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Exam : 070-519

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

Vendors : Microsoft

Version : DEMO

NO.1 You are designing an ASP.NET Web application to manage and display sensitive information stored in a Microsoft SQL Server database.

The database also provides authorization information for users.

All Web pages that display sensitive information require an authenticated login.

There is no visitor access to these pages. You have the following requirements:

- Separate authorization logic from the application.
- Prevent the application from directly accessing the database server.

You need to design a data access and authorization solution.

Which approach should you recommend?

- A. Use a WCF service.
- B. Use a separate library.
- C. Use SQL XML Services.
- D. Use stored procedures.

Answer: A

NO.2 You are designing an ASP.NET Web application.

The Web application uses a Menu control to display either a menu of public and private pages to

authorized users or a menu of only public pages to visitors.

You need to ensure that the menu options and URLs of the private pages are not available to unauthorized users.

Which approach should you recommend?

- A. Use the Page_Init method to add to the Menu control only pages that the user is authorized to view.
- B. Use the Page_Load method to add to the Menu control only pages that the user is authorized to view.
- C. Use a JavaScript window.onload event handler to hide the private pages from the list of pages shown on the menu.
- D. Use a JavaScript document.ready event handler to hide the private pages from the list of pages shown on the menu.

Answer: B

NO.3 You are designing a RESTful ASP.NET Web application.

You have the following requirements:

- Retain state between requests.

- Associate a request with a session.
- Do not require the use of cookies.

You need to ensure that your design meets the requirements.

Which approach should you recommend?

- A. Disable ViewState by using the @ Page directive.
- B. Configure the application to use cookieless session state.
- C. Configure the application to use the InProc session state mode.
- D. Register a custom PageAdapter class that provides a SessionStatePagePersister.

Answer: B

NO.4 You need to design a solution for accessing the shopping cart controls by using JavaScript.

Which configuration should you recommend?

- A. Use <%= control.ID %>.
- B. Use <%= control.ClientID %>.
- C. Use ClientIDMode="AutoID".
- D. Use ClientIDMode="Predictable".

Answer: D

NO.5 You need to design a solution for programmatically adding reusable user-interface code to views and

allowing the user-interface code to be rendered from the server side. Which approach should you recommend.

- A. Create a jQuery library plug-in.
- B. Create an HtmlHelper extension method.
- C. Create a controller that returns an ActionResult.
- D. Create a WebForm server control that stores values in ViewState.

Answer: B

NO.6 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 CurrentUICulture.
- B. Use the HttpUtility class.
- C. Use the HttpWorkerRequest class.
- D. Use the HttpBrowserCapabilities class.

Answer: D

NO.7 You need to design a solution for calling a server-side method of the code-behind file from JavaScript.

Which approach should you recommend?

- A. Use PageMethods.
- B. Use an UpdatePanel control.
- C. Use an UpdateProgress control.
- D. Configure the server-side method to return a JsonResult.

Answer: A

NO.8 You need to design a solution to ensure that data caching and session state will be maintained.

Which approach should you recommend?

- A. Use distributed caching and out-of-process session state.
- B. Use distributed caching and in-process session state.
- C. Use output caching and out-of-process session state.
- D. Use output caching and in-process session state.

Answer: A

NO.9 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 includes many interaction options and graphical buttons.
- Present a simple interface to users of mobile devices that does not include bandwidth-intensive elements.

You need to design the Web application to meet the requirements.

Which two approaches should you recommend?

(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 applications master page, test Request.Browser.MobileDeviceModel and switch to the appropriate interface.
- D. Create a System.Web.UI.Page subclass that all Web application pages inherit from. In the Page_PreInit method, test Request.Browser.IsMobileDevice and switch to the appropriate interface.

Answer: BD

NO.10 You are designing an ASP.NET Web application for online image editing. Users can upload images to the Web application and edit those images by using utilities provided by the application.

Some utilities are processor intensive and should be offloaded to a Graphics Processing Unit (GPU).

Other utilities require the use of proprietary algorithms that must be performed on the server. You need to design a solution for minimizing bandwidth usage and Web server response times during image processing, while providing a responsive application.

Which two approaches should you recommend.?

(Each correct answer presents part of the solution. Choose two.)

- A. Perform server-side image processing on the Web server.
- B. Perform server-side image processing on a dedicated server.
- C. Perform client-side image processing by using ASP.NET AJAX.
- D. Perform client-side image processing by using Microsoft Silverlight.

Answer: BD

NO.11 You are designing an ASP.NET Web application.

You have the following requirements:

- Perform rapid development.
- Maintain cross-browser compatibility.
- Do not require client-side installations.

You need to recommend a client-side technology that meets the requirements.

Which two technologies could you recommend?

(Each correct answer presents a complete solution. Choose two.)

- A. jQuery
- B. ASP.NET AJAX
- C. Microsoft Silverlight

D. Microsoft Visual Basic Scripting Edition (VBScript)

Answer: AB

NO.12 You are designing an ASP.NET Web application. You have the following requirements:

- The application must be usable in partially connected scenarios.
- Data that is entered into the application offline must be synchronized with the server the next time the application is online.

You need to design the application to meet the requirements.

What should you use?

- A. jQuery
- B. ASP.NET AJAX
- C. WCF Data Services
- D. Microsoft Silverlight

Answer: D

NO.13 You need to design a solution for implementing holiday-specific site changes.

Which approach should you recommend?

- A. Create a single master page, and change its images and styles dynamically in the code-behind file.
- B. Create one master page for each holiday. In each master page, reference the styles and images for the specific holiday.
- C. For each holiday, create a theme that contains the related images and styles. Include a skin file, and reference the images within the master page with a SkinID.
- D. For each holiday, create a theme that contains the related images and styles. Include a skin file, and reference all images within the Web application with a SkinID.

Answer: D

NO.14 You are designing an ASP.NET Web Forms application.

You expect the application to have high traffic.

You plan to use a Web farm to balance the application load across several Web servers.

You have the following requirements:

- Use round-robin load balancing.
- Do not use persistent storage for session data.

You need to ensure that your design meets the requirements.

Which configuration should you recommend?

- A. Use cookieless session state.

- B. Use the InProc session state mode.
- C. Use the SQLServer session state mode.
- D. Use the StateServer session state mode.

Answer: B

NO.15 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 in 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 ContentPlaceHolder 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