Exam Questions 70-300

MCSD .NET Analyzing Requirements and Defining Microsoft .NET Solution Architectures

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1. You need to deploy the interface for the order fulfillment application. This interface must be available to the e-commerce application. What should you do?

A. Provide a Web Services Description Language (WSDL) document for the interface.
B. Register the interface in a UDDI directory.
C. Provide an interface definition language (IDL) file for the interface.
D. Define the XML schema that will be used to communicate with the e-commerce application.
E. Provide a parameter list for a Microsoft SQL Server stored procedure.

Answer: A

2. Your development team proposes four different logical designs for the solution, as shown in the exhibit. Which design should you use?

A. Diagram A
B. Diagram B
C. Diagram C
D. Diagram D

Answer: B

3. You need to recommend one or more new development tools for your developers. Currently, your developers have Microsoft Visual Studio .NET installed on their computers. Which additional software product or products should you recommend? (Choose all that apply.)

A. Microsoft BizTalk Server
B. Microsoft Visual SourceSafe
C. Microsoft SharePoint Portal Server
D. Microsoft SQL Server 2000

Answer: B

4. Which solution concept should you recommend for the Baldwin Museum of Science?

A. thick client application
B. console application
C. Web application
D. n-tier application
5. You are designing a common interface for launching your exploration applications. What should you do?

A. Create a multiple-document interface (MDI) application. List the available exploration activities on the View menu. Launch each application in a separate MDI window.
B. Create a single-document interface (SDI) application. List the available exploration activities on the View menu. Switch applications within the SDI window.
C. Create an application that displays a graphical image of each exploration activity in the application window. When the user clicks an image, launch the appropriate application.
D. Create shortcuts for each exploration activity. Place the shortcuts on the desktop. When the user clicks a shortcut, launch the appropriate application.

Answer: C

6. You need to provide user assistance for your exploration applications. What should you do?

A. Add an interactive animated character that talks to the user
B. Add context-sensitive help to all screen elements.
C. Add pop-up text for all screen elements.
D. Create a streaming media tutorial for each application.

Answer: A

7. You are designing the methodology for installing and upgrading your exploration applications and their shared assemblies. Your methodology should support new applications and updates to existing applications. It should require the minimum of administrative effort. Which two strategies should you use? (Each correct answer presents part of the solution. Choose two.)

A. Instal each application in a separate application directory.
B. Install the shared modules in the \bin directory of each application.
C. Install each application in the application \bin directory of Inetpub\wmvroot.
D. Install all applications in the same directory as the navigation application.
E. Install the shared modules in the global assembly cache (GAC).

Answer: A,E

8. You are assessing the impact of your solution on the existing IT environment. You decide that the environment needs to be modified. What should you do?

A. Increase bandwidth between the museum branches.
B. Add more space to the hard disks of the servers.
C. Upgrade the kiosk computers to Microsoft Windows XP Professional.
D. Upgrade Internet Explorer to version 6.0.

Answer: A

9. You are designing an assembly to monitor the usage of your exploration applications. Reports that describe usage will be generated at the main branch of the museum. You need to select a strategy for logging the appropriate information. What should you do?

A. Use the System.Diagnostics.Debug.WriteLine to write an entry each time an application is started.
B. Add a TextWriterTraceListener to the Listeners collection to write an entry each time an application is started.
C. Use the System.Diagnostics.TraceSwitch to write an entry each time an application is started.
D. Create a System.Diagnostics.EventLog to write an entry each time an application is started.

Answer: B

10. You are listing the requirements for the Baldwin Museum of Science. Which requirement or requirements should you include? (Choose all that apply.)

A. performance
B. maintainability
C. ease of use
D. extensibility
Answer: A,B,C,D

11. The navigation application will be used to access all of your exploration applications. You are creating a conceptual model for this application. Which object or objects should you model? (Choose all that apply.)
A. main screen
B. title bar
C. animated assistant
D. logon manager
Answer: A,C

12. (Topic 3)
Simple logical errors often occur in your daily builds. You need to recommend improvements in the build process. Which action or actions should you recommend? (Choose all that apply.)
A. Developers must create and perform unit tests.
B. Developers must write comments for classes, methods, and properties
C. All errors must be logged in an error-tracking application.
D. Developers must instrument code before checking it in.
E. Quality assurance testing must be performed on all assemblies.
Answer: A,C,E

13. You are creating the conceptual design for your solution. Which entity or entities should you include? (Choose all that apply.)
A. billing schedule
B. bank
C. meter reader
D. credit card
E. customer
Answer: B,D,E

14. You need to create the physical design for the authentication mechanism in the bill presentment module. What should you do?
A. Include a GenericPrincipal parameter in every Web method.
B. Include a WindowsPrincipal parameter in every Web method.
C. Create a single authentication service that has authentication parameters
D. Pass authorization credentials in SOAP headers.
Answer: D

15. Which solution concept should you recommend for bill presentment?
A. Each bank has an XML Web service for submitting bill presentment data.
B. Banks provide customer billing data to an XML Web service.
C. Banks communicate with an XML Web service to access customer billing data
D. Each bank has an XML Web service for receiving bill presentment data.
Answer: C

16. You are validating the logical data model for your solution. Which attribute or attributes should be included in the Customer entity? (Choose all that apply.)
A. Credit Card Number
B. Customer Identifier
Answer: B
C. Bank Identifier
D. Password
E. Bill Identifier

Answer: B,C,D
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