.

A. ADO NET DataTables and ASPNET Web Services

B. ADO.NET DataSets and ASP.NET Web Services

C. Windows Communication Foundation

D. Entity Framework

Answer(s): C

---

6. You are designing an ASP.NET Web application in Microsoft Visual Studio 2010. You plan to deploy the application to multiple branch offices within your company. Each branch office requires different settings for SQL Server connections.

A. Use configuration transformations.

B. Use a separate web.config file for each branch office.

C. Use MSDeploy.

D. Store the connection strings in the database.

Answer(s): A,C

---

7. You are designing a testing methodology for an ASP.NET MVC 2 Web application.

A. Design tests against the data access layer.

B. Design tests against the client browser.

C. Design tests against the controllers.

D. Design tests against the model.

Answer(s): C

---

8. You are designing an ASP.NET Web application that will be accessed only by a proprietary user agent.

A. Create a class derived from System .Text. Encoder. In the Web.config file, add a pages element with the pageParserFilterType attribute set to the derived class type name.

B. Create a class derived from HttpEncoder. In the Web.config file, add an httpRuntime element with the encoderType attribute set to the derived class type name.

C. Create a class derived from HttpEncoder. In the browser definition file, add a capability element named httpEncoding, with the type attribute set to the derived class type name.

D. Create a class derived from System.Text.Encoder. In the browser definition file, add a capability element named httpEncoding, with the type attribute set to the derived class type name.

Answer(s): B

---

9. You are designing an ASP.NET Web application form that allows the user to submit queries to a Microsoft SQL Server database.

A. Use an on Submit Java Script handler for the form

B. Use SQL parameters for database access.

C. Use Regular Expression Validator and Range Validator controls.

D. Use the Enable View State Mac property.

Answer(s): B,C

---

10. You are designing an ASP.NET Web application that allows users to type a value in a text box

A. Use a CustomValidator control.

B. Use a DynamicValidator control.

C. Use an OnServerValidate method.

D. Use a ClientValidationFunction method.

Answer(s): A,C

---

11. You are designing an ASP.NET MVC 2 Web application that will contain reusable markup.

A. Use a Substitution control and enable Session state.

B. Design a view user control and enable ViewState.

C. Design a view user control and enable Session state.

D. Use a Substitution control and enable ViewState.

Answer(s): C

---

12. You are implementing additional functionality within an existing ASP.NET 4 Web Forms Web site project by using ASP. NETMVC2.

A. Convert the Web site project to an ASP. NET MVC 2 application.

B. Convert the Web site project to a Web application.

C. Reference the ASP.NET MVC 2 assemblies in the application configuration file.

D. Modify the T4 templates to support ASP.NET Web Forms.

Answer(s): B,C

---

13. You are designing a monitoring plan for a multi-tier ASP.NET Web application. The Web application uses multiple Web servers and a database server. You plan to use a dedicated monitoring server.

A. Use AJAX to log user actions on each Web page to a database on the monitoring server. Run a process on the monitoring server that periodically checks the monitoring database and sends an alert if there is an interruption in Web page activity.

B. Run a process on each Web server that logs activity to a database on the monitoring server. Run a process on the monitoring server that periodically checks the monitoring database and sends an alert if any service stops logging.

C. Run a process on the monitoring server that periodically sends a request to each application service. Send an alert if a response is not received for any request.

D. Use Microsoft Message Queuing (MSMQ) to send a message to the monitoring server in the Load event of the Web application's master page. Run a process on the monitoring server that polls for MSMQ

messages and sends an alert if any server stops sending messages.

Answer(s): C

---

14. You need to design an automation solution for the final-release build process.

A. Use Web application configuration file transforms.

B. Append the Config Source attribute to each application configuration section.

C. Duplicate each configuration section for the debug build configuration, and modify the settings for the release build configuration.

D. Create a custom configuration section for each build configuration value.

Answer(s): A

---

15. You are designing a data validation strategy for an ASP.NET Web application. A page of the Web application includes multiple Panel controls. Each panel contains input controls, validator controls, and a Submit button.

A. Change each Panel control to an UpdatePanel control. Set a PostBackTrigger for the Submit button on the panel.

B. For each panel, set the ValidationGroup property on the Submit button to a unique value and add a ValidationSummary control with the same value.

C. For each panel, set the ValidationGroup property on all the validator controls and the Submit button to a unique value for the panel.

D. Change each Panel control to an EditorZone control.

Answer(s): C

---

16. You deploy a medium-trust ASP.NET Web application to a Web server that runs IIS 7.0. The Web server hosts multiple Web sites.

A. Deploy all the Web applications in the built-in DefaultAppPool application pool. Set the Managed Pipeline Mode setting to Classic.

B. Deploy each Web application in a separate application pool. Create and use a single custom account.

C. Deploy all the Web applications in a single custom application pool.

D. Deploy each Web application in a separate application pool. Use the built-in ApplicationPoolIdentity account.

Answer(s): D

---

17. An ASP.NET Web application contains a class named Money. The Money class has properties named Value and Currency.

A. In the constructor, create a new instance of the LocalsItemDescription class for each of the Value and Currency properties.

B. Apply the DebuggerDisplay attribute to the class.

C. Modify the class to inherit from the LocalVariableInfo class. Override the IsPinned property to return true.

D. In the Value and Currency property setters, call the Debug.WriteLine() method.

Answer(s): B

---

18. You are designing an exception-handling strategy for an ASP.NET Web Forms application. The Web application will use Windows authentication.

A. Add a HandleError attribute to each controller class.

B. On the assembly, add a SecureRules attribute with the security rule set configured to level 2.

C. In the Application_Error event handler, wrap the exception in an ExternalException exception. Re-throw the exception if the user is not a member of the Administrators group.

D. In the customErrors element of the Web.config file, set the mode attribute to remoteOnly.

Answer(s): B

---

19. You are designing an ASP.NET Web application in Microsoft Visual Studio 2010.

A. Use a separate web.config file for each branch office.

B. Store the connection strings in the database.

C. Use configuration transformations.

D. Use MSDeploy.

Answer(s): C,D

---

20. You are designing an ASP.NET Web Forms application that uses a database containing user names and hashed passwords for authentication.

A. Install a certificate on the Web server, and force the login form to use SSL.

B. Write an on Submit JavaScript handler that hashes the password before the password is submitted to the server.

C. Write an On Click method for the Submit button that hashes the password before the password is compared with the password value that is stored in the database.

D. Write an on Submit JavaScript handler that URL-encodes the password before the password is passed to the server.

Answer(s): A