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70-565

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

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Note: The answer is for reference only, you need to understand all question.

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 operationswithdraw, 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.

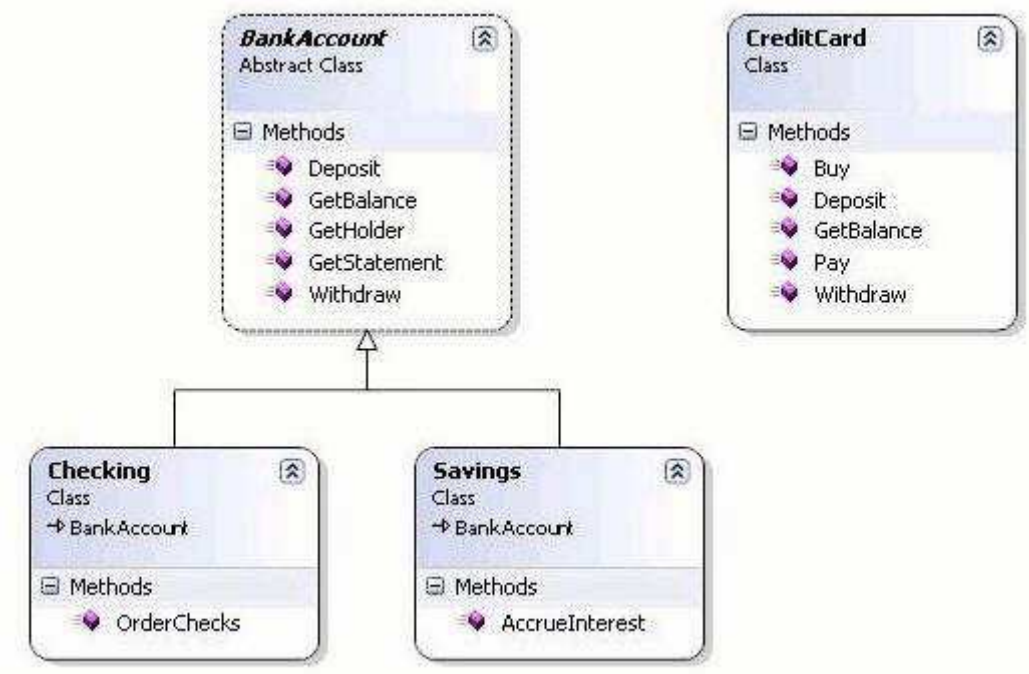
Child classes inherited from the business layer classes are prevented from overriding these operations. What should you do?

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.

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.

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.

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.