



GIAC

GSSP-NET-CSHARP

GIAC Secure Software Programmer - CSharp.NET

QUESTION: 530

Mark works as a Software Developer for TechBook Inc. He develops an ASP.NET application, named MyApp1, using Visual Studio .NET. MyApp1 contains an ASP.NET page that is used to register new participants to a quiz contest, which is to be held recently in the city of New York. In order to take part in the quiz contest, an applicant must be between the age of fifteen and twenty-five. Mark adds a TextBox control, named txtDateOfBirth, to the page. He wants to ensure that each prospective participant enters his date of birth in txtDateOfBirth. He also wants to verify that prospective participants meet the age requirement. For this, Mark wants to use a custom client script function. He also wants to minimize the number of trips made to the server. Which of the following actions will Mark perform to accomplish the task? Each correct answer represents a part of the solution. Choose all that apply.

- A. Add a RequiredFieldValidator control to the page. Set its ControlToValidate property to txtDateOfBirth.
- B. Set the ClientValidationFunction property of the CustomValidator control to the name of the script function that performs the client-side validation.
- C. Set the AutoPostBack property of txtDateOfBirth to True.
- D. Add a CustomValidator control to the page. Set its ControlToValidate property to txtDateOfBirth.
- E. Set the ClientValidationFunction property of txtDateOfBirth to the name of the script function that performs the client-side validation.
- F. Set the AutoPostBack property of txtDateOfBirth to False.

Answer: A, B, D, F

QUESTION: 531

You work as a Software Developer for uCertify Inc. The Company uses .NET Framework 2.0 as its application development platform. You are creating an application that will perform different types of comparison operations. Therefore, you decide to use only those methods that are available in all the classes of .NET Framework 2.0. Which of the following methods will you use to accomplish the task? Each correct answer represents a complete solution. Choose all that apply.

- A. Compare
- B. ToString
- C. Copy
- D. Equals
- E. GetType

Answer: B, D, E

QUESTION: 532

You work as a Software Developer for ManSoft Inc. You create an application using Visual Studio .NET 2005. You write the following code snippet in the application:

```
int amt = 50;
String s = "John gave me " + amt + " dollars";
Console.WriteLine(s);
```

What will be the output of the above code?

- A. "John gave me amt dollars"
- B. "John gave me 50 dollars"
- C. Integer variable cannot concatenate with the string
- D. Invalid type cast exception

Answer: B

QUESTION: 533

You work as a Software Developer for ManSoft Inc. You use Microsoft Visual Studio to create a Web service named MyWebService. You create a SOAP message that is not secure in the Web service. You want to use the ReceiveSecurityFilter class in the Web service to handle the receiving and securing of SOAP messages. Which of the following code segments will you use to accomplish the task? Each correct answer represents a part of the solution. Choose all that apply.

A.

```
public class MyReceiveSecurityFilter : ReceiveSecurityFilter
{
    public MyReceiveSecurityFilter(string service, Boolean client)
    {
        base(service, client);
    }
    public override void ValidateMessageSecurity(SoapEnvelope envelope, Security security)
    {
        // Implementation validation here
    }
}
```

```
}
```

B.

```
public class MyReceiveSecurityFilter : ReceiveSecurityFilter
{
public MyReceiveSecurityFilter(string service, Boolean client) : base(service, client)
{ }
public override void ValidateMessageSecurity(SoapEnvelope envelope, Security security)
{
// Implementation validation here
}
}
}
```

C.

```
public class MyReceiveSecurityFilter : ReceiveSecurityFilter
{
public MyReceiveSecurityFilter(string service, Boolean client)
{ }
public override void ValidateMessageSecurity(SoapEnvelope envelope, Security security)
{
// Implementation validation here
}
}
}
```

D.

```
public class MyReceiveSecurityFilter : ReceiveSecurityFilter
{
public MyReceiveSecurityFilter(string service, Boolean client) : base(service, client)
{ }
public void ValidateMessageSecurity(SoapEnvelope envelope, Security security)
{
// Implementation validation here
}
}
```

Answer: A, B

QUESTION: 534

You work as a Software Developer for uCertify Inc. The company uses Visual Studio.NET as its application development platform. You have recently finished development of an application using .NET Framework. The application used two threads named threadOne and threadTwo. You are required to modify the code of the application to prevent the execution of threadOne until threadTwo completes execution. What will you do to accomplish this task?

- A. Use a WaitCallback delegate to synchronize the threads.
- B. Configure threadTwo to run at a higher priority.
- C. Configure threadOne to run at a lower priority.
- D. Call the Sleep method of threadOne.
- E. Call the SpinLock method of threadOne

Answer: A

QUESTION: 535

John works as a Web Developer for TechCom Inc. He creates an ASP.NET application, named MyApp1, by using Visual Studio .NET for a University Web site. Students will use MyApp1 to view their term end results. MyApp1 contains an ASP.NET page, named Page1. Page1 contains a TextBox control, named txtEnrolmentNo, and two Button controls, named btnSubmit and btnCancel. John wants to display the text "Enter Enrolment Number" within txtEnrolmentNo. He wants to ensure that if a user tries to submit the page without entering an enrolment number, the word "Error" appears next to txtEnrolmentNo. Which of the following actions will he take to accomplish the task? Each correct answer represents a part of the solution. Choose two.

- A. Add a RequiredFieldValidator control to the page. Set its ControlToValidate property to txtEnrolmentNo, InitialValue property to "Enter Enrolment Number", and ErrorMessage property to "Error".
- B. Add a RequiredFieldValidator control to the page. Set its ControlToValidate property to txtEnrolmentNo, ErrorMessage property to "Enter Enrolment Number", and InitialValue property to "Error".
- C. Set the InitialValue property of txtEnrolmentNo to "Enter Enrolment number".
- D. Set the Text property of txtEnrolmentNo to "Enter Enrolment number".
- E. Add a RegularExpressionValidator control to the page. Set its ControlToValidate property to txtEnrolmentNo, ErrorMessage property to "Enter Enrolment Number", and InitialValue property to "Error".

Answer: A, D

QUESTION: 536

You work as a Software Developer for InfoTech Inc. You create a Windows form in a Windows-based application named MyWinApp1. You use graphics in the form. You write the following code in your form:

```
private void MyMouseEvent1(object sender1, MouseEventArgs event)
```

```
{  
// Code to handle mouse events  
}
```

You want to implement a property of the MouseEventArgs object. This property will return a Point structure that contains the x-coordinate and y-coordinate of the mouse. Which of the following properties of the MouseEventArgs object will you use to accomplish this?

- A. Y
- B. Location
- C. Button
- D. X
- E. Delta
- F. Clicks

Answer: B

QUESTION: 537

Allen works as a Software Developer for uCertify Inc. The company uses Visual Studio.NET 2008 as its application development platform. Allen develops an application using .NET Framework 3.5. The application connects to a SQL Server database using a SqlConnection object named Connection1. He creates some stored procedures in the database, which are used to update the data. Allen finds that sometimes, the update operation does not affect any row. He wants to add an error handling code to the application. Which of the following code segments will he use to accomplish the task?

```
A. try  
{  
Connection1.open();  
}  
catch(DataException Myexcept)  
{  
//Error-handling code  
}
```

```

B. try
{
Connection1.open();
}
catch(SQLException Myexcept)
{
//Error-handling code
}
C. try
{
Connection1.open();

}
catch(DBConcurrencyException Myexcept)
{
//Error-handling code
}
D. try
{
Connection1.open();
}
catch(InvalidCastException Myexcept)
{
//Error-handling code
}

```

Answer: C

QUESTION: 538

You work as a Web Application Developer for SunInfo Inc. The company uses Visual Studio 2008 as its application development platform. You create a Web application using .NET Framework 3.5. You want to attach the Visual Studio Debugger to Internet Explorer when the application is running. Which of the following steps will you take to accomplish the task? Each correct answer represents a part of the solution. Choose all that apply.

- A. In Visual Studio, go to the Debug menu and select Start Debugging.
- B. In Visual Studio, go to the Debug menu, click Windows, and then click Script Explorer.
- C. In the Attach to Process dialog box, select the instance of Internet Explorer (iexplorer.exe)

to be attached to the debugger.

D. In Visual Studio, go to the Debug menu and click Attach to Process.

Answer: C, D

QUESTION: 539

Mark works as a Web Developer for uCertify Inc. He develops an ASP.NET application, named MyApp1, using Visual Studio .NET. MyApp1 allows users to view and purchase company products. It includes several pages. The start-up page of the application is Page1.aspx. He configures the application's Web.config file to use form-based authentication. Mark wants users to log on to Page1.aspx by providing their user names and passwords. To accomplish this, he creates an ASP.NET page named UsersLogIn.aspx that allows each user to specify a user name and password. He then writes the following syntax in the Web.config file.

```
<authentication mode="Forms">
<forms name="MyName"
loginUrl="/UsersLogIn.aspx"
protection="All"
timeout="60"
slidingExpiration="true">
</forms>
</authentication>
```

What will be the result? Each correct answer represents a part of the solution. Choose two.

- A. The session will expire after 60 seconds.
- B. The session will expire after 60 minutes.
- C. The session will expire after 60 hours.
- D. The session lifetime will be reset periodically.
- E. The session will never expire.
- F. Once the session lifetime is set, it will not change.

Answer: B, D

QUESTION: 540

Martha works as a Software Developer for HiTech Inc. She develops a Web application named SalesApp that contains a Web page named MyWebForm1.aspx. The Web page contains validation controls for the Web server controls on the page. Martha wants the

custom validation error message to display if the validation fails to call the validation control on the Web page. Which of the following actions will Martha take to accomplish the task? Each correct answer represents a part of the solution. Choose all that apply.

- A. Call the Validate method of the validation control.
- B. Check the IsValid property of the validation control.
- C. Handle the Page_Init event handler.
- D. Handle the Page_Load event handler.

Answer: A, B, D

QUESTION: 541

You work as a Windows Application Developer for uCertify Inc. The company uses Visual Studio .NET as its application development platform. You are developing an application for the customer support using the .NET Framework. The customer support application accepts phone numbers. While running a report, you notice that the phone numbers displayed do not pursue similar format. Furthermore, there are cases of missing digits and missing area codes. You are required to ensure that the phone numbers are entered in the following format:

(###) ###- ####

You need to accomplish this task with the least amount of code. What will you do?

- A. Use the CustomValidator control.
- B. Replace all TextBox controls that are used for phone number input with MaskedTextBox controls.
- C. Write code that uses a regular expression.
- D. Use the RegularExpressionValidator control.

Answer: B

QUESTION: 542

You work as a Software Developer for InfoTech Inc. You develop an application named MyApp that works as a scientific calculator. A user inputs data and retrieves the calculated results based on the input values. The application uses a SQL database that contains two tables. One table contains data related to standard calculation specifications and the other table stores input values entered by the user. You want to ensure that the user is able to

retrieve appropriate data fast. Which of the following actions will you take to accomplish the task? Each correct answer represents a part of the solution. Choose all that apply.

- A. Use more than one component to process input data.
- B. Write code that performs multiple tasks simultaneously.
- C. Run multiple processes on a single thread.
- D. Use a single component to process input data.
- E. Run multiple processes on separate threads.

Answer: B, D, E

QUESTION: 543

Robert works as a Software Developer for InfoTech Inc. He develops an application named MyApp that uses SQL Server database and three database components. He wants to ensure that other developed applications cannot use these database components. Users should be authorized before they can access these components. Robert configures the database component assemblies to accomplish this task. Choose the correct actions that Robert should take after the configuration.

- A. True
- B. False

Answer: A

QUESTION: 544

You work as a Software Developer for uCertify Inc. The company uses Visual Studio.NET 2005 as its application development platform. You create a message queue named SecureQ using .NET Framework. The message queue requires each incoming message to be encrypted. You want to ensure that a message can be sent to SecureQ without an exception being thrown. What will you do to accomplish this task?

- A. Use the CryptoStream class to encrypt the Body property on the message.
- B. Set the HashAlgorithm property to a value from the HashAlgorithm enumeration on the message.
- C. Set the EncryptionAlgorithm property to a value from the EncryptionAlgorithm enumeration on the message.

D. Set the UseEncryption property to true on the message.

Answer: D

QUESTION: 545

Peter works as a Software Developer for PaulTech Inc. He develops an application for office management, using Visual C# .NET. He creates an OleDbConnection object, named Pcon. He wants to create an OleDbCommand object to retrieve employee details. Which of the following statements will Peter use to set the CommandText and Connection properties to accomplish the required task? Each correct answer represents a part of the solution. Choose three.

- A. OleDbCommand PCommand = new OleDbCommand("sp_GetDetails", PCon);
- B. PCommand.CommandType = "SELECT * FROM Employees";
- C. PCommand.Connection = Pcon;
- D. PCommand.CommandText = "SELECT * FROM Employees";
- E. PCommand.SetConnection(PCon);
- F. OleDbCommand PCommand = new OleDbCommand();

Answer: C, D, F

QUESTION: 546

You work as a Software Developer for uCertify Inc. The company uses Visual Studio.NET 2005 as its application development platform. You are creating a .NET remoting application using .NET Framework 2.0. The object of the application will be shared by multiple applications. You want to use simple, modular, extensible, and XML-based protocol to exchange messages between remoting applications. What will you do to accomplish the task?

- A. Use the BinaryFormatter class.
- B. Use client activated objects.
- C. Use the SoapFormatter class.
- D. Use the SOAP protocol.

Answer: C

QUESTION: 547

George works as a Software Developer for uCertify Inc. The company uses Visual Studio .NET 2005 as its application development platform. George creates an application using the .NET Framework. He writes the following code snippet in the application:

```
public class FirstClass
{
    public static int test=500;
}
public class SecondClass : FirstClass
{
    public static void Main(String[] args)
    {
        SecondClass mb=new SecondClass();
        mb.MyMethod();
    }
    public void MyMethod()
    {
        //Appropriate statement
    }
}
```

George wants to modify the value of the test variable in MyMethod to 1000. Which of the following code segments will he place in MyMethod to accomplish this task? Each correct answer represents a complete solution. Choose all that apply.

- A. base.test=1000;
- B. test=1000;
- C. FirstClass.test=1000;
- D. test=1000.00;

Answer: B, C

QUESTION: 548

You work as a Software Developer for Mansoft Inc. You create an application and use it to create users as members of the local Users group. Which of the following code snippets imperatively demands that the current user is a member of the local Users group? Each correct answer represents a complete solution. Choose all that apply.

A.
System.AppDomain.CurrentDomain.SetPrincipalPolicy(PrincipalPolicy.WindowsPrincipal
);
PrincipalPermission MyPermission = new PrincipalPermission(null, @"BUILTIN\Users",
true);
MyPermission.Demand();

B. PrincipalPermission MyPermission = new PrincipalPermission(null,
@"BUILTIN\Users",
true); MyPermission.Demand();

C.
System.AppDomain.CurrentDomain.SetPrincipalPolicy(PrincipalPolicy.WindowsPrincipal
);
PrincipalPermission MyPermission = new PrincipalPermission(null, @"Users", true);
MyPermission.Demand();

D. PrincipalPermission MyPermission = new PrincipalPermission(null, @"Users", true);
MyPermission.Demand();

Answer: A, C

QUESTION: 549

Charles works as a Web Developer for TechNet Inc. He develops an application named AdAgentsApp for advertising agents by using Visual Studio .NET. AdAgentsApp uses several Web services provided by the company. The employees in the IT department use only the existing port numbers 80 (HTTP protocol) and 443 (HTTPS protocol) for firewall security. However, they are forbidden to open any other new ports. These ports have been used to ensure the highest security level of authentication. Which of the following actions should Charles take to maintain the highest security? Each correct answer represents a part of the solution. Choose two.

- A. Use Windows Basic Authentication with SSL.
- B. Use Windows Digest Authentication.
- C. Use Custom Authentication.
- D. Send the encrypted information in SOAP headers.
- E. Use Windows Authentication with Client Certificates.

Answer: C, D

QUESTION: 550

You work as a Software Developer for uCertify Inc. The company uses Visual Studio .NET 2008 as its application development platform. You are creating an ASP.NET Web application using .NET Framework 3.5. You need to implement a system to monitor Service Level Agreement (SLA) compliance in the application. You are required to make a method to enable precise calculation of the time taken by all requests to process. What will you do to accomplish this?

- A. Implement a Timer component in the application. Calculate the elapsed time between the Start and Stop methods.
- B. Implement a base Web form for all the Web forms in the application. Calculate the elapsed time between the Load and Unload events.
- C. Create and register a custom HttpHandler.
- D. Create and register a custom HttpModule.

Answer: D

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