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Total No of Questions:-84

Question: 1

You are an enterprise application developer at Company.com. You create a three-tier Web-based application that accesses 10 external Web services to retrieve currency rates. You need to calculate product prices in ten currencies. A smart client invoicing application accesses the business tier to retrieve and use the product prices in 10 currencies. The business tier calls the 10 external Web services. You create a separate service agent component to encapsulate the logic of which Web service to call. This component also makes it easier to change the Web references when required. Your team plans to deploy this service agent in the Web presentation tier. You need to evaluate whether your team's deployment plan meets the requirements and recommend accordingly.

What should you conclude?

- A. The current deployment plan meets the requirements.
- B. The current deployment plan does not meet the requirements. The service agent must be deployed in the business tier as well as the Web presentation tier.
- C. The current deployment plan does not meet the requirements. The service agent must be deployed in the business tier.
- D. The current deployment plan does not meet the requirements. The service agent must be deployed in the Web presentation tier as well as the smart client applications.

Answer:

Question: 2

You are an enterprise application developer at Company.com. An intermediate level programmer is preparing the request to place your distributed application into the production environment. According to corporate IT policies, you must specify the production server and network requirements to the production support personnel to review the application. Your application is a mission critical system. You are using three Microsoft Windows Server 2003 application servers that are clustered by using Microsoft Windows Network Load Balancing. The three application servers have the following network configuration: Company1

- IP Address: 172.30.103.40
- Subnet Mask: 255.255.255.0
- Default Gateway: 172.30.103.1

Company2

- IP Address: 172.30.102.41
- Subnet Mask: 255.255.255.0
- Default Gateway: 172.30.102.1

Company3

- IP Address: 172.30.102.42
- Subnet Mask: 255.255.255.0
- Default Gateway: 172.30.102.1

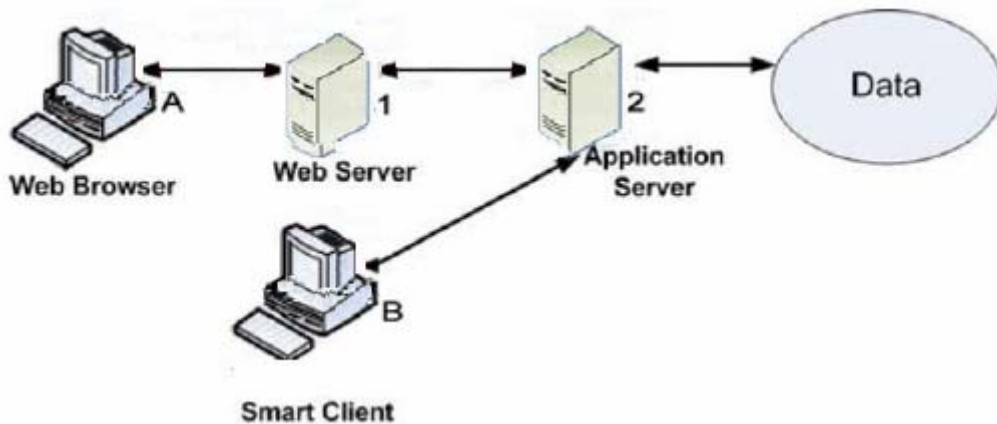
You need to validate the network settings for the three application servers, making corrections if necessary. What should you conclude?

- A. The network settings are correct.
- B. The network settings are incorrect. Company1 must have an IP Address of 172.30.103.40 and a Default Gateway of 172.30.102.1.
- C. The network settings are incorrect. Company1 must have an IP Address of 172.30.102.41 and a Default Gateway of 172.30.102.1.
- D. The network settings are incorrect. Company1 must have an IP Address of 172.30.102.40 and a Default Gateway of 172.30.102.1.

Answer: Pending. Send your suggestions at support@Testkingonline.com

Question: 3

You are an enterprise application developer at Company.com. You create a layered enterprise application that consists of a user interface layer, a business layer, and a data layer. The user interface layer is currently implemented as a smart client. End users now also need to access the enterprise application over the Web. To permit this, you create a Web client application. You also create a user interface process layer as a separate assembly. This assembly encapsulates the validation rules that apply to the end user interaction with the system. In the new version of the application, all user interfaces will use the new user interface process layer. The implementation of the new version of the application is as shown in the following diagram. (Click the Exhibit button.) Your team plans to deploy the user interface process assembly on the Web server. You need to evaluate whether the deployment plan fulfills the requirements and recommend change, if required. What should you conclude?



- A. The deployment plan fulfills the requirements.
- B. The deployment plan does not fulfill the requirements. You must install the user interface process assembly in the application server.
- C. The deployment plan does not fulfill the requirements. You must install the user interface process assembly in the smart client applications.
- D. The deployment plan does not fulfill the requirements. You must install the user interface process assembly in the Web server as well as in the smart client applications.

Answer: Pending. Send your suggestions at support@Testkingonline.com

Question: 4

You are an enterprise application developer at Company.com. Your company has a Web-based application that runs on a single Web server. Session information is currently being stored by using the default session mode. You are redesigning the application to run in a Web farm. You must ensure that the failure of any single server does not make session information unavailable.

A developer in your team recommends using the default session mode on each server in the Web farm. You need to evaluate this recommendation. What should you conclude?

- A. The recommended solution meets the requirements.
- B. The recommended solution does not meet the requirements. Store the session information in a separate state process on each Web server in the Web farm.
- C. The recommended solution does not meet the requirements. Store the session information in a separate state process on a dedicated session state server.
- D. The recommended solution does not meet the requirements. Store the session information in a Microsoft SQL Server failover cluster.

Answer:

Question: 5

You are an enterprise application developer at Company.com. You are creating a three-tier application. The business layer contains 10 business functions. These business functions write messages to message queues and update records in a Microsoft SQL Server database. You need to identify the transaction mechanism for these business functions to group both the activities together as one atomic transaction unit. Which transaction mechanism should you choose?

- A. ADO.NET transaction.
- B. T-SQL transaction.
- C. COM+ transaction.
- D. ASP.NET transaction.

Answer:

Question: 6

You are an enterprise application developer at Company.com. You are creating an application for the sales department. Users in the sales department are occasionally connected to the network. Users enter orders through a smart client interface. The orders are sent to a business component that is installed on an application server. The business component updates the orders. You need to ensure that the orders are reliably delivered to the server. Which technology should you choose?

- A. .NET Remoting.
- B. Web services.
- C. Message Queuing.
- D. DCOM.

Answer:

Question: 7

You are an enterprise application developer at Company.com. You are creating an application. The application uses different database products for different customers. You need to ensure maximum reuse of the code that is available in the different layers of the application. You also need to ensure that the application uses the unique features of each database product. Which layer should you create for each database product?

- A. Business layer
- B. Data access layer
- C. Business process layer
- D. Service layer

Answer:

Question: 8

You are an enterprise application developer at Company.com. You are evaluating a database design for a human resource application. The existing database schema meets the following criteria:

- The database has an Employee table.
- The Employee table has an Employee ID field and several other fields.

You must accommodate the following new requirements:

- Employees are either supervisors or line workers.
- A supervisor will supervise zero or more line workers.
- An employee will be supervised by only one supervisor.

A database administrator suggests creating a table named Supervisor and copying the supervisor data from the Employee table to the new table. The database administrator also wants to create a

foreign key in the Supervisor table to reference the Employee table. You need to evaluate the suggested change to ensure that there is minimal impact on the existing database schema. What should you conclude?

- A. The suggested schema change will meet the requirements.
- B. The suggested schema change will not meet the requirements. Recommend creating a table named Supervisor and copying the supervisor data from the Employee table to the new table. Create a foreign key in the Employee table to reference the Supervisor table.
- C. The suggested schema change will not meet the requirements. Recommend creating a column named SupervisorID in the Employee table to reference the supervisor for an employee. Create a foreign key between this column and the Employee table.
- D. The suggested schema change will not meet the requirements. Recommend creating a column named LineWorkerID in the Employee table to reference the line worker for a supervisor. Create a foreign key between this column and the Employee table.

Answer:

Question: 9

You are an enterprise application developer at Company.com. Your company operates a Microsoft Windows-based client application. The application is deployed to 50 client computers on the network. The application uses a separate class library as a data access layer. The data access layer is currently deployed to the application folder of the client application. It is time consuming to deploy new versions of the data access layer. You need to evaluate the current physical design of the application and recommend changes to speed up deployment of new versions of the data access layer. What should you recommend?

- A. Deploy the data access layer component to the global assembly cache of a server on the network.
- B. Deploy the data access layer component to the Windows system folder. Use a <codeBase> tag in the Windows-based client application configuration file to point to the deployed library.
- C. Deploy a copy of the data access layer component to the global assembly cache along with each instance of the Windows-based client application.
- D. Deploy the data access layer component to a server on the network. Use a <codeBase> tag in The Windows-based client application configuration file to point to the deployed library.

Answer: Pending. Send your suggestions at support@Testkingonline.com

Question: 10

You are an enterprise application developer at Company.com. You are designing a Web-based application to maintain appointment details. You consider implementing the following steps to delete an appointment:

- Enter a data range or a client ID, or enter a data range and a client ID to get a list of appointments.
- Click the Appointment hyperlink. The appointment details are retrieved and displayed.
- Click the Delete button.

You need to analyze the requirements and recommend stored procedures. Which three stored procedures should you recommend? (Each correct answer presents part of the solution. Choose three.)

- A. Search for appointments by using client ID.
- B. Search for appointments by using date range.
- C. Search for appointments by using client ID and data range.
- D. Verify if an appointment exists.
- E. Retrieve an appointment.
- F. Retrieve and delete an appointment.
- G. Delete an appointment.

Answer: Pending. Send your suggestions at support@Testkingonline.com

Question: 11

You are an enterprise application developer at Company.com. You create an application that consists of a Microsoft Windows service. Your Quality Analysis team finds and reports bugs that occur in the service application. You need to debug your Windows service code to fix the bugs. What should you do?

- A. Set breakpoints and execute the Windows service application code from Microsoft Visual Studio 2005.
- B. Install the Windows service and attach the debugger to the service from Microsoft Visual Studio 2005. Set breakpoints and execute the Windows service from the Service Control Manager.
- C. Install the Windows service and attach the debugger to the service from Microsoft Visual Studio 2005. Set breakpoints and execute the Windows service from Microsoft Visual Studio 2005.
- D. Install the Windows service. Set breakpoints and execute the Windows service from the Service Control Manager.

Answer:

Question: 12

You are an enterprise application developer at Company.com. You are testing authentication in a Microsoft Windows-based application. After the user enters the user name and password in the logon form of the user interface component, the following responses are triggered:

- The user interface component passed the user name and password to a utility component that performs the encryption.
- The user interface component then passed the encrypted user name and password to a Web service.
- The Web service invokes a business component and passed the encrypted user name and password.
- The business component passed the encrypted user name and password to a data access layer component that validates the user. You need to identify the component on which the business component depends. Which component should you choose?

- A. Utility component
- B. User interface component
- C. Data access layer component
- D. Web service component

Answer: Pending. Send your suggestions at support@Testkingonline.com

Question: 13

You are an enterprise application developer at Company.com. You create a Microsoft Windows client application that communicates with a business layer component. The business layer component contains the following class, named Utility. public class Utility {

```
public Utility() {  
}  
public void ChangeData() {  
}}}
```

The application must fulfill the following criteria:

- Instances of the Utility class must be created only within the business component.
 - The Windows client application must be able to invoke the functions inside the Utility class.
- You review the code for the Utility class and decide it requires modification. You need to recommend modifications for the code. What should you recommend?**

- A. Change the scope of the constructor to private.
- B. Change the scope of the constructor to internal.
- C. Change the scope of the Utility class to private.
- D. Change the scope of the Utility class to internal.

Answer:

Question: 14

You are an enterprise application developer at Company.com. You are designing unit tests for a Customer class. The Customer class contains properties to get or set data in private fields. The Customer class also contains one default constructor and one non-default constructor. The nondefault constructor accepts a Customer ID argument. When the non-default constructor is used to instantiate the Customer object, a public method named Load is invoked along with the Customer ID argument. The Customer object properties are then loaded by using values from the database. You need to design unit tests that will test the class properties. Which three test scenarios should you recommend? (Each correct answer presents part of the solution. Choose three.)

- A. Use the non-default constructor. Examine whether the properties return the correct values from the database.
- B. Use the default constructor. Examine whether the properties return the correct values from the database.
- C. Use the non-default constructor and examine whether the properties are empty.
- D. Use the default constructor along with the Load method. Examine whether the properties return the correct values from the database.
- E. Use the default constructor. Examine whether the properties of the default constructor are equal to those of a second instance of the Customer class instantiated by using the non-default constructor.
- F. Use the default constructor. Assign values to the properties of the object. Examine whether the Properties return values assigned to them.

Answer:

Question: 15

You are an enterprise application developer at Company.com. You create a routing application that ascertains the best routers for shipment of containers.

The application contains a complex routing method that examines the following parameters.

- The weight of the containers
- The length of the trailer that hauls the containers
- Road constraints such as weight limits and bridge heights

The method returns a list of roads to use. You need to design a unit test to ensure that the routes returned do not violate any known constraints. Which test should you perform?

- A. Test whether the road weight limits are adhered to.
- B. Test whether the origin and destination passed into the method are the same as in the results.
- C. Perform exception testing to verify whether the method rejects invalid origins and destinations.
- D. Test whether all route options are evaluated during analysis.

Answer:

Question: 16

You are an enterprise application developer at Company.com. You are creating a sales application. You make several changes to a commission object within the sales application. The commission object calculates the monthly sales commissions for the sales force of the company.

The sales commissions are calculated based on the following criteria:

- The commission object receives the following parameters:
 - o The ID of the sales person
 - o The monthly gross sales of the sales person
- The commission object calls the data access layer to execute three stored procedures.
- The commission object calculates the commission by performing operations on the output of the Stored procedures. You need to write a unit test for the commission object. Which action should you recommend?

- A. Write a test method that instantiates the commission object, passed the ID of the sales person and gross sales as parameters, and verifies the calculations for commission percentage and commission owed.
- B. Write code to call each of the three stored procedures and to verify that they return the correct commission rates.
- C. Test the commission object against an extremely high threshold of connections and executions.
- D. Write additional code to test operability of the commission object against the data access layer that executes the stored procedures.

Answer:

Question: 17

You are enterprise applicatio developer. You are performing a peer code review for an entry-level developer. The developer is implementing server-side business objects. The business objects must be accessed and activated by using remoting. In addition, the business objects must meet the following requirements:

- Implement an interface for client-side access.
- Inherit from a base business object class.

The developer writes the following code segment. `public class UserObject : BaseBizObject, MarshalByRefObject, IUserObject {
}`

when the developer attempts to compile the code, an error message is received.

You need to review the code and recommend a solution.

What should you recommend?

- A. The class must derive from the MarshalByRefObject class. The UserObject class can access methods in the BaseBizObject class by creating an instance of the BaseBizObject class.
- B. The class must derive from the BaseBizObject class. The BaseBizObject class must derive from the MarshalByRefObject class.
- C. Change the approach so that the client computer accesses a wrapper class that derives from The MarshalByRefObject class.
- D. The class must derive from the MarshalByValue class instead of the MarshalByRefObject class.

Answer:

Question: 18

You are an enterprise application developer at Company.com. You create a Web-based application and deploy it to your customers. The application requires the users to log on to use the application. The application does not permit impersonation. The application also requires the users to connect to the database and to a folder in the Web server. Your customers report a security bug. The bug denies access to the logged-on users every time they try to upload a file to the folder in the Web server. Your customers provide you with the following data to reproduce the bug:

- The version of the Web-based application
- The users steps in the Web-based application
- The version of the operating system

**You find that the information is insufficient to reproduce the bug.
You need to identify the additional information that is required to reproduce the bug.
Which two additional data should you use? (Each correct answer presents part of the solution.
Choose two.)**

- A. Security settings for the folder on the Web server
- B. Security settings for the logged-on user
- C. Security settings for the ASP.NET process account
- D. the file for upload
- E. Security settings for the file for upload

Answer:

Question: 19

You are an enterprise application developer at Company.com. You create a component that uses Unmanaged resources. You need to ensure that the component permits client developers to release the unmanaged resources as soon as they are no longer needed. You also need to guarantee that unmanaged resources are always released, even if a client developer fails to release them. Which two actions should you perform? (Each correct answer presents part of the solution. Choose two.)

- A. Implement a Dispose method. Call the GC.Collect method from inside the Dispose method.
- B. Implement a Dispose method. Release the unmanaged resource from inside the Dispose method.
- C. Override the Object.Finalize method. Call the Object.Finalize method from inside the finalizer of your component.
- D. Override the Object.Finalize method. Call the Dispose method from inside the finalizer of your component.

Answer: Pending. Send your suggestions at support@Testkingonline.com

Question: 20

You are an enterprise application developer at Company.com. You create a Web application to call the Web services of different trucking companies. The application retrieves transit times for different routes. You create Web service proxy classes by using the Wsdl.exe utility. You need to call different Web services concurrently. You also need to ensure that the application can continue performing other tasks while the Web services are being called. You need to achieve this by using the least amount of code possible. What should you do?

- A. Use the Thread class.
- B. Use the AsyncCallback class and the IAsyncResult interface.
- C. Use the Application.DoEvents method.
- D. Use the ThreadPool class.

Answer: Pending. Send your suggestions at support@Testkingonline.com

Question: 21

You are an enterprise application developer at Company.com. You are creating a component that Encapsulates database access to an employee table. The component contains a method that retrieves an employee record by using a string input parameter. You need to respond to error conditions in a way that meets the following requirements.

- If the caller passes a variable that fails to reference a string object, the caller receives an error notice.**
- If the caller fails to respond to the error notice, the error condition forcefully alters the flow of execution. What should you do?**

- A. Invoke the Interrupt method of the current thread.
- B. Return a Boolean value of False from the method.
- C. Raise a ValidationError event.
- D. Throw an ArgumentNullException exception.

Answer: Pending. Send your suggestions at support@Testkingonline.com

Question: 22

You are an enterprise application developer at Company.com. You create a component that exposes a static method. The static method performs a complex business algorithm and the method must support concurrent callers. You use asynchronous processing to implement the method. You need to ensure that the client application is notified about the completion of the method. What should you do?

- A. Add a public static event to the component and raise the event when processing is complete.
- B. Pass a callback delegate from the client application as a parameter to the processing method. Invoke the delegate when processing is complete.
- C. Add a public static property to the component and permit the client application to poll the component for completion.
- D. Add a constructor that accepts a callback delegate as parameter from the client application. Invoke the delegate when processing is complete.

Answer:

Question: 23

You are an enterprise application developer at Company.com. You are creating a medical application that permits surgeons to review previous recordings of surgeries. The application must meet the following requirements:

- Surgeons must be able to view several videos concurrently.
 - Users send only necessary portions of the files across the network.
 - Transmission of videos to the application might be interrupted.
 - Videos must play instantly.
 - Users must be able to fast-forward, reverse, pause, and stop the video.
- You need to ensure the application meets these requirements. Which two actions should you perform? (Each correct answer presents part of the solution. Choose two.)**

- A. Reduce the number of concurrent videos to one.
- B. Encode the video files into the appropriate format.
- C. Begin downloading the files that are part of the search results in case the user picks one of the files.
- D. Create a schedule in the application that only permits large files to be downloaded during non-peak hours.
- E. Handle exceptions if the video data is interrupted.

Answer:

Question: 24

You are an enterprise application developer at Company.com. You are creating a component that Stores employee details in a Microsoft SQL Server database. The component is implemented as a class. The class includes the public properties ID and Name. The class does not contain static methods. Both the ID field and the Name field are required in the Employee table of the database. Serialized instances of the class can be returned by XML Web services. You need to ensure that the class supports XML serialization. You also need to minimize the possibility of a developer creating a class instance by using partial data. Which approach should you choose?

- A. Provide a single constructor that requires both Name and ID parameters.

- B. Provide a default constructor and a constructor that requires both Name and ID parameters.
- C. Provide a default constructor, a constructor that requires an ID parameter, and a constructor that requires a Name parameter.
- D. Provide a static constructor without any parameter and a constructor that requires both Name and ID parameters.

Answer: Pending. Send your suggestions at support@Testkingonline.com

Question: 25

You are an enterprise application developer at Company.com. You are creating a component for a distributed application for your company. The application manages the users access to sensitive company data. The company data is stored in an NTFS file system. Each file has permissions defined for domain users in an access control list (ACL). The application must meet the following requirements in the same order of priority:

- Secure access to sensitive information based on the users credentials.**
- Log authorization failures.**

You need to use an appropriate authorization mechanism for the application. You need to achieve this by using the least amount of development effort. What should you do?

- A. Access files by using impersonation and the WindowsIdentity class.
- B. Access files after comparing roles by using the WindowsIdentity class and the FileSecurity class.
- C. Access files from a COM+ server package that is configured to run as the interactive user.
- D. Host the component in an IIS server and specify authorization rules in a Web.config file.

Answer: Pending. Send your suggestions at support@Testkingonline.com

Question: 26

You are an enterprise application developer at Company.com. You are creating a component to Process geospatial data. The component retrieves large sets of data from a Microsoft SQL Server database. Each data point consists of two decimal values: one value represents longitude and the either value represents latitude. You need to design a data format that minimizes the managed heap memory allocation needed for each data point within the component. What should you do?

- A. Design a custom class that contains private fields for the longitude and the latitude, and design read-only public properties for the longitude and the latitude.
- B. Design an XML element that contains an attribute for each longitude value and each latitude value.
- C. Design an ADO.NET DataRow class that contains DataColumnns for the longitude and latitude values.
- D. Design a custom Struct that contains a public field for the longitude value and a public field for the latitude value.

Answer: Pending. Send your suggestions at support@Testkingonline.com

Question: 27

You are enterprise application developer. You are designing a data access component to meet the following criteria:

- The data access component provides data to several business components.**
- The data access component contains methods that retrieves data.**
- The methods retrieve data from a Microsoft SQL Server database.**
- The data is modified infrequently.**

You need to ensure that the data access component provides current data to the business components. You also need to minimize the number of requests sent to the SQL Server database for this data. What should you do?

- A. Ensure that the data retrieval methods use SQLDependency objects.
- B. Ensure that the data retrieval methods use DataAdapter objects that have Batch Updates enabled.
- C. Ensure that the data retrieval methods are explicitly enlisted in distributed transactions.
- D. Ensure that the data retrieval methods use asynchronous methods of the SqlCommand class.

Answer:

Question: 28

You are an enterprise application developer at Company.com. You are creating a financial application that includes a data access component. This component executes queries against a Microsoft SQL Server database. Application performance deteriorates as the volume of data in the database increases. You need to identify which database queries require the greatest time to execute. You need to minimize the impact an application performance while gathering this information. Which action should you recommend?

- A. Use common language runtime (CLR) Profiler to examine the runtime performance of the methods that execute the database queries.
- B. Use Ildasm.exe to examine the disassembled code of the methods that execute the database Queries.
- C. Create and run a SQL Profiler trace to analyze the database queries.
- D. Use static analysis to examine the source code of the methods that execute the database queries.

Answer:

Question: 29

You are an enterprise application developer at Company.com. You are creating a .NET Remoting component. The Version 1.0 of the component is deployed as a well-known server-activated object. The strong-named component is installed into the global assembly cache. Ten distributed application in you company utilize the component, and each application has an independent schedule for upgrades and deployment. You add new features to the component. These additions will change the signatures of the public methods on the component. You need to devise a deployment strategy for the component. What should you do?

- A. Deploy the component in place of the existing well-known object.
- B. Deploy the component as a well-known object.
- C. Increment the version number of the component assembly. Deploy the component in place of the existing well-known object.
- D. Increment the version number of the component assembly. Deploy the component as a new well-known object.

Answer: Pending. Send your suggestions at support@Testkingonline.com

Question: 30

You are an enterprise application developer at Company.com. You are creating an ASP.NET ecommerce

Web site. Shoppers are able to browse products anonymously and page output caching is enabled. You are adding monitoring features to the Web site. You must track the following information:

- Products that are being browsed
- Promotions that are being clicked on
- Shoppers who want to sign out
- Shoppers who have completed more than one purchase

The monitoring features are in the form of performance counters. You need to ensure that the monitoring features meet the requirements. Which two actions should you perform? (Each correct

answer presents part of the solutions. Choose two.)

- A. Monitor products and promotions in the presentation tier.
- B. Monitor products and promotions in the middle tier.
- C. Monitor products and promotions in stored procedures.
- D. Monitor sign-outs and purchases in the presentation tier.
- E. Monitor sign-outs and purchases in the middle tier.
- F. Monitor sign-outs and purchases in stored procedures.

Answer: Pending. Send your suggestions at support@Testkingonline.com

Question: 31

You are an enterprise application developer at Company.com. You are developing several Web services that are accessed by smart client applications. The Web services might be installed on different Web servers. The smart client applications must authenticate users by using credentials issued by a single sign-on service. The sign-on service was develop by a different group in you organization. The security policy of the application includes the following requirements:

- User identity must be transmitted across application boundaries.**
- User identity must be logged for auditing purposes.**

You need to choose a strategy to propagate user information securely across the application boundaries. What should you choose?

- A. Use remote method calls to pass user information between applications that use function parameters.
- B. Install business components in Enterprise Services and use Kerberos tickets to authenticate users.
- C. Use SOAP headers to pass user identity across application assemblies and log authentication information at each boundary.
- D. Use NTLM tokens to authenticate users and trusted Microsoft Windows Domains.

Answer: Pending. Send your suggestions at support@Testkingonline.com

Question: 32

You are an enterprise application developer at Company.com. You create 10 applications. Your company's application server will host the applications. You are responsible for designing a monitoring solution for the applications. Your monitoring solution must meet the following criteria:

- The solution must be reusable.**
- The solution must aggregate all data into one display.**

You need to design a solution to meet the requirements. What should you do?

- A. Add performance counters and Microsoft Windows Management Instrumentation (WMI) events to each application. View the counter data in the Performance Monitor and develop a custom application to view the WMI data.
- B. Write data access code in each application to update a database table. Write an ASP.NET application to display the aggregated data.
- C. Develop a custom monitoring objet. Use the object in each application. Aggregate the information from the custom object into a report and publish it to a Web server every hour.
- D. Write a Web service to store the monitored information. Write one Web method per application to retrieve the monitored data. Call the Web service from each application.

Answer: Pending. Send your suggestions at support@Testkingonline.com

Question: 33

You are an enterprise application developer at Company.com. You create a Microsoft Windows Client application that consumes a third-party Web service. The Web service is secure and

requires user credentials to be passed through SOAP headers. The Web service is currently in its beta. The URL of the Web service will change after it goes live. The beta Web service will be available after the Web service goes live. You need to ensure that the Windows application can switch between the beta version and the live version of the Web service, if required. You need to achieve this goal by using the least maintenance and coding effort. What should you do?

- A. Save the URL in the code. Change and recompile the Windows application after switching between the beta and the live versions.
- B. Save the URL in the Windows application configuration file. Update the Web service proxy class.
- C. Save the URL in a resource file. Update the Web service proxy class.
- D. Add a discovery document to the Web service.

Answer: Pending. Send your suggestions at support@Testkingonline.com

Question: 34

You are an enterprise application developer at Company.com. You are designing an application that manages names and descriptions for your company's products. To manipulate these items, the application requires the object that holds the strings to meet the following criteria:

- Be dynamically resizable.
- Be able to store duplicate entries.
- Expose methods to find all instances of the same text. You need to recommend an appropriate container for the strings. What should you recommend?

- A. an ArrayList class
- B. a StringCollection class
- C. a Hashtable class
- D. a DataTable class

Answer: Pending. Send your suggestions at support@Testkingonline.com

Question: 35

You are an enterprise application developer at Company.com. You create a Web-based application that manages financial transactions for an online investment company. The company requires to meet the following processes:

- Log all customer actions.
- Log all application execution failures.

The company security policy permits audit events to be logged. The security policy requires that there must be only one local administrator on the Web server. The policy also requires that all code must be run with the least possible privileges. The company uses Microsoft Windows Event Log as the repository for all event information. You need to recommend an appropriate solution to meet the company's requirements. You also need to ensure that you adhere to the company security policy. What should you recommend?

- A. Create a custom event log for the application. Grant write security permissions on that log to the ASP.NET user account.
- B. Route log information to a serviced component that impersonates an administrator.
- C. Call a Web service that runs with default privileges and writes to Windows Event Log.
- D. Log events to text files and import the event logs into Windows Event Log.

Answer: Pending. Send your suggestions at support@Testkingonline.com

Question: 36

You are an enterprise application developer at Company.com. You are creating a distributed application that requires asynchronous communication between the UI layer and the business layer. The application must ensure reliable delivery of messages between the components. There are no restrictions on the format. Messages are limited to 4 MB in size. For scalability reasons, you create the business logic components as serviced components. You need to choose the most appropriate component implementation for your business logic components. You want to achieve this goal by using the least development effort. Which implementation approach should you choose?

- A. Queued components
- B. Message Queuing triggers
- C. XML Web services
- D. Custom receivers

Answer: Pending. Send your suggestions at support@Testkingonline.com

Question: 37

You are an enterprise application developer at Company.com. You are designing monitoring features for an ASP.NET Web-based application. The monitoring features must meet the following requirements:

- Log events to a data source for later review.
- Read configuration settings from the Web.config file.
- Monitor the application after deployment to production. You decide to use a monitoring feature built into Microsoft . You need to choose an appropriate monitoring feature.

Which monitoring feature should you use?

- A. Use Windows Management Instrumentation (WMI) events.
- B. Use the System.Diagnostics.Trace class.
- C. Use Performance Counters.
- D. Use the System.Web.TraceContext class.

Answer: Pending. Send your suggestions at support@Testkingonline.com

Question: 38

You are an enterprise application developer at Company.com. You are creating a Microsoft Windows-based client application that manages investment portfolios and permits users to monitor stock market data. The application must meet the following requirements:

- It must provide asynchronous processing of transactions.
- It must prevent pending transactions from blocking new transactions.
- It must execute transactions immediately.

You need to use an appropriate component implementation approach to meet the requirements. What should you do?

- A. Use the ServiceController component.
- B. Use the Timer component.
- C. Use the BackgroundWorker component.
- D. Use the PerformanceCounter component.

Answer: Pending. Send your suggestions at support@Testkingonline.com

Question: 39

You are an enterprise application developer at Company.com. You create a Microsoft Windows-Based application for a high-volume call center. The Windows-based application performs the following tasks:

- The application manages incoming customer calls and requests.
- The application delivers event information to a company server that consolidates the cal

statistics into reports. Your design team recommends an event logging solution for the application

to meet the following requirements:

- Minimize customer wait times and increase the number of calls that are handled during the workdays.
- Record and log all user activity for historical reporting and auditing.
- Reliably deliver all event information to a central server.
- Consolidate all event information on a central server.

You need to identify a delivery mechanism and a data storage solution for event information. Which option should you choose?

- A. Message Queuing and Microsoft SQL Server
- B. Web services and Microsoft SQL Server
- C. E-mail and Microsoft Exchange Server
- D. EventLog component and Microsoft Windows Server

Answer:

Question: 40

You are an enterprise applications developer. You create a Web-based application. When the application executes, it creates large XML documents in memory. The end users report that the application performs slowly when manipulating large XML documents. You need to analyze the cause of the problem. What should you do?

- A. Use a single performance counter that monitors the number of memory/pages per second.
- B. Create a custom performance counter that monitors the number of XML documents pulated per second. Use the custom performance counter and a performance counter that tors the number of memory/pages per second.
- C. Create a custom event log to monitor the number of memory/pages per second.
- D. Create a custom event log to monitor the following: the number of memory/pages per second and the number of XML documents manipulated per second.

Answer: Pending. Send your suggestions at support@Testkingonline.com

Question: 41

You are an enterprise application designer at Company.com. You are designing a three-tier Enterprise application. The application currently consists of a business layer and a data layer. The application must perform the following tasks:

- Support a smart client interface and a Web client interface.
- Achieve maximum reuse between the smart client interface and the Web client interface.
- Reduce code duplication.

The systems analyst recommends adding a UI layer to perform the required tasks. You need to evaluate this recommendation. What should you conclude?

- A. Adding a UI layer will meet the requirements.
- B. Adding a UI layer will not meet the requirements. Recommend adding a UI process layer.
- C. Adding a UI layer will not meet the requirements. Recommend adding a service layer.
- D. Adding a UI layer will not meet the requirements. Recommend adding a business workflow layer.

Answer:

Question: 42

You are an enterprise application developer at Company.com. You are creating a human resource application. You identify the following relationships between the business objects: A manager is an employee. An executive is an employee. An employee works for a company. You need to translate only these relationships into a class diagram. Which diagram should you

choose?

Diagram #1

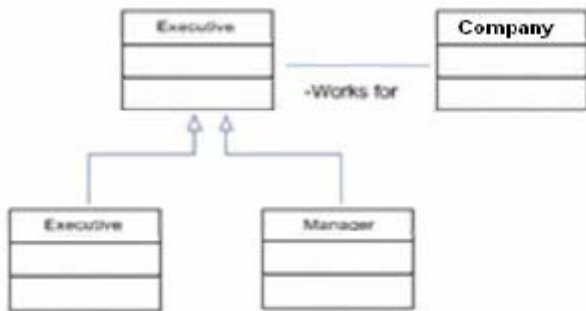


Diagram #2

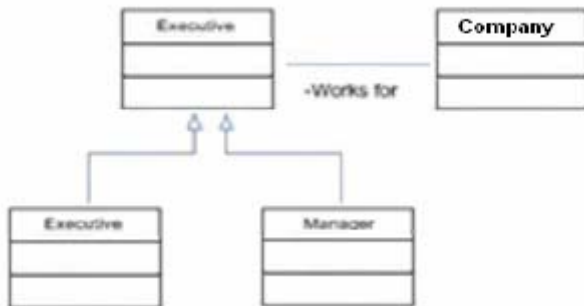


Diagram #3

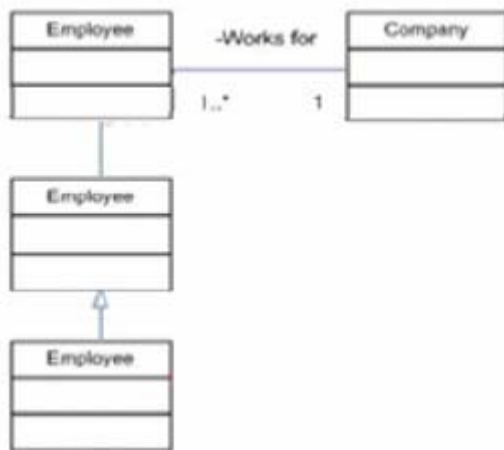
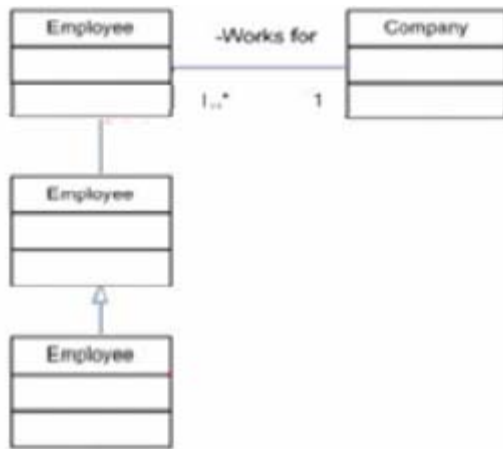


Diagram #4



- A. Diagram #1
- B. Diagram #2
- C. Diagram #3
- D. Diagram #4

Answer: Pending. Send your suggestions at support@Testkingonline.com

Question: 43

You are an enterprise application developer at Company.com. You create an order processing application. The application must meet the following requirements:

- * The order is scheduled for delivery if all products are available.
- * The order is back-ordered if any one product is not available.
- * The customer can cancel the back-ordered order.
- * The order is scheduled for delivery if the customer does not cancel it.
- * The order is closed after delivery.

You need to select the state diagram that translates the requirements. Which diagram should you choose?

Diagram #1

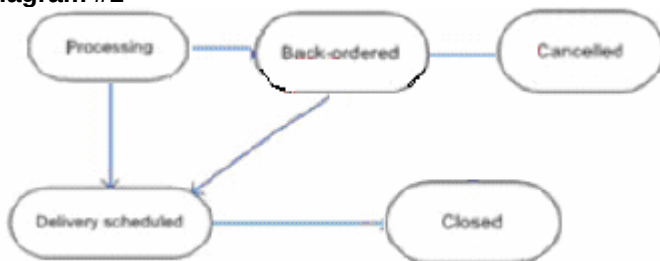


Diagram #2

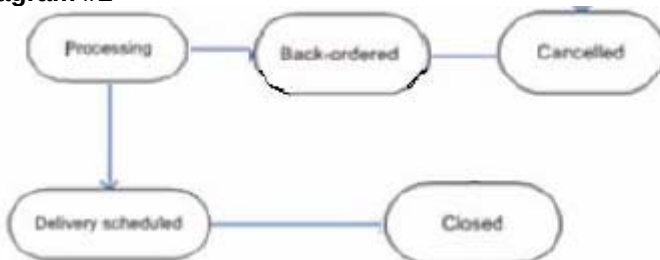


Diagram #3

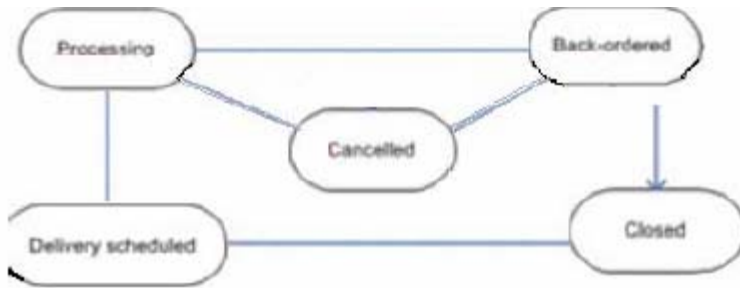
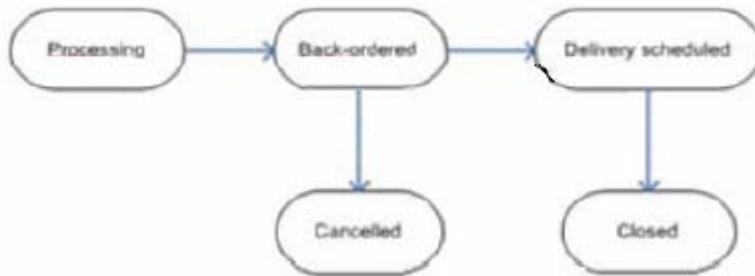


Diagram #4



- A. Diagram #1
- B. Diagram #2
- C. Diagram #3
- D. Diagram #4

Answer: Pending. Send your suggestions at support@Testkingonline.com

Question: 44

You are an enterprise application developer at Company.com. You are creating an e-commerce Web application. The application architecture consists of layers as shown in the following diagram.



The application layers are described in the following tables.

Presentation Layer	Details
Criterion 1	Provides an interface for consumers.
Criterion 2	Requires a hash validation method to verify a user's password after the user logs on to the Web-based application.

Service Facada Layer	Details
Criterion 1	Provides an interface for business partners.
Criterion 2	Requires digital signature-verification algorithms to verify the integrity of XML data that arrives from business

Workflow Layer	Details
Criterion 1	References the business logic layer.
Criterion 2	Requires a symmetric encryption algorithm for encrypted transport of XML data to third-party Web services.

Business Logic Layer	Details
Criterion 1	References the data access layer.
Criterion 2	Requires a symmetric decryption algorithm to decrypt encrypted credit card numbers and other account information.

You need to package the required cryptographic services into a single component. You also need to identify suitable locations for the cryptography component. What are the two possible layers to achieve this goal? (Each correct answer presents a complete solution. Choose two.)

- A. the presentation layer
- B. the service facade layer
- C. the workflow layer
- D. the business logic layer
- E. the data access layer

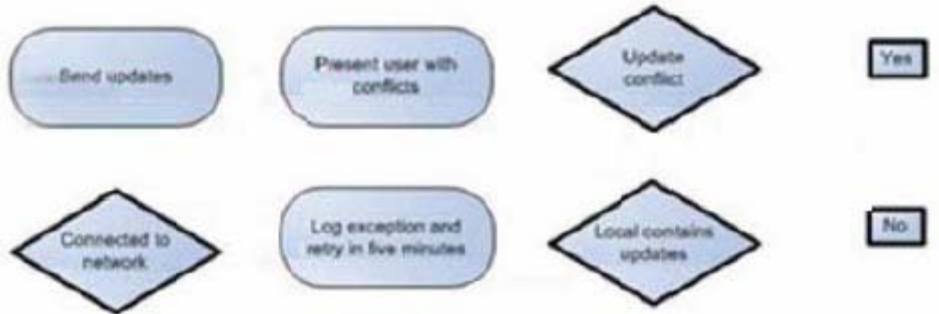
Answer: Pending. Send your suggestions at support@Testkingonline.com

Question: 45 DRAG DROP

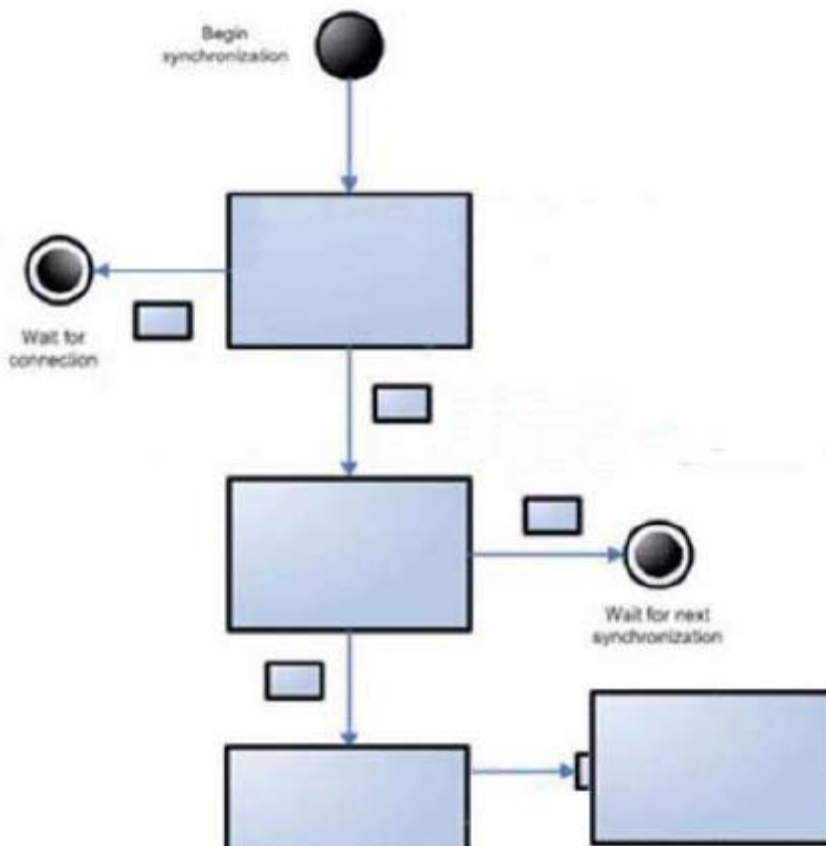
You are enterprise application developer for Company.com. You are supporting a smart client application that manages customer data. The customer data is built for offline use. Company representatives use the customer data. The application performs the following steps: The application detects when it is connected to the network. The application synchronizes data by using the server component. Sometimes, data or network issues cause exceptions. In such a situation, the application waits for five minutes before attempting to synchronize again. Representatives can verify a log file for details of what has occurred. The application performs the synchronization process in the following manner: The application finds out if there are remote or local changes to the data. If there are remote changes, the application gets updates through Web services. If there are local changes, the application issues updates by using message queues. Local and remote synchronizations can happen at the same time. In case conflicts occur during data updates to the remote database, the application provides the representative an opportunity to verify what data has changed since the last synchronization. The representative can leave the current data intact. The representative can update the data by using their local copy. You need to create an activity diagram to help you troubleshoot problems. How should you complete the activity diagram?

To answer, drag the appropriate messages to the correct locations.

Messages, Select from these



Messages, Place here



Answer: Pending. Send your suggestions at support@Testkingonline.com

Note:

Answers to the unanswered questions will be provided shortly. First customer, if any, faster than us in providing answers will receive credit for each answer provided.

Question: 46

You are an enterprise application developer at Company.com. You are creating an application that will deploy an on-demand training program. The training is a combination of documents and video files that the user can access from an internal server on the LAN. Users might access this application through their home computers when they are connected to the corporate network

through a virtual private network (VPN).

You need to design the video portion for the on-demand training program. You also need to ensure that users can view the videos without making modifications to their computer configuration.

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

- A. Create one file for all demonstrations.
- B. Create a set of files that have different qualities for different connection speeds.
- C. Create a set of files that have different formats for different players.
- D. Create a set of files for the corporate office and one set for the branch offices.
- E. Create a set of files for the VPN users.
- F. Create a set of files that require license keys to protect the content.

Answer: B, C

Question: 47

You are an enterprise application developer at Company.com You are creating the first version of an application to manage rich text documents.

The application must meet the following design requirements:

- * Support the file system and a Microsoft SQL Server database as data store.
 - * Ensure the following for future versions:
 - ** Add support for additional data stores, including network storage.
 - ** Acquire the ability to interface with third-party-distributed authoring and versioning tools.
 - * Bring additional storage options online without having to redeploy the entire application.
- You need to identify an appropriate approach to meet these requirements.

Which approach should you choose?

- A. Create a single Document component to represent the rich text content of a document and include methods on the component to persist and retrieve rich text for each type of data store.
- B. Create a single Document component to represent the rich text content of a document and an enumeration to represent each available data store. Include a parameter of the enumerated type in methods interfacing with a data store.
- C. Create a single Document component to represent the rich text content of a document and an enumeration to represent each available data store. Include a property on the Document component to permit the selection of a data store.
- D. Create a Document component to represent the rich text content of a document. Create a Document Repository component to manage the various data store.

Answer: D

Question: 48

You are an enterprise application developer at Company.com You are creating a component that will be used in an order fulfillment process.

The component performs the following two tasks:

- * Modifies data in a local Microsoft SQL Server database.
- * Adds data to a remote SQL Server database.

The application that uses the component is multithreaded. Each application thread that uses the component creates it's own instances of the component classes.

You need to ensure that the component either performs both tasks successfully or performs neither tasks.

What should you do?

- A. Use the System.Threading.Monitor class to synchronize the code segment that performs the data modifications and submits the message.

- B. Use classes in the System. Transactions namespace to enlist both tasks in a distributed transaction.
- C. Enable Multiple Active Result Sets (MARS) for each database connection.
- D. Use ADO.NET Data Adapter objects that are configured to support batch updates.

Answer: B

Question: 49

You are an enterprise application developer for Wood grove Bank. You are creating an application to manage different loan types.

All loan types share a common implementation for interacting with the financial systems of Wood grove. Each loan type must implement its own rules for calculating interest. In the first version of the application, you must support car loans and house loans. You need to develop an architecture for the different loan types within your application.

What should you do?

- A. Implement Loan as an abstract class. Implement CarLoan and House Loan as concrete classes.
- B. Implement Loan as an interface. Implement CarLoan and House Loan as concrete classes.
- C. Implement Loan as a concrete class. Implement CarLoan and House Loan as interfaces.
- D. Implement Loan as a sealed class. Implement CarLoan and House Loan as abstract classes.

Answer: A

Question: 50

You are an enterprise application developer at Company.com You create a component that generates medical documents. Your component is used by multiple document management systems. Users generate documents throughout the entire day and most documents are generated during business hours.

You notice that user load is increasing and performance is degrading. You need to identify sections of code on which to focus performance tuning efforts.

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

- A. Analyze the resource usage for the objects create in the component.
- B. Analyze the execution time for methods in the component.
- C. Analyze the time periods of peak frequency of document creation.
- D. Analyze which application users are generating the greatest number of document.
- E. Analyze which client applications are generating the greatest number of documents.

Answer: A, B

Question: 51

You are an enterprise application developer at Company.com You are creating a component that will be deployed as part of a class library. The component must meet the following specifications:

- * The interface of the component must be accessible to components outside the hosting assembly.**
- * The interface of the component must be interoperable with components written in any other .Net Framework languages.**
- * The implementation of the component cannot be expanded upon by a derived class.**

You need to design the interface of the component.

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

- A. Apply the CLSCompliant(true) attribute to the assembly and component definition.

- B. Apply the abstract keyword to the component definition.
- C. Apply the ComVisible(true) attribute to the assembly and component definition.
- D. Create a primary interop assembly for the assembly that hosts your component.
- E. Apply the sealed keyword to the component definition.
- F. Apply the public keyword to the component definition.

Answer: A, E, F

Question: 52

You are an enterprise application developer at Company.com . You create a component that executes queries against Microsoft SQL Server. The queries are executed inside the scope of a transaction. The transaction is started by using the SqlTransaction object. The code executes the query inside a Try block.

You need to create an exception handling mechanism that rolls back the transaction under any error condition and modifies the caller of the error. What should you do?

- A. Use a catch block to catch all exceptions. Roll back the transaction and rethrow the exception inside the catch block.
- B. Place code to roll back the transaction inside a finally block.
- C. Place the SqlTransaction object inside a using statement.
- D. Use a catch block to catch all exceptions. Rethrow the exception inside the catch block and roll back the transaction in the finally block.

Answer: A

Question: 53

You are an enterprise application developer at Company.com You design a data access component that interacts with a Microsoft SQL Server database. The component uses a database connection string. The database connection string is stored in clear text in the Connection Strings section of the application configuration file. During testing, you discover that the component might

be vulnerable to SQL injection attacks. You need to adopt a strategy to protect the component from SQL injection attacks.

What should you do?

- A. Replace all dynamic SQL statements with parameterized SQL statements that use strongly typed SQL parameters.
- B. Construct all dynamic SQL statements by using a Secure String object.
- C. Modify the method so that it throws an exception if the SQL statement does not return any rows.
- D. Encrypt the Connection Strings section of the configuration file.

Answer: A

Question: 54

You are an enterprise application developer at Company.com You are creating an application that has a layered architecture as shown in the following diagram.

A component that resides in the workflow layer manages transactions across one or more activities in the business logic layer. You need to make modifications to the component. You need to identify the layers that might require modification when the component in the workflow layer is modified.

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

- A. Presentation layer
- B. Service façade layer

- C. Business logic layer
- D. Data access layer

Answer: A, B

Question: 55

You are an enterprise application developer at Company.com You are creating a component that processes loan requests. Your component will be used inside Microsoft Windows Forms client applications.

The loan request form is complex and time consuming to complete. Loan data is saved to a Microsoft SQL Server 2005 database.

You need to ensure that in case of a system failure the loan officer does not need to re-enter any loan data.

What should you do?

- A. Implement a private Save method that saves all property values to the database. Call the Save method from inside your component's finalizer.
- B. Implement code inside the Set accessory for each property that saves the property value to the database.
- C. Implement a public Save method that saves all property values to a static variable.
- D. Implement code inside the Set accessory that saves the property value to a static variable.

Answer: B

Question: 56

You are an enterprise application developer at Company.com You are implementing a new component for an application. The component accesses a database to populate a list of customer object and exposes a method that is named GetAllCustomers. The component uses a design pattern to access the database only on an as-needed basis. A caching mechanism exists in a lower tier of the application architecture. The component must not cache data. You need to implement the logic for populationg a list of customer objects by using a database query. You also need to ensure that you meet the company guidelines for the component design pattern. What should you do?

- A. Execute a query in the constructor of the component to populate a field of type List. Return the List reference in the call to the GetAllCutomers method.
- B. Execute a query in the static constructor of the component to populate a static field of type List. Return the List reference in the call to the GetAllCustomers method.
- C. Execute a query in the GetAllCustomers method to populate a local variable of type List. Return the List reference.
- D. Execute a query in the GetAllCustomers method to populate a field of type List only if the field is null. Return the List reference.

Answer: B

Question: 57

You are an enterprise application developer at Company.com You create a Web service that wraps a business component to expose it through the Web. The business component contains two classes, the Utility class and the Facade class. The Utility class has private methods and internal methods. The Facade class has public methods. The Web service component has a Web service class that is named Services. The Services class performs security verification before the functions in the business component are called. The Services class refers on a class that is named Security in the Web service to implement the security verification. You have completed unit testing both components. You need to choose the class for which to write test cases for integration testing. Which class should you choose?

- A. Utility
- B. Facade
- C. Services
- D. Security

Answer: C

Question: 58

You are an enterprise application developer at Company.com Your team has created a distributed application that permits users to generate reports. The reports aggregate data from existing databases.

You must move your new application into a test environment. You propose the following criteria:

- * Compile the application components in release mode.**
- * Publish the ASP.NET files to the test Web server.**
- * Install the serviced components in component services on the application server.**
- * Backup the development database and restore it on the test database server.**

You need to evaluate the proposal and recommend accordingly.

What should you recommend?

- A. The proposal will effectively test the application.
- B. The proposal will not effectively test the application. The ASP.NET files must remain in the development environment. You must only move the serviced components.
- C. The proposal will not effectively test the application. You must not move the database. The application must be modified to use an existing production database.
- D. The proposal will not effectively test the application. You must not move the database. The application must be modified to use an existing test database.

Answer: D

Question: 59

You are an enterprise application developer at Company.com You create a business component for a contact management application that is named Contact. The Contact class contains a public read/write property that is named Company. Company is defined as a string. The Company field in the database is defined as nvarchar(20). You must test whether the property correctly handles values of any length. You decide to use a boundary condition test. You need to evaluate whether the proposed test is appropriate. What should you conclude?

- A. A boundary condition test is appropriate.
- B. A boundary condition test is not appropriate. The Company property does not need to be tested.
- C. A boundary condition test is not appropriate. The test must be rewritten to test duplicate values being entered into the database.
- D. A boundary condition test is not appropriate. The test must be rewritten to test non-ASCII characters.

Answer: A

Question: 60

You are an enterprise application developer at Company.com You create an application that consists of a data access component and a business component. The business component calls the data access component to persist business objects. The Quality Analysis team tests both components and finds errors in the data access component. These errors result in retrieval of wrong data. You need to reduce the errors in your code before the components are retested by the Quality Analysis team. What should you do?

- A. Perform integration testing on the business component and the data access component.

- B. Perform unit tests on the data access component.
- C. Perform stress tests on the data access component.
- D. Perform functional tests on the business component and the data access component.

Answer: B

Question: 61

You are an enterprise application developer at Company.com You are manipulating a collection of customer, product, and supplier objects. The collection objects must fulfill the following requirements:

- * The objects must use custom sort methods on different properties of the respective classes.**
- * The objects must be strongly typed.**

A developer from your team decides to use the following collection classes. abstract class

```
MyCollectionBase : System.Collections.CollectionBase {
    abstract public void sort();
}
public class CustomerCollection : MyCollectionBase {
    //Code overriding CollectionBase methods
    public override void Sort() {
        //Customer sorting code
    }
}
public class SupplierCollection : MyCollectionBase {
    //Code overriding CollectionBase methods
    public override void Sort()
    //Supplier sorting code
}
}
public class ProductCollection : MyCollectionBase {
    //Code overriding CollectionBase methods
    public override void Sort() {
        //Product sorting code
    }
}
}
```

You need to review the code and recommend improvements to simplify maintenance, if necessary.

What should you conclude and recommend?

- A. The code does not need to be modified.
- B. The code needs to be modified. The MyCollectionBase class must implement the ICollection interface instead of inheriting from the CollectionBase class.
- C. The code needs to be modified. Use List class instead of creating custom collections.
- D. The code needs to be modified. The child collection classes must inherit from the CollectionBase class instead of the MyCollectionBase class.

Answer: D

Question: 62

You are an enterprise application developer at Company.com You create a data access layer for an order processing application.

The data access layer meets the following criteria:

- * The data access layer contains a GetConnectionString method to retrieve and return the connection string for the database.**
- * The data access layer contains a stored procedure named GetTotalOrderAmount.**
- * The stored procedure runs a select query to return only the sum of the OrderAmount column for the active orders. At times, there might be no active orders. You create the following method to**

```

execute the stored procedure and return the total.
public double GetTotalOrderAmount() {
    SqlConnection con=sql connection (Get connectionstring());
    string sql="Get total orde Ammount";
    sqlcommand cmd=new sqlcommand(sql,con);
    ID datareader rd;
    con.open();
    rd=cmd.ExecuteReader();
    double amt=0.0;
    if (rd.Read()) {
    }
    amt=rd.Getdouble(0);
    }
    rd.Close();
    con.close();
    return amt;
}

```

You need to review the code and recommend modifications to simplify the code and improve performance, if necessary.

What should you conclude and recommend?

- A. The code does not need to be modified.
- B. The code needs to be modified. You must remove the condition that verifies whether the DataReader object returned any rows.
- C. The code needs to be modified. You must use a DataSet object instead of a DataReader object.
- D. The code needs to be modified. You must use the ExecuteScalar method instead of the ExecuteReader method.

Answer: C

Question: 63

You are an enterprise application developer at Company.com You are designing unit test cases for an account management system of a regional bank. Before creating the applicaton, you create the unit test scenarios by using use cases. Three high-leve use cases are outlined as shown in the following exhibit.

You need to write unit tests to test the functionality inside the system. Which three sets of unit tests should you write? (Each correct answer presents part of the solution. Choose three.)

- A. Write test that verify whether a teller and a branch manager can each enter transactions.
- B. Write test that verify whether the correct customer details are retrieved when a valid customer ID is given.
- C. Write test that verify whether the correct are entered in the Account database when a transaction is entered.
- D. Write test that verify whether the branch manager can create a new customer account.
- E. Write test that verify the details of an account after it is created.
- F. Write test that verify whether a teller can look up customers by using a valid customer ID.

Answer: B, C, E

Question: 64

You are an enterprise application developer at Company.com You create a layered application. You must deploy the application in a three-tier environment. Tier 1 consists of the presentation components deployed on a Web server. Tier 2 consists of the business objects deployed on an application server. Tier 3 consists of a database depoyed on a database server. You create a set of classes in a separate assembly as a data access layer to encapsulate the database access functionality. None of the classes in the data access layer inherits from the MarshalByRefObject class. Your team plans to deploy the data access layer component in tier 3. You need to evaluate

**whether the deployment plan will meet the requirements.
What should you conclude?**

- A. The deployment plan meets the requirement.
- B. The deployment plan does not meet the requirement. You need to deploy the data access layer component in tier 2 and tier 3.
- C. The deployment plan does not meet the requirement. You need to deploy the data access layer component only in tier 2.
- D. The deployment plan does not meet the requirement. You need to deploy the data access layer component in tier 1 and tier 2.

Answer: C

Question: 65

You are an enterprise application developer at Company.com You create a three-tier application for placing orders. The application permits users to submit search requests by using a Web service.

The Web service occasionally times out when search requests are submitted. You conclude that the Web service times out due to high network bandwidth utilization. You plan to create custom counters if necessary. You need to use performance counters to analyze the data.

Which three performance counters should you use? (Each correct answer presents part of the solution. Choose three.)

- A. Network Interface: Bytes transferred/sec
- B. Custom: Search result rows/sec
- C. Microsoft SQL Server: Deadlocks/sec
- D. Microsoft SQL Server: Batch requests/sec
- E. Memory: Pages/sec
- F. Custom: Search requests/sec
- G. Custom: Number of orders placed/sec

Answer: A, B, F

Question: 66

You are an enterprise application developer at Company.com You are creating a Web service by using ASP.NET. The Web service estimates insurance premiums based on values passed by the client application. The Web server is on the perimeter network. The Web server uses .NET Remoting to communicate to components on an application server that is on the corporate network. The components on the application server use Microsoft Windows Integrated security to authenticate to the database server. The perimeter network is configured to ensure that the following restrictions are imposed:

*** Only port 80 is open between the perimeter network and the external network.**

*** Application-specific ports might be opened between the perimeter network and the internal network when necessary.**

You need to prepare a deployment verification list and a production verification list. Which five actions should you include? (Each correct answer presents part of the solution. Choose five.)

- A. Verify that the Web server is a member of the domain.
- B. Verify that the application server is a member of the domain.
- C. Create a SQL user name and password for the application.
- D. Open a port between the perimeter network and the internal network.
- E. Verify that the .NET Framework is installed on the Web server.
- F. Verify that the .NET Framework is installed on the application server.
- G. Verify that the .NET Framework is installed on the database server.
- H. Verify that IIS is installed on the Web server.
- I. Verify that IIS is installed on the application server.

Answer: B, D, E, F, H

Question: 67

You are an enterprise application developer at Company.com You create a client application. One thousand customer service agents use the application during their core business hours, from 8:00 to 17:00. The application conforms to the following design details:

- * The application uses separate business logic components and data access logic components.**
- * The data components run on the client computer and connect to a central Microsoft SQL Server 2005 database server.**

*** When the application starts, it retrieves datasets to populate list boxes, drop-down list boxes, and TreeView controls that have data common to all users.**

*** Users are authenticated to the database by using Active Directory.**

Users report that the application is slow to start. You need to recommend a solution so that the application starts normally. You want to achieve this goal with the minimum programming effort. Which solution should you recommend?

- A. Change the data access component to use data readers instead of datasets. Redeploy the data access component.
- B. Implement a Least Recently Used Cache (LRUCache) on the client application in the business component. Redeploy the business component.
- C. Create a synchronization application to synchronize a local database with the central database. Modify the data access logic to connect to the local database if available, otherwise connect to the central database. Deploy Microsoft SQL Server 2005 Express Edition and the synchronization application. Redeploy the data access component.
- D. Enable SQL connection pooling by giving the application a SQL username and password. Redeploy the configuration file.
- E. Install the data access component on a Web server and access it through a Web service. Enable output caching on the Web service. Redeploy the business component.

Answer: E

Question: 68

You are an enterprise application developer at Company.com You are designing an intranet Web application.

This application must meet the following requirements:

- * The employees must log on to use the application.**
- * The database authentication mechanism must be as secure as possible.**
- * The number of connection pools must be minimized.**

You decide to use Microsoft SQL Server authentication and a specific SQL Server account.

You need to evaluate whether the design will meet the business requirements and make recommendations, if required. What should you conclude?

- A. The design meets the requirements.
- B. The design does not meet the requirements. Use Windows Authentication with a specific Windows account.
- C. The design does not meet the requirements. Use SQL Server authentication and the credentials of the logged on user.
- D. The design does not meet the requirements. Use Windows Authentication with the Windows account of the logged on user.

Answer: B

Question: 69

You are an enterprise application developer at Company.com You are evaluating the physical design of a Web-based application. Fifty customers will use the application from different regions.

The use of the application will trigger events of different severities. These events must be logged, extracted, and then filtered on the basis of customer, region, or severity of events. The event details also must be persisted, backed up, and archived for later retrieval. The development team plans to use an event log for logging events. On evaluation, you find the plan does not meet the requirements.

You need to explain why an event log fails to meet the requirements. What should you conclude?

- A. Event logs cannot track custom application events.
- B. Event logs cannot be filtered to meet the requirements.
- C. Event logs cannot be backed up or archived.
- D. Event logs cannot be persisted and will be deleted when the Web server shuts down.

Answer: B

Question: 70

You are an enterprise application developer at Company.com You are creating an application that will track shipments. This application must support integration with applications that run on different platforms and operating systems. The application that you are creating can be invoked only through SOAP messages over HTTP. You choose Web services instead of .NET Remoting to meet these requirements. You need to specify the reason for choosing Web services. Which statement should influence your decision?

- A. SOAP messages cannot be exchanged in .NET Remoting.
- B. Web services Description Language documents cannot be generated from .NET Remoting class definitions.
- C. .NET Remoting objects will not be interoperable with other platforms.
- D. .NET Remoting objects cannot be invoked through HTTP.

Answer: C

Question: 71

You are an enterprise application developer at Company.com You create an application that has three layers:

- * Layer 1 contains the Microsoft Windows client and the input validation logic.
- * Layer 2 contains business entities, business workflows, and business rules.
- * Layer 3 contains the data access classes and stored procedures.

You need to analyze the layers and identify dependencies that exist between these layers. Which two dependencies should you identify? (Each correct answer presents part of the solution. Choose two.)

- A. Layer 1 depends on Layer 2.
- B. Layer 3 depends on Layer 1.
- C. Layer 2 depends on Layer 3.
- D. Layer 1 depends on Layer 3.
- E. Layer 2 depends on Layer 1.

Answer: A, C

Question: 72

You are an enterprise application developer at Company.com You are designing an application. The database for the application currently has a one-to-one relationship between order and product.

The application must meet the following business requirements:

- * An order must contain orders for many products.
- * An order must store the ordered quantity of each product.

You need to evaluate the existing design and recommend changes to meet the business

requirements.

Which two changes should you recommend? (Each correct answer presents a complete solution. Choose two.)

- A. Change the relationship between order and product to one-to-many.
- B. Change the relationship between order and product to many-to-many.
- C. Create a new table named Order line. Establish a one-to-many relationship between order and Order line and a one-to-one relationship between product and Order line.
- D. Create a new table named Order line. Establish a one-to-many relationship between order and Order line and a one-to-many relationship between product and Order line.

Answer: B, D

Question: 73

You are an enterprise application developer at Company.com. You are designing a Microsoft Windows-based application that will use a third-party library. The third-party library is available in a single assembly. The library contains classes inside the Com.Util namespace. You can access the source code for this library. You must provide additional functionality that is not available in the third-party library. To conform to corporate policy, the additional functionality must be available in the Com.Util namespace. A developer in your team decides to implement the additional functionality by modifying the source code of the third-party library. You need to evaluate whether this implementation simplifies maintenance when new versions of the third-party library are released. What should you conclude?

- A. The current implementation satisfies the requirements.
- B. The current implementation does not satisfy the requirements. You need to create partial classes inside the third-party library for the extra functionality. Compile the partial classes as a single assembly and use it in the application.
- C. The current implementation does not satisfy the requirements. You need to create a separate assembly and create classes inside the Com.Util namespace. Use this assembly along with the third-party library assembly in the application.
- D. The current implementation does not satisfy requirements. You need to create partial classes in a separate assembly for the classes in the third-party library assembly. Use the separate assembly along with the third-party library assembly in the application.

Answer: C

Question: 74

You are an enterprise application developer. You are creating a client/server application. You need to install the application on the company network.

The client/server application must meet the following criteria:

- * The server component is a class library that is created by using the .Net Framework.**
- * The client component is a Microsoft Windows-based application that is created by using the .Net Framework.**
- * The client component and the server component must communicate by using a binary protocol.**
- * The fewest possible ports are opened between the client component and the server component.**

You need to identify a technology that permits the server to communicate with the client component through the TCP/IP protocol. Which technology should you use?

- A. Message Queuing
- B. .Net Remoting
- C. Web services
- D. DCOM

Answer: B

Question: 75

You are an enterprise application developer at Company.com You are evaluating a component that monitors a Web-based application. The component stores monitoring information in a database and performs the following functions:

- * Retrieves the number of orders placed per second.
- * Tracks the data for peak usage of the application and displays the data in a tabular form.

Subsequently, monitoring requirements change in the following manner:

- * Users must be able to view data graphically.
- * Users must be able to analyze data in real time.
- * Users must be able to correlate the number of orders placed per second with the memory usage in the Web server.

You need to evaluate whether the component meets the new requirements and propose a solution, if required. What should you conclude?

- A. The component meets the new requirements.
- B. The component does not meet the new requirements. You need to update a text file by using trace statements instead of storing data in a database.
- C. The component does not meet the new requirements. You need to update a custom performance counter instead of a database.
- D. The component does not meet the new requirements. You need to update a custom event log instead of a database.

Answer: C

Question: 76

You are an enterprise application developer at Company.com You are creating an application. Within your application, an order contains order lines. Order lines are always contained within an order.

You need to analyze this structure and show the link between the order and the order line by using a class diagram.

Which diagram should you choose?

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

Answer: A

Question: 77

You are an enterprise application developer at Company.com You are creating an application to manage the inventories of 1,000 stores in geographically dispersed locations. The stores are connected to the main office through a secure network infrastructure. Inventory data from the store servers must be consolidated at the main office everyday. The main office initiates the consolidation by calling a component at the store. Transactional integrity must be maintained during consolidation. Security policy requires the application to propagate Microsoft Windows security context throughout the system to ensure authorization and authentication. Security policy

does not permit Web servers at the stores. You need to recommend a reusable component technology that permits data from the store servers to be consolidated at the main office. You also need to ensure that the security policy requirements are met. What should you recommend?

- A. Web services
- B. Serviced components
- C. .Net Remoting over HTTP

D. .Net Windows service

Answer: B

Question: 78

You are an enterprise application developer at Company.com You create a large-scale, managed application that needs a consistent approach to event logging. The application must format and log events to 20 destinations. Events from 15 sources must be collated onto a single computer. The application must perform the following tasks:

- * Maintain consistent logging and instrumentation practices, both within an application and across the enterprise.
- * Ease the learning curve for developers by using a consistent architectural model.
- * Support custom implementations of formatters and event sinks.
- * Generate log entries as discrete events or as part of a traced process.

You need to select an appropriate implementation approach.

Which approach should you choose?

- A. User the Logging and Instrumentation Application Block from Enterprise Library.
- B. Write a custom event management component based upon the the Publisher-Subscriber pattern.
- C. Use the Event Log component from Microsoft .NET Framework.
- D. Use the Message Queuing components from Enterprise Services.

Answer: A

Question: 79

You are an enterprise application developer at Company.com You create a distributed application that transfer data access tiers. The application transfers multiple rows of data per transaction to business components through a Microsoft .NET Framework remoting channel. The application binds this data to user interface components. The .Net Framework remoting channel is configured to use binary serialization. After the data is retrieved from the data source, the data is not changed. The distributed application must meet the following criteria:

- * Consume minimum memory for any data location.
- * Make minimum use of the processor for any data location.

You need to identify the type of object to serialize.

Which object should you choose?

- A. a DataSet object
- B. a DataReader object
- C. an XmlReader object
- D. a DataTable object

Answer: D

Question: 80

You are an enterprise application developer at Company.com You create a distributed invoicing solution.

Operating requirements state that the memory that is used by the Microsoft Windows-based application must not exceed a specified value. Technology requirements state that all execution failures must be reported.

The Windows based application must meet the following criteria:

- * Alert system administrators when the memory usage reaches a critical value.
- * Alert system administrators when a technical exception occurs.
- * Log processor and disk space usage on all client computers.

You need to select an event management implementation to meet the criteria. What should you choose?

- A. Tracing
- B. System Event Log
- C. Performance Counters
- D. Microsoft Windows Management Instrumentation (WMI)

Answer: D

Question: 81

You are an enterprise application developer at Company.com You design and develop an event logging strategy for a distributed system. The distributed system consists of a Web-based application, a Microsoft Windows service, and several Microsoft Windows-based application.

The event logging strategy must meet the following requirements:

- * All system errors are logged and available to a central administration application.**
- * The data is available for historical analysis.**
- * The delivery mechanism is fault-tolerant and reliable.**

You need to recommend a system-wide event logging strategy. What should you recommend?

- A. Write events to the event log on each client computer. Use File Transfer Protocol (FTP) to send the events to the central server at the end of the day.
- B. Write events to a DataSet object. Serialize the result to the central server on a configurable timer.
- C. Write events to a Message Queue and import them into a database.
- D. Write a Web service that logs events to the centralized data store.

Answer: D

Question: 82

You are an enterprise application developer at Company.com You create a Microsoft Windowsbased service application.

The application must perform the following tasks:

- * Monitor running processes for critical events.**
 - * Log critical events to an e-mail and send the e-mail to the system administrators.**
 - * Record and include stack information as part of the critical event.**
- You must be able to configure application event logging at run time. Application event logging must have minimal impact on runtime performance. You need to choose an appropriate monitoring feature to fulfill these requirements. Which feature should you choose?**

- A. Microsoft Windows Management Instrumentation (WMI) events.
- B. The System Event Log
- C. A custom TraceListener
- D. The Application Event Log

Answer: C

Question: 83

You are an enterprise application developer at Company.com A Web-based application manages the employee information in your company. A rapid increase in the number of employees renders scalability difficult. You must suggest a component strategy that permits the application to scale as the number of employees grows.

The component must implement the following application features:

- * It resides completely behind a company firewall.**
- * It has complex transactional and auditing requirements.**
- * It operates across multiple servers within the company.**
- * It provides runtime identity services for each employee.**

You need to choose a component type that implements these features in a scalable manner. You need to achieve this goal by using the least coding effort. Which component type should you choose?

- A. .NET Framework remoting component
- B. Web services component
- C. .NET Framework class library component
- D. Enterprise Services component

Answer: B

Question: 84

You are an enterprise application developer at Company.com. You are developing several Web services that are accessed by smart client applications. The Web services might be installed on different Web servers. The smart client applications must authenticate users by using credentials issued by a single sign-on service. The single sign-on service was developed by a different group in your organization. The security policy of the application includes the following requirements:

*** User identity must be transmitted across application boundaries.**

*** User identity must be logged for auditing purposes.**

You need to choose a strategy to propagate user information securely across the application boundaries. What should you choose?

- A. Use remote method calls to pass user information between applications that use function parameters.
- B. Install business components in Enterprise Services and use Kerberos tickets to authenticate users.
- C. Use SOAP headers to pass user identity across application assemblies and log authentication information at each boundary.
- D. Use NTLM tokens to authenticate users and trusted Microsoft Windows domains.

Answer: B