Microsoft

70-566-CSharp

UPGRADE- Transition your MCPD Windows Developer Skills to MCPD Windows Developer 3.5

QUESTION: 53
You create a Windows application by using the .NET Framework 3.5. You create a Windows user control in the application. The application contains the following code segment. (Line numbers are included for reference only.)
01 public struct FullName
02 {
03 public string FirstName { get; set; }
04 public string LastName { get; set; }
05 }
The user control has a property named UserName of the FullName type. You add the user control to a Windows form. During the design phase, the UserName property must be allowed to update the FirstName and LastName properties as comma-delimited values in the property window.You need to ensure that the properties in the FullName structure are represented as string values. What should you do?

A. Create a TypeConverter class for the FullName structure.
B. Override the ToString method for the FullName structure.
C. Implement the IFormattable interface for the FullName structure.
D. Implement the IConvertible interface for the FullName structure.

Answer: A

QUESTION: 54
You create a Windows application by using the .NET Framework 3.5. The application is used in a corporate environment to maintain the contact information of all employees. You create a Windows client application to browse through employee contacts information. All data is stored on a central Microsoft SQL Server 2008 database, and smart clients are deployed on each computer. You discover that users often browse through the same contacts data several times. You need to prevent unnecessary round trips to bind the data from the server. What should you do?

A. Use DataSet class to bind and store data in the client application
B. Use BindingNavigator.BindingSource class to navigate through data.
C. Use BindingSource.CurrentChanged event to retrieve the updated data.
D. Use System.Web.Caching.Cache class to temporarily store on a network file share.

Answer: A

QUESTION: 55
You are creating a Windows application by using the .NET Framework 3.5. The application is used to browse through purchase orders. The purchase order data is stored in a file on the local computer. The application synchronizes purchase order data with a central database by

using a Web service. You discover that other applications on the computer can access the purchase order data. You need to ensure that the purchase order data can be accessed only by the Windows application. What should you do?

A. Use the ZipPackage class to store the purchase order data
B. Use the RijndaelManaged class to encrypt the purchase order data.
C. Use the IsolatedStorageFileStream class to store the purchase order data.
D. Add the PrincipalPermission class to the method that reads the purchase order data.

Answer: B

QUESTION: 56
You create a Windows application by using the .NET Framework 3.5. The application is used by employees to submit timesheets and to generate reports. The application must contain a Managers role and an Employees role. You have the following security requirements:
Members of the Managers role can approve the timesheets.
Members of the Employees role can generate reports only if they are a member of the local administrators group.
Members of the Managers role can access the application from untrusted domains.
You need to design a security model to meet the design requirements. What should you do?

A. Define the Managers and Employees roles as custom roles in the database.
B. Define the Managers and Employees roles as local system roles.
C. Define the Employees role as a custom role in the database and the Managers role as a local system role.
D. Define the Managers role as a custom role in the database and the Employees role as a local system role.

Answer: D

QUESTION: 57
You are creating a Windows application by using the .NET Framework 3.5. Your company has an existing ASP.NET Web application that uses a Microsoft SQL Server 2008 data source. The application authenticates users by using the SqlRoleProvider and SqlMembershipProvider classes. You plan to design a strategy to authenticate users to the Windows application by using the same SQL Server 2008 data source. You need to implement the strategy by using minimum possible code. What should you do?

A. Implement a custom Web service that replicates the authentication services. Authenticate the users to the Web service.
B. Collect the user login credentials, and authenticate the users directly against the database. Use the login credentials to construct a principal used for authentication.

C. Use the HttpWebRequest class to post form data to the login page of the Web application. Create a principal by using the cookies that are returned. Use the principal for authentication.

D. Enable client application services. Set an authentication service location and a membership service location. Authenticate the users by calling the Membership.ValidateUser method.

Answer: D

QUESTION: 58
You create a Windows Forms application by using the .NET Framework 3.5. The application is used for audio/video management. The application provides the following features:
Usage license for music or video can be purchased from an online store.
Backup of music and video for disaster recovery can be done.
Custom playlists can be created to organize downloaded content.
The application has the following requirements:
A license file is required to play local music or video.
Users can access previously-purchased content from any computer that runs the application.
User theme settings for the UI might only be customized for each computer.
You need to design a state and data management strategy that meets the requirements. What should you do?

A. Store license files in the User.config file.Store content files on the online store database.Store custom playlists in the User.config file.Store theme settings on the online store database.
B. Store license files in the User.config file.Store content files in the local user isolated storage.Store custom playlists in the local user isolated storage.Store theme settings in the User.config file.
C. Store license files in the local user isolated storage and on the online store database.Store content files in the local user isolated storage.Store custom playlists in the User.config file.Store theme settings on the online store database.
D. Store license files in the local user isolated storage and on the online store database.Store content files in the local user isolated storage.Store custom playlists in the local user isolated storage.Store theme settings in the User.config file.

Answer: D

QUESTION: 59
You are creating a Windows application by using the .NET Framework 3.5. The application is used to retrieve information about musicians. The application uses LINQ to SQL to return an Artist object, and related Album objects for each artist. You plan to add a method named FindArtists. The method has parameters named ArtistName of type string and

IncludeAlbums of type boolean. The FindArtists method must meet the following requirements: If the IncludeAlbums parameter is set to True, then all the Album objects of the returned Artist object are populated. If the IncludeAlbums parameter is set to False, then all the Album objects of the returned Artist object are not populated. No duplicated data is returned. Data returned does not require additional processing on the client application. You need to ensure that changes to the client application are minimal. What should you do?

A. Utilize LINQ join operations to pre-fetch artist and album data. Combine them into a single result set.
B. Modify the DataContext.DeferredLoadingEnabled property to match the IncludeAlbums parameter.
C. Modify and use the LoadWith and AssociateWith methods of the DataContext. LoadOptions. DataLoadOptions property if the IncludeAlbums parameter is set to True.
D. Modify the return value of your method to return a multi-dimensional array of artists and albums. Iterate through the Artist object and populate the second dimension with album data.

Answer: C

QUESTION: 60
You are creating a Windows application by using the .NET Framework 3.5. The application is deployed by using the XCopy command. Updates to the application are made available through a Web site. The number of users of the application increases. You need to ensure that all users use the same version of the application. What should you do?

A. Change the application to use the ClickOnce deployment method.
B. Run the application from a universal naming convention (UNC) path.
C. Create a Microsoft Windows Installer (MSI) package for the application.
D. Write a bootstrap code that ascertains the availability of a new version of the application.

Answer: A

QUESTION: 61
You are creating a Windows application by using the .NET Framework 3.5.The application makes function calls to an unmanaged library to control the operation of a robot. You create a class that consumes significant memory during function calls to the unmanaged library. You discover that memory consumption increases over time. You need to ensure that the application consistently consumes minimum memory. What should you do?

A. Use the Finalize method.
B. Use the GC.Collect method.
C. Use the IDisposable interface.
D. Use the GC.SuppressFinalize method.

Answer: C

QUESTION: 62
You are creating a Windows application by using the .NET Framework 3.5. The application will be used to manage records of patients at the hospital. Each application form contains a TreeView control that displays a hierarchical list of patients. Items from the TreeView controls can be dragged to other controls on the form. Each form has a different layout. You discover that items from the TreeView controls of 10 forms cannot be dragged to other forms. You need to ensure that the TreeView controls across all forms in the application function appropriately. You want to achieve this goal by using minimum development effort. What should you do?

A. Create a user control that contains the TreeView control.Replace the TreeView control on each form in the application with the TreeView user control.
B. Create a single base form that inherits the System.Windows.Forms.Form class.Add a TreeView control to the base form.Modify each form in the application to inherit the base form.
C. Create a static class that contains a single method to create and return a TreeView control.Modify each form in the application to call the method.Add the TreeView control that is returned by the method to the controls collection of the forms.
D. Use the Singleton pattern to create a class that contains all events to be raised by each TreeView control in the application.Modify each application form to subscribe to the events on the Singleton class instead of the TreeView controls.Set the TreeView controls to use the Singleton class to raise events.

Answer: A

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