



70-565

**Pro: Designing and Developing Enterprise Applications Using
the Microsoft .NET Framework 3.5**

Q&A

DEMO Version

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Technical and Support Team
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Question: 1

You create an application by using Microsoft Visual Studio .NET 2008 and the .NET Framework 3.5. You purchase a logging component along with the source code from a third-party vendor. New versions of the component are frequently released by the same vendor. You require certain additional features that might be present in a future release of the logging component. You need to consume the logging component in the application. You also need to ensure that the component can be replaced with a new version by using the minimum amount of development effort. What should you do?

- A. Reference the logging component in the application. Implement additional features as a separate utility class within the application.
- B. Add the source code for the logging component in your current application. Implement additional features within the application.
- C. Wrap the logging component in a class library. Implement additional features in the class library. Reference the class library in the application.
- D. Modify the source code for the logging component. Implement additional features by modifying the code. Reference the modified logging component in the application.

Answer: C

Question: 2

You are designing business layer classes by using the .NET Framework 3.5 and Microsoft SQL Server 2008. The business classes will be used by a banking application. The class diagram for the business classes is as shown in the exhibit. (Click the Exhibit button.)

You need to ensure that the application meets the following requirements:

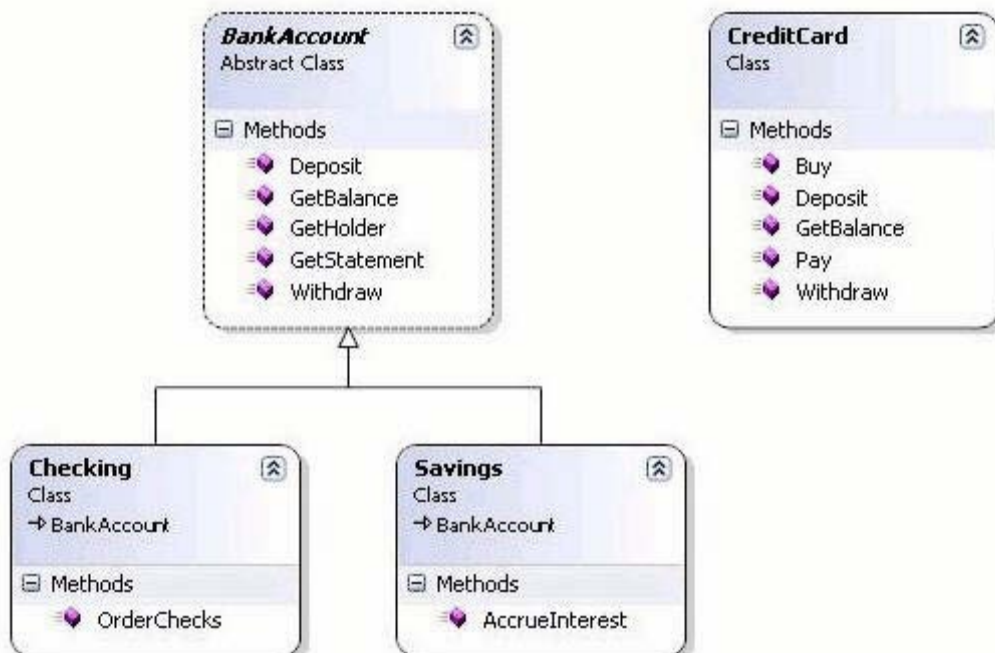
Users are allowed to select only one of the three operations withdraw, deposit, and get balance.

Access to other members of the business objects is disallowed.

Future types of accounts can be handled.

Use of the operations directly from the class is disallowed.

Child classes inherited from the business layer classes are prevented from overriding these operations. What should you do?



- A. Create a new abstract class. Add the Deposit, Withdraw, and GetBalance methods to the new class. Change the BankAccount and CreditCard classes to inherit from the new class. Use the abstract class to handle operations to any object in the bank hierarchy.
- B. Create a new concrete class. Add the Deposit, Withdraw, and GetBalance methods to the new class. Change the BankAccount and CreditCard classes to inherit from the new class. Use an instance of the concrete class to handle operations to any object in the bank hierarchy.
- C. Create a new interface. Add the Deposit, Withdraw, and GetBalance methods to the new interface. Change the BankAccount and CreditCard classes to explicitly implement the members of the new interface. Use the interface to handle operations to any object in the bank hierarchy.
- D. Create a new interface. Add the Deposit, Withdraw, and GetBalance methods to the new interface. Change the BankAccount and CreditCard classes to implicitly implement the members of the new interface. Use the interface to handle operations to any object in the bank hierarchy.

Answer: C

Question: 3

You create an application by using Microsoft Visual Studio .NET 2008 and the .NET Framework 3.5. The application includes a class that contains several public methods that modify the object state. Object state is encapsulated in private data members.

You need to ensure that your unit tests meet the following requirements:

Call public methods.

Validate the expected behavior by checking the values of private data members.

Fail to compromise object security or encapsulation. What should you do?

- A. Replace private data members with public members.
- B. Use the publicize.exe utility to create a private accessor for the class library.
- C. Add the [AttributeUsageAttribute(AttributeTargets.Method, AllowMultiple = true)] decoration to the class.
- D. Add public methods to the class that can be called by unit tests to verify that the private data members provide expected values.

Answer: B

Question: 4

You create an application by using Microsoft Visual Studio .NET 2008 and the .NET Framework 3.5. You plan to add an existing .NET component into the current application. The .NET component has insufficient documentation. The structure of the classes in the component must be analyzed before they are incorporated in the application. You need to analyze the members in the component and the dependencies among them. What should you do?

- A. Enable logging on the component.
- B. Run a code profiler on the component.
- C. Create a class diagram for the component.
- D. Create a sequence diagram for the component.

Answer: C

Question: 5

You create an application by using Microsoft Visual Studio .NET 2008 and the .NET Framework 3.5. You have a pre-defined database schema. You plan to design a business object layer in the application. The business object layer must map each database table in the schema to an object

in the layer. The application must provide support for different database providers. You need to identify a technology to implement the business object layer by using the minimum amount of development effort. Which technology should you use?

- A. LINQ to SQL
- B. LINQ to XML
- C. Microsoft Sync Framework
- D. ADO.NET Entity Framework

Answer: D

Question: 6

You create a Windows Forms application by using Microsoft Visual Studio .NET 2008 and the .NET Framework 3.5. The application is installed on several computers on the network. All unhandled and unexpected exceptions must be logged to a central location to allow reporting for administrator users. You need to record the exception details. What should you do?

- A. Write the details to the local XML file.
- B. Write the events to the Windows event log.
- C. Write the details to the Microsoft SQL Server database.
- D. Log the events by using Event Tracing for Windows.

Answer: C

Question: 7

You create an application by using Microsoft Visual Studio .NET 2008 and the .NET Framework 3.5. The application communicates with other systems by using a proprietary messaging format. The company must monitor the response-time of the communication. The monitoring strategy of the application must meet the following requirements:
 Information must be logged to a central location.
 Historical data must not be overwritten without administrator action.
 Information can be displayed in real time.
 Information can be displayed in graphical format.
 Information can be displayed along with system-supplied performance data.
 You need to design a strategy that monitors response-times to meet the requirements.
 What should you do?

- A. Install the network monitoring tool to display the amount of data processed by the servers.
- B. Record the message response-times in a log file by using the System.IO.Log namespace.
- C. Record the message response-times in the Windows Event Log service by using the System.Diagnostics.EventLog namespace.
- D. Create custom performance counters for the message response-times. Use the System.Diagnostics.PerformanceCounter namespace.

Answer: D

Question: 8

You create an application by using Microsoft Visual Studio .NET 2008 and the .NET Framework 3.5. The application uses a Web farm to host several Windows Communication Foundation (WCF) services. The services receive messages from several clients over the Internet that implement the same data contract. You develop a new version of the data contract. An older version of the data contract had elements that were optional that are now required. Default element is an acceptable variation for the optional element.

Not all customers will be able to implement the new version of the data contract before you complete deployment to the entire Web farm.
 You need to define a validation strategy that will ensure that all the clients can successfully communicate by using the new data contract.
 What should you do?

- A. Use a message filter.
- B. Use a message inspector.
- C. Use a custom WCF transport.
- D. Use a rules-driven WCF router.

Answer: B

Question: 9

You create an ASP.NET application by using Microsoft Visual Studio .NET 2008 and the .NET Framework 3.5. The application uses a Microsoft SQL Server database.
 During testing, the application intermittently logs the following exception message:
 "Transaction (Process ID xxx) was deadlocked on lock resources with another process and has been chosen as the deadlock victim. Rerun the transaction."
 The error cannot be reproduced in the development environment.
 You need to identify the root cause of the exception.
 What should you do?

- A. Use Event Viewer.
- B. Use SQL Server Profiler.
- C. Use Performance Monitor.
- D. Configure the system.transactions trace source in the Web.config file.

Answer: B

Question: 10

You create an application by using Microsoft Visual Studio 2008 and the .NET Framework 3.5. The application is hosted on a Web server that runs Microsoft Windows Server 2003. It connects to a third-party system by using Web service calls.
 The third-party system experiences occasional unplanned outages. When a system outage occurs, the application must perform the following tasks:
 Log error details.
 Notify an on-call technician.
 You need to develop a strategy to perform the required tasks.
 What should you do?

- A. Use the System.Diagnostics.EventLog and the System.Net.Mail namespaces.
- B. Use the System.Diagnostics.EventLog and the System.Net.PeerToPeer namespaces.
- C. Use the System.IO.Log namespace and the System.Diagnostics.Trace class.
- D. Use the System.IO.Log and the System.Diagnostics.Eventing.Reader namespaces.

Answer: A