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Exam : **70-519**

Title : Designing & Developing Web Apps Using MS .NET Frmwk 4

Version : DEMO

1.You are designing an ASP.NET Web application.You have the following requirements:
• Users must be allowed to save their work in progress on one computer and to continue the work on another computer.
• Data that is submitted for processing must be valid, and invalid data must be rejected.
• Primary key constraints within the database must be enabled at all times
• The application must store only data that is entered by the user You need to design data validation to support the requirements.Which two approaches should you recommend (Each correct answer presents part of the solution.Choose two.)
A.Store temporary form data as XML in a database table.
B.Use validators to verify the data when the user submits a form.
C.Add an is Temporary column to each database table, and set all columns to allow null values
D.Provide default values for the database columns, and submit the form with user-entered values when the user saves the form.
Answer: A, B

2.You are designing an ASP.NET Web application.The application must provide a data access method that supports HTTP, MTOM, SOAP, and TCP.You need to ensure that customers can integrate their applications with the data sources and business rules for your Web application.Which data access technology or technologies should you recommend?
A.Entity Framework
B.Windows Communication Foundation
C.ADO.NET DataSets and ASP.NET Web Services
D.ADO NET DataTables and ASPNET Web Services
Answer: B

3.You are designing an ASP.NET Web application that allows users to type a value in a text box.The application must function with JavaScript disabled.You need to design a method for using a Web service to validate the user-typed value before the form is processed.Which two actions should you recommend? (Each correct answer presents part of the solution.Choose two.)
A.Use a CustomValidator control.
B.Use a DynamicValidator control.
C.Use an OnServerValidate method.
D.Use a ClientValidationFunction method.
Answer: A, C

4.You have an ASP.NET Web Forms application for processing orders.Many users of the application submit their order forms multiple times due to incorrectly formatted credit card information.You need to plan for validation of the length and format of data in the credit card field on the client side prior to processing each transaction.Which approach should you recommend?
A.Use a Custom Validator control in the Page_Load method.
B.Use a Custom Validator control in the On Server Validate method
C.Use a Required Field Validator control and a Compare Validator control.
D.Use a Required Field Validator control and a Regular Expression Validator control.
Answer: D

5.You are designing an internal Web application.You have the following requirements:
• Use an existing data layer built on the Entity Framework
• Ensure that additional Entity Framework entities can be supported without additional coding.You need to design the Web application so that users can add, edit, and delete data.Which approach should you recommend?
A.Create an ASPNET Dynamic Data project.
B.Create an ASP.NET MVC 2 project and use the Entity Framework data layer as your model.
C.Create an ASP.NET Web Forms application and set the Data Source ld for each Grid View to an Entity Data Source control.
D.Create an ASP.NET Web Forms application and set the Data Source ld for each Grid View to an Object Data Source control.
Answer: A

6.You are designing an ASP.NET MVC 2 Web application.You have the following requirements:
• Type safety must be validated at compile time.
• Code must not require explicit run-time type casting.You need to pass data between the controllers and the views within the Web application.Which approach should you recommend?
A.Use the ViewDataDictionary class.
B.Use the TempDataDictionary class.
C.Use strongly typed view model classes.
D.Use dynamic object view model classes.
Answer: C

7.You are designing an ASP.NET Web application for display on desktop computers and on mobile devices.You have the following requirements:
• Present a full-featured interface to users of desktop computers that include many interaction options and graphical buttons.
• Present a simple interface to users of mobile devices that do not include bandwidth-intensive elements.You need to design the Web application to meet the requirements.Which two approaches should you recommend7 (Each correct answer presents part of the solution? Choose two.)
A.Create two separate skins for desktop and mobile user interfaces
B.Create two separate themes 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_PreInit method, test Request Browser Is Mobile Device and switch to the appropriate interface
Answer: B, D

8.You are designing the user interface for an ASP.NET Web application.The Web application allows several departments to personalize the style of their sections of the Web application.All departmental section styles derive from the core styles of the Web application and can only append to the Web application’s core styles.The departmental master pages inherit from the Web application’s master page.You need to ensure that core CSS styles appear En all pages of the Web application.Which

approach should you recommend?
A.Add a master.css file containing the CSS styles to the Web application.
B.Add a Content Place Holder containing the CSS styles to the Web application's master page
C.Link from the Web application's master page to a .css file containing the CSS styles.
D.Link from the Web application's master page to a css.ascx file containing the CSS styles.
Answer: C

9.You are designing an ASP.NET Web application for content management.You have the following requirements:
• Support multiple browsers.
• Display a specific interface for browsers that have display dimensions of less than 640 x 480 pixels.You need to design a solution for identifying the display dimensions of the requesting browser.Which approach should you recommend?
A.Use CurrentUlCutture.
B.Use the HttpUtility class.
C.Use the HttpWorkerRequest class.
D.Use the HttpBrowserCapabilities class.
Answer: D

10.You are designing an ASP.NET Web application for content management.You have the following requirements:
• Support multiple languages.
• Support dynamic changes to site content.
• Provide the ability to add content to the site without making changes to files within the application directory.You need to recommend the application's source for retrieving content.Which source should you recommend?
A.a database based on CurrentUlCulture
B.a master page based on CurrentUlCutture
C.local resources based on CurrentCutture
D.global resources based on CurrentCulture
Answer: A

11.You are designing an ASP.NET Web Forms application.You have the following requirements:
• Make use of exclusive features in a newly released Web browser.
• Do not change existing code files.You need to design the application to meet the requirements.Which approach should you recommend?
A.Use a .browser file.
B.Use the Http Worker Request class.
C.Use the Web application's master page.
D.Parse the User Agent string in Page_Load.
Answer: A

12.You are designing an ASP.NET 4 Web application that will integrate third-party components.You need to minimize the security risks of using these components.Which approach should you recommend?

A.Apply role-based security with declarative checks.
B.Store the components in the global assembly cache.
C.Use the third-party components on a separate server.
D.Use an appropriately permitted App Domain for each component.
Answer: D

13.You are designing an ASP.NET Web application.You are implementing the ASP.NET membership and profile providers to do the following:
• Support retrieval of user passwords within the ASP.NET Web application
• Access profile data that is stored in two or more Microsoft SQL Server tables You need to ensure that the Web application is properly configured to interact with the providers.Which approach should you recommend?
A.Use encrypted passwords, and develop a custom profile provider.
B.Use encrypted passwords and the built-in SqlProfileProvider.
C.Use hashed passwords, and develop a custom profile provider.
D.Use hashed passwords and the built-in SqlProlileProvider.
Answer: A

14.You are designing a user input form that is part of an ASP.NET Web Forms application.You need to ensure that users cannot attack the Web server by submitting invalid data.Which approach should you recommend?
A.Install a certificate on the Web server, and force all Web traffic to use SSL.
B.Write an on Submit Java Script handler that validates all form input
C.Write an on Submit JavaScript handler that URL-encodes all data that is passed to the server.
D.Write an On Click method for the Submit button that rejects form submissions that contain invalid data
Answer: D

15.You are designing an ASP.NET MVC 2 Web application for a customer’s extranet site.You need to allow only requests that originate from the customers intranet IP address range to access the application, and you must redirect other access requests to the customers Web site.Which approach should you recommend?
A.Configure the IIS Request Filter module to filter requests.
B.Configure IIS to reject requests from outside the specified IP address range.
C.Configure the IIS URL Rewrite module to redirect requests from outside the specified IP address range to the public Web site.
D.Design the default controller and action to check the IP address and to redirect requests from outside the specified IP address range to the public Web site.
Answer: C

16.You are designing an ASP.NET Web Forms application that uses a database containing user names and hashed passwords for authentication.The Web application includes a login form in which users type their user names and passwords.You need to design a strategy to ensure that the user’s login credentials cannot be stolen through a man-in-the- middle attack.Which approach should you recommend?
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: A

17.You are implementing additional functionality within an existing ASP.NET 4 Web Forms Web site project by using ASP.NETMVC2.You need to design a Web site project configuration that supports Web Forms and ASP.NET MVC 2 in the same Microsoft Visual Studio 2010 project.Which two approaches should you recommend? (Each correct answer presents part of the solution.Choose two.)
A.Convert the Web site project to a Web application.
B.Convert the Web site project to an ASP.NET MVC 2 application.
C.Modify the T4 templates to support ASP.NET Web Forms.
D.Reference the ASP.NET MVC 2 assemblies in the application configuration file.
Answer: A, D

18.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.You need to send an alert when any application server stops responding.Which approach should you recommend?
A.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.
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.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.
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: A

19.You are designing an ASP.NET Web application that will queue e-mail messages in a database.A Windows service will process the queue and send the messages.The Web application will be hosted on a server that hosts several other applications.The server cannot support additional processors or memory.You estimate that the Web application usage will increase by 10 percent every month.You need to ensure that the delivery of high-priority messages will not be delayed as the Web application usage increases.Which two actions should you recommend? (Each correct answer presents part of the solution.Choose two.)
A.Process the high-priority messages first.
B.Use a shared memory connection to the database.

C.Modify the Windows service to handle multiple threads.
D.Run the Windows service on a server that is separate from the Web application host server.
Answer: A, D

20.You are designing a process for deploying an ASP.NET MVC 2 Web application to IIS 6.0.You need to ensure that the Web application properly handles Web requests.Which approach should you recommend?
A.Configure IIS to map all requests to aspnet_isapi.dll by using a wildcard script map.
B.Configure IIS to map all requests to aspnet_wp.exe by using a wildcard script map.
C.Modify the Web application to route all requests to an HttpHandler class.
D.Modify the Web application to route all requests to an HttpModule class.
Answer: A