

Microsoft.Braindumps.70-518.v2014-08-21.by.ANGIE.50q

Number: 70-518
Passing Score: 700
Time Limit: 120 min
File Version: 12.5



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*Exam Name: Pro: Designing and Developing Windows Applications Using
Microsoft .NET Framework 4*

Braindumps

QUESTION 1

The application will be used by all employees of your company.

Local file stores on the computers are secure and inaccessible remotely.

You need to design a remote monitoring strategy to monitor the usage time of the application by each user.

Which of the following would you do?

- A. Create a trace log object and the Trace objects using the System Diagnostics element to trace startup, shutdown and user idle times throughout the application
- B. Create a trace log object by using the System Diagnostics element in the application configuration file. Add the Trace Source element for startup, shutdown and user idle events
- C. Use the System Management Instrumentation namespace to publish startup, Shutdown, and user idle time events of the application.
Publish the events to Microsoft Operations Manager
- D. Use the System Management Instrumentation namespace to issue event queries against methods that pass Progress Event and Stopped Event arguments.
Publish the events to the event log

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 2

Remote users have limited connectivity.

Users will not have write permissions to the local file system.

You plan to design the error logging strategy for the application.

You need to ensure that the application can collect error information.

You also need to ensure that the errors can be analyzed from a centralized location.

What should you do?

- A. Use the local log file
- B. Use the Microsoft Sync Framework
- C. Log the errors to a Web service
- D. Log the errors to the Windows System event log

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 3

The application includes multiple Windows Workflow Foundation (WF) hosts along with thousands of instances.

The application will continue to execute over extended periods of time.

You need to ensure that the performance of the application does not degrade over extended periods of time.

Which type of testing should you perform on the application?

- A. Stress testing
- B. Duration testing
- C. Functional testing
- D. Scalability testing

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 4

You are developing a Windows Presentation Foundation (WPF) application.

You need to recommend a testing strategy to identify the additional hardware resources that are necessary to support future projected growth.

Which testing strategy should you recommend?

- A. Load testing
- B. Stress testing
- C. Capacity testing
- D. Integration testing

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 5

You are developing a Windows Presentation Foundation (WPF) application.

During unit testing you identify several bottlenecks by using Windows Task Manager and Windows performance Monitor.

You need to recommend a system test strategy that will meet the following requirements:

- identify major application workloads
- identify the functions of the application that are most impacted

Which testing strategy should you recommend?

- A. Usability testing
- B. Security testing
- C. Stability testing
- D. Scalability testing

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 6

You are developing a Windows Presentation Foundation (WPF) application.

The application will use multiple worker threads and a single user interface thread.

You plan to design the exception-handling strategy for the application.

You need to ensure that all exceptions that occur will be handled.

What should you do?

- A. Use a DispatcherUnhandledExceptionEvent on the main thread
- B. Use a DispatcherUnhandledExceptionEvent on each worker thread

- C. Write an AppDomain UnhandledExceptionEvent handler
- D. Write a general catch block for the System Exception types after any specific catch statements on the main user interface thread

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 7

You are creating an application in Domain A that creates an application domain named Domain B

Code in Domain B throws an Application Exception

Code in Domain A throws an unhandled File Not Found Exception

You need to ensure that the exception thrown in Domain B is properly handled in Domain A

What should you do?

- A. Create a separate thread in Domain b to handle excpetions in Domain A
- B. Sign the assembly and register*
- C. Sign the asebmly and place * in the application folder
- D. Sign the assembly that contains the exception by using a strong name and deploy the assembly to the Global Assembly Cache (GAC)

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 8

You deploy an n-tier Windows client application.

The middle tier of the application will generate an XML file.

The XML file will be stored on a shared network drive and will be used by the user interface tier.

The UI tier will contain a method that accesses the Windows clipboard on client computers.

You plan to use Code Access Security (CAS) to secure the application.

You need to ensure that the application can run on Windows 7 client computers that have User Access Control (UAC) enabled.

Which two permission sets should you apply to the application during deployment?

- A. File 10
- B. File 100
- C. User Interface
- D. Directory Services
- E. Isolated Storage File

Correct Answer: AC

Section: (none)

Explanation

Explanation/Reference:

QUESTION 9

You have developed a Windows Presentation Foundation application with SQL Server 2008.

The application is deployed as an Xaml Browser Application (XBAP) and executes in the Internet Zone in IE. The application updates data in a SQL Server 2008 database. Users report that a security exception occurs when the application attempts to save data to the database. You need to design a solution to solve the problem. What should you do?

- A. Redesign the XBAP application by using partial trust
- B. Redesign the XBAP code to utilize stored procedures
- C. Design a WCF service tier to provide database access
- D. Design a data access layer that uses ASP.NET Entity Framework to communicate with the database by using the System.Data.SqlClient class.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 10

You are developing a Windows Presentation Foundation (WPF) application. You need to ensure that when the user attempts to run the application, the user cannot use the application W if a new version of the application is available. What should you do?

- A. Deploy the application using the X Copt technology
- B. Create a custom action within the MSI package to check for updates
- C. Use the Click Once technology along with the Search for updates during application startup setting
- D. Use a Background Worker object on an application load to connect to a Background Intelligent Transfer Service (BITS)

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 11

You are deploying a Windows Presentation Foundation application with SQL Server 2008. Your company is consolidating database servers. Your application uses a database and stored procedures. The application stores a large amount of data in the tempdb file. The database must be allocated two central processing units. The stored procedures employ three-pail naming. You need to deploy the database. Where should you deploy it?

- A. On a shared server on a shared instance
- B. On a shared server on a stand-alone instance
- C. On a stand-alone server on a shared instance
- D. On a stand-alone server on a stand-alone instance

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 12

You have developed a Windows Presentation Foundation application with SQL Server 2008.

The application runs successfully on a local client computer by using your user account.

You deploy the database of the application to the production server.

You configure the application connection string to use the Windows Authentication mode.

You deploy the application to several client computers that use other applications on the network.

The client computers access different databases on the production server by using the Windows Authentication mode.

Users report that the application is not working and that they receive a database connection exception.

You need to identify the source of the problem.

What is the source of the problem?

- A. The database is currently locked due to blocks
- B. The users do not have the correct database permissions
- C. The users do not have valid SQL Server 2008 database logins
- D. The client computers are not configured to use the network

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 13

You are developing a Windows Presentation Foundation (WPF) application.

The application contains a COM component.

You plan to deploy the application to several client computers by using read-only media.

You need to ensure that the COM component is registered during deployment of the application.

Which deployment technology should you use?

- A. XCopy
- B. Microsoft Windows Installer (MSI)
- C. Click Once along with full trust
- D. Click Once along with partial trust

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 14

You are developing a Windows Presentation Foundation (WPF) application.

The application will run in a partially trusted sandbox.

You plan to deploy the application on client computers by using the Click Once deployment technology.

You plan to sign the deployment and application manifest by using a trusted publisher certificate.

You need to ensure that the following requirements are met:

Users are not prompted for elevated permissions during application deployment

The application can request elevated permissions at runtime

Where should you install the trusted publisher certificate?

- A. In the trusted root store on the deployment server
- B. In the trusted publisher store on the deployment server
- C. In the trusted root store on each client computer
- D. In the trusted publisher store on each client computer

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 15

You are developing a Windows Presentation Foundation (WPF) application.

You plan to create an Author object that contains a Book property.

The Books property contains a large array of Books objects.

When users browse through author data in the application, they must be able to view all information related to books written by that author without additional queries.

You need to design a data access strategy that meets the requirement.

Which strategy should you use?

- A. Lazy Loading
- B. Eager Loading
- C. Optimistic Locking
- D. Pessimistic Locking

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 16

You are designing a sales and inventory tracking system.

The sales, inventory, and shipping tables will reside in different databases on different database servers.

You need to ensure that the tables are updated simultaneously.

What should you do?

- A. Use LINq to SQL
- B. Use Distributed transactions
- C. Use Microsoft Sync Framework
- D. Use the ADO NET Entity Framework

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 17

You are analyzing an application.

The application is used to maintain an inventory database and is accessed from several remote Windows client applications.

The application frequently updates multiple rows in a database table by using a DbDataAdapter object.

Users report that the application runs slowly during peak business hours.

When large number of records are changed by multiple users, you discover the following:

- The CPU utilization of the client applications is normal
- The network utilization increases slightly
- The CPU utilization of the database server remains close to the normal average for a day

You need to resolve the performance issue?

What should you do?

- A. Insert a random time interval between updates.
- B. Move the update method calls to a separate Background Worker thread
- C. Disable batch updates.
Modify the client application to perform a single update
- D. Remove any limit on batch update sizes.
Modify the client application to perform a single update

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 18

You are designing a data access layer (DAL) for an application.

Conflicts are occurring in the SQL Server database due to concurrent updates.

You need to design a database locking strategy that meets the following requirements:

- Resolves concurrent update conflicts without loss of data
- Ensures that data conflicts can be resolved by users
- Locks only the necessary data for updates

What should you do?

- A. Use optimistic locking.
Terminate the update when a DB Concurrency Exception occurs
- B. Use pessimistic locking.
Terminate the update when a DB Concurrency Exception occurs
- C. Use pessimistic locking.
Retry the failing update operation in the DB Concurrency Exception handler until it succeeds.
- D. Use optimistic locking.
In the DB Concurrency Exception handler, display the data of both original and updated records to the user.
Allow the user to resolve the conflicts.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 19

You are designing an application in the .net framework 4.0

The application is used mostly in a disconnected scenario.

The application requires offline data from a Microsoft Sql Server 2008 database.

When the application connects to the network, data will be modified and synchronized.

You need to ensure that the application does not access the database server directly to synchronize data when online.

Which technology should you use?

- A. WCF Data Service
- B. Remote Data Acces
- C. ADO.NET Sync Services
- D. SQL Server Merge Replication

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 20

The application will be used by a sales team to enter sales orders and update customer information.

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

- Allows users to enter sales orders while their computers are disconnected from the network
- Uploads sales orders to the server database when connected to the network
- Compiles against the .NET framework 4 client profile

What should you use?

- A. XML Files
- B. WCF Services
- C. Microsoft Sync Framework
- D. The System.Web.Caching namespace class

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 21

You are designing a Windows application.

You plan to implement control caching to imrove the loading time of a control.

It is not required to refresh the content of the control after the application loads.

The application will be compiled by using the .NET 4 client profile.

You need to ensure that the following requirements are met:

- The control is reusable in multiple forms
- Data in the control is cached when the application is loaded.

What should you do?

- A. In the load event of the application window, add code to load the control.
Save the control to an instance variable
- B. In the load event of the application window, add code to load the control.
Save the control to the cache by using objects in the System.Web.Caching namespace
- C. In the constructor of the application window, add code to load the control.
Save the control to a static variable
- D. In the constructor of the application window, add code to load the control.
Save the control to the cache by using objects in the System.Web.Caching namespace

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 22

You are developing a Windows Application.

The application contains a grid that displays customer data stored in a database table.

Users report that the grid takes a long time to display.

You plan to implement data caching to improve loading time for the grid.

You need to ensure that the cached data expires when the customer data is updated.

What should you do?

- A. Use the ADO.NET Entity Framework
- B. Use a static variable to store the Grid object
- C. Use the System.Web.Caching.Cache.Dependency class
- D. Use the System.Runtime.Caching.SqlChangeMonitor class

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 23

You are developing a Windows Application.

New features that require changes to be made to the database schema are added to the application every week.

You need to ensure that the changes made to the database schema do not require the application to be recompiled.

Which 2 actions should you perform?

- A. Modify the XML mapping file when the schema changes occur
- B. Modify the conceptual schema XML file when the schema changes occur
- C. Build a storage model and use it to access data from the business entities
- D. Build a conceptual model and use it to access data from the business entities

Correct Answer: AD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 24

The Windows application will consume a Windows Communication Foundation (WCF) service.

The WCF service will provide data to the application.

You plan to use the ADO.NET Entity Framework to create a data model that will be used by the application.

Other development team members make changes to the WCF service data contract.

You need to ensure that changes made to the WCF service data contract do not require the application to be recompiled.

What should you do?

- A. Create a conceptual model and a storage model based on the existing version of the WCF service
- B. Create a storage model based on the business model.
Use a class generated from the storage model for programming
- C. Create a storage model based on the schema of the existing WCF service.
Update the mapping file when the new version of the WCF service is available

- D. Create a conceptual model based on the business model.
Use a class generated from the conceptual model for programming
Update the mapping file when the new version of the WCF service is available

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 25

You are developing a Windows Presentation Foundation (WPF) application.

You have designed the application to use the ADO.NET Entity Framework for the Data Access Layer (DAL)

You have designed the user interface (UI) of the application using the Model-View-ViewModel (M-V-VM) pattern.

The middle tier of the application is designed by using Windows Communication Foundation (WCF).

The database schema changes often.

The DAL entity objects are required to be referenced from the middle tier and the View Model layer of the UI.

You need to ensure that the DAL entity objects are updated when the database schema changes.

What should you do?

- A. Create typed data sets
- B. Create persistent-aware objects
- C. Create persistent-ignorant objects
- D. Create an observable collection of objects

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 26

You are designing a Windows application.

You need to design a data access strategy that meets the following requirements:

- Automatically tracks changes
- Maps the database data model to the object model

Which data access technology should you use?

- A. LInq to SQL
- B. LINQ to XML
- C. ADO.NET Data Set
- D. ADO.NET Data Reader

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 27

You are designing a Windows application.

The application will store data in a SQL Server database instance.

You plan to use the Code Generation technology to develop data entities.

You need to ensure that the following requirements are met:

- When the application runs, a database must be created if it does not already exist
- When the database schema changes, data entities must be added dynamically

Which data access technology should you use?

- A. LINQ to SQL
- B. ADO.NET Data View
- C. ADO.NET Typed Data Sets
- D. ADO.NET Entity Framework

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 28

You are designing a Windows application.

The application accesses customer data stored on both Microsoft and non-Microsoft database servers.

You need to consume data from the multiple databases to display customer information

Which data access technology should you use?

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

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 29

You are developing a Windows application to manage customer data.

Data is stored in several geographically separated SQL Server databases.

Modifications to the database schema have caused the application to fail.

You need to ensure that schema modifications will not cause application failure.

Which data access methodology should you use?

- A. LINQ to SQL
- B. ADO.NET Entity Framework
- C. ADO.NET Data Table objects
- D. ADO.NET Data Reader objects

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 30

You are designing a Windows client application.

You create a Global Positioning System (GPS) navigation application.
Routing data is stored on a server.
A wireless data connection that has limited bandwidth allows the application to download data from the server.
The application continuously shows a perspective view of the route ahead as a user types their destination and selects a route they will follow.
You need to ensure that when the position or direction of the vehicle changes, the perspective view is updated immediately.
What should you do?

- A. Download perspective views asynchronously as JPEG images when the user moves toward the route.
- B. Compute the best route on the server.
Download the selected routing data as geographic coordinates before the routing begins.
- C. Compute all possible perspective views on the server, compress them as JPEG images, and download the images before the routing begins
- D. When a wireless connection is available, compute potential routes from the current position of the car and store the corresponding routing data on the client application.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 31

You are creating a Windows Presentation Foundation (WPF) application by using Microsoft .NET Framework 4.

You create a photo album-browsing application.

When the user opens an album, pictures in the album are displayed in sets of 10.

Pictures are obtained from a Windows Communication Foundation (WCF) service.

Most of the memory of the application is allocated in the native heap.

The memory usage of the application increases when new albums are opened.

You need to ensure that the memory usage of the application remains within a specific range.

What should you do?

- A. Use a reduced colour palette to render pictures
- B. Use the Net Top Binding to communicate with the WCF service.
- C. Load the pictures from the WCF service on a background thread. Implement the Disposable interface
- D. Assign the null value to every variable pointing to a picture that is not displayed. Implement the Disposable interface

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 32

You are creating a Windows Presentation Foundation (WPF) application by using Microsoft .NET Framework 4 and Microsoft SQL Server 2008.

You create a window that allows users to search for products that match a given name.

Search results are displayed when the user types each letter of the product name.

You use a method named Find Products to obtain the list of products.

Users report that when they type a letter of the product name, the window stops responding for a varying amount of time.

While the window stops responding, users cannot type more letters.
The window stops responding even when the search generates few results
You need to ensure that the window responds while users type a name.
What should you do?

- A. Cache the results returned by the Find Products method for each set of catena
- B. Use a Vitalizing Stack Panel class to display the list of client applications that match the given name
- C. Create a delegate for the Find Products method
Pass the delegate to the Invoke method of the Dispatcher property of the window
- D. Before you call the Find Products method, call the Freeze method on the Brush object that is used as the Background property of the window

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 33

You are debugging a Windows application that uses Windows Presentation Framework (WPF) and Microsoft Visual Studio 2010.

The application is deployed as an XAML browser application (XBAP).

Some users report that they are not able to use the drag-and-drop functionality.

You need to ensure that all users can use the drag-and-drop functionality.

What should you do?

- A. Use loose XAML.
- B. Require the Full Trust permission on the XBAP application.
- C. Add the URL for the application to the browser's trusted sites list.
- D. Register the assembly that contains the Data Object objects to the GAG on all client computers.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 34

You are designing an application by using Windows Presentation Foundation (WPF), Microsoft .NET Framework 4, and Microsoft SQL Server 2008.

The application will contain several forms that include custom data validates.

You need to ensure that data is validated before the database updates occur.

You also need to ensure that the validation logic can be reused.

How should you design the validation?

- A. Implement the Data Error info interface in the data class of the application.
Implement the Notify Property Changed interface in the data class of the application.
- B. "Subscribe to the Mouse Down event for all user interface (UI) components of the application.
"Perform data validation in the event handler and alert users when a data entry error occurs.
- C. "Subscribe to the Mouse Leave event for all user interface (UI) components of the application.
"Perform data validation in the event handler and alert users when a data entry error occurs.
- D. "Subscribe to the Text Changed event for all user interface (UI) components of the application.
"Perform data validation in the event handler and alert users when a data entry error occurs.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 35

You are designing an application by using Windows Presentation Foundation (WPF) and Microsoft .NET Framework 4.

The application is designed to allow novice users to enter data into a form.

If a user enters invalid data into an input control, the control blinks between two colors.

You need to ensure that the blinking visual feature can be applied to other controls without writing any additional code.

What should you do?

- A. Create a timer.
- B. Create a shared style.
- C. Create a WPF behavior.
- D. Use a merged resource dictionary.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 36

The application allows users to view product details.

Product managers can modify the product details for the products that they manage.

You plan to design the application by using the Model-View-View Model (M-V-VM) pattern.

You need to ensure that the product details can be viewed by all users and modified only by product managers.

What should you do?

- A. In the View Model, hide all input controls if the user's role is not a Product Manager.
- B. In the View Model, disable all input controls if the user's role is a Product Manager.
- C. "Create a separate window to modify data.
"Create a separate window to view data.
- D. "Create a separate Stack Panel in the window to modify data.
"Create a separate Stack Panel in the window to view data.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 37

You are designing an application by using Windows Presentation Foundation (WPF) and Microsoft .NET Framework 4.

The application retrieves customer data from an enterprise resource planning (ERP) system.

You need to ensure that the following requirements are met:

- "Customer data is retrieved only once.
- "Customer data is available on multiple forms within the application.

- "Forms can implement Two-Way binding to the customer data
What should you do?

- A. Store the results of the query in a static Data Table object that is used by all the forms.
- B. Store the results of the query in a local XML file.
Bind all forms to an XML Data Adapter object that references the local XML file.
- C. Design a static class for the data that implements the Observable interface.
Subscribe to the static class from each of the forms that use the data
- D. Design a static class for the data that implements the Notify Property Changed interface.
Raise the Property Changed event to notify the forms when data is changed.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 38

You are designing an application by using Windows Presentation Foundation (WPF) and Microsoft .NET Framework 4.

The application consists of multiple data entry screens.

You need to ensure that users can return to previous screens.

You also need to ensure that users can view a history of screens.

What should you do?

- A. Create buttons to allow a user to open a new Window for the data entry screens.
- B. Create buttons to allow a user to open a new Window as an MDI child window for the data entry screens.
- C. Create hyperlinks to allow a user to move between data entry screens.
Use the Navigation Service class to manage navigation history.
- D. Create hyperlinks to allow a user to move between data entry screens.
Use the Navigation Progress Event Rags class to manage navigation history.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 39

You are designing an application by using Windows Presentation Foundation (WPF) and Microsoft NET Framework 4.

The application will run on Windows 7-based kiosks that are located indoors and outdoors.

The kiosk displays have a photo sensor that will update the application with the current ambient luminosity.

You need to ensure that the user interface (UI) of the application dynamically changes the application theme based on the ambient luminosity.

What should you use?

- A. A Visual Brush control to paint the UI
- B. A Render Transform control applied to the root canvas
- C. A visual state manager to add Visual State Group objects
- D. An attached behavior to change a merged resource dictionary

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 40

You are designing an application by using Windows Presentation Foundation (WPF) and Microsoft .NET Framework 4.

The user interface (UI) tier of the application will be implemented by using WPF.

The middle tier of the application will be implemented by using Windows Communication Foundation (WCF).

The middle tier will contain several methods that update data in a remote database.

The middle tier will also contain a long-running method named Process Data.

The Process Data method performs database operations and can take several minutes to complete.

You need to ensure that the UI of the application can continue to call other methods while the Process Data method is running.

What should you do?

- A. Implement the Process Data method by using Windows Workflow Foundation (WF).
- B. Implement the Process Data method by using the Invoke method on the Dispatcher class.
- C. Call the Run method of the Dispatcher class before invoking the Process Data method.
- D. Call the DoEvents method of the Application class before invoking the Process Data method.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 41

You are designing an application by using Windows Presentation Foundation (WPF) and Microsoft .NET Framework 4.

You create a control named Help Viewer to view the Help documentation of the application.

The Help Viewer control must be available to all windows in the application.

You need to ensure that the application allows users to perform the following tasks:

- "Bookmark their location in the documentation and return to the bookmark from any window"
- "Hide the Help Viewer control"
- "Dock the Help Viewer control"

You create a main window as a base class.

What should you do next?

- A. "Add the Help Viewer control to the window at runtime"
"inherit all other window classes in the application from the main window base class"
- B. "Add the Help Viewer control to a Dock Panel control at runtime"
"inherit all other window classes in the application from the main window base class"
- C. "Add the Help Viewer control and a Frame control to a Dock Panel control to the window at runtime"
"Create all other windows in the application as pages and host them in the Frame control"
- D. "Add the Help Viewer control and a Frame control to a Stack Panel control to the window at runtime"
"Create all other windows in the application as pages and host them in the Frame control."

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 42

You are developing an application by using Windows Forms and Microsoft NET Framework 4.

The user interface (UI) of the application can be resized.

You need to ensure that the images in the application scale to the entire height and width of the UI without degradation.

What should you do?

- A. Convert the images to PNG format.
- B. Use a Picture Box control.
Set the Size Mode property to use auto-sizing.
- C. Use an Element Host control.
Convert the images to XAML-based images.
- D. Use a Picture Box control.
Add events to resize the control based on the size of the main UI form.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 43

You are designing an application by using Microsoft NET Framework 4 and Microsoft Visual Studio 2010.

Your development team consists of designers and C# developers.

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

- Kit allows separation of user interface (UI) code and business logic.
- "tt allows the UI to be data-bound without requiring a code-behind file.

Which technology should you use?

- A. Windows Forms along with Model View Presenter (MVP)
- B. Windows Forms without Model View Presenter (MVP)
- C. Windows Presentation Foundation (WPF) along with Model-View-View Model (M-V-VM)
- D. Windows Presentation Foundation (WPF) without Model-View-View Model (M-V-VM)

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 44

You are designing a Windows application by using Microsoft .NET Framework 4 and Microsoft Visual Studio 2010. practice exams.

Practice exams also include self assessment and reporting features 27

You need to use a replacement culture for the application at runtime.

You also need to ensure that the information in the custom culture will be available to the application.

Which two tasks should you perform?

(Each correct answer presents part of the solution. Choose two.)

- A. Restart the process that is displaying the user interface.
- B. Call the Save method of the Culture And Region Info Builder class instance.
- C. Register the replacement culture by using the Culture info class.

D. Register the replacement culture by using the Culture And Region info Builder class.

Correct Answer: AD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 45

You are designing an application by using Microsoft NET Framework 4 and Microsoft Visual Studio 2010.

The application will store data that includes a time and date stamp.

The middle tier of the application is implemented by using Windows Communication Foundation (WCF).

The middle tier connects to geographically separated database servers.

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

- "Data stored contains time and date information local to the database server.
- "Data stored contains Universal Coordinated Time (UTC).

Which class should you use?

- A. Date Time
- B. DateTimeOffset
- C. Time Zone
- D. Time Zone info

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 46

You are designing an application by using Windows Presentation Foundation (WPF) and Microsoft .NET Framework 4.

The user interface (UI) tier of the application will be implemented in WPF.

The middle tier of the application is implemented by using an existing COM component

The middle tier contains a long-running method named Process Data.

You need to ensure that users can continue to use the UI while Process Data is running.

What should you do?

- A. Use an asynchronous worker thread to call Process Data.
- B. Use the Invoke method of the Dispatcher class to call Process Data.
- C. Call the Run method of the Dispatcher class before invoking Process Data.
- D. Call the Do Events method of the Application class before invoking Process Data

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 47

You are designing a Windows application by using Microsoft NET Framework 4 and Microsoft Visual Studio 2010.

The business logic layer of the application is implemented by using Windows Communication Foundation

(WCF).

You create a duplex bidirectional WCF service that contains a single operation.

The service operation sends the result back to the client application by using a two-way callback operation.

You plan to design a service interaction strategy.

You need to ensure that deadlocks are prevented.

What should you do?

- A. Configure the Service Behavior attribute to use the Synchronization context in the service class.
- B. Configure the Callback Behavior attribute to use the Synchronization context in the callback class.
- C. Configure the Service Behavior attribute to use the Reentrant or Multiple concurrency mode in the service class.
- D. Configure the Callback Behavior attribute to use the Reentrant or Multiple concurrency mode in the callback class

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 48

You are creating a Windows application by using Microsoft NET Framework 4 and Microsoft

Visual Studio 2010

The business logic layer of the application is implemented by using Windows Communication Foundation (WCF).

You create a WCF service that contains a single operation to upload large binary data files

You configure the binding of the WCF service to enable data streaming

You need to ensure that the WCF service operation receives binary data files along with a string parameter that contains the description of each file

You create a service operation that receives a single parameter.

What should you do next?

- A. Implement the service parameter as a Fertilizable class that contains a property for the description of the file and another property for the content of the data file
- B. Implement the service parameter as a Data Contract class that contains a Data Member property for the description of the file and another Data Member property for the content of the data file
- C. Implement the service parameter as a Message contract class that contains a Message Header property for the description of the file and a Message Body Member property for the content of the data file
- D. Implement the service parameter as a Message Contract class that contains a Message Body Member property for the description of the file and another Message Body Member property for the content of the data file

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 49

You are designing a Windows application by using Microsoft NET Framework 4, Microsoft

Visual Studio 2010, and Microsoft SQL Server 2008

You plan to create a Windows Communication Foundation (WCF) service.

The service will query a SQL Server database.

The database will be replicated to four geographically separated database instances.

You need to ensure that the WCF service meets the following requirements

- "It allows additional database instances to be added
- "It routes users to the closest database server.

What should you do?

- A. Implement context-based filtered routing
- B. Implement content-based filtered routing
- C. Store each database connection string in a local database instance.
- D. Add each database server connection string to the Web configure

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 50

You are creating a Windows application by using Microsoft NET Framework 4 and Microsoft Visual Studio 2010

The business logic layer of the application is implemented by using Windows Communication Foundation (WCF).

You create a WCF service that contains a single operation to upload large binary data files

You configure the binding of the WCF service to enable data streaming

You need to ensure that the WCF service operation receives binary data files along with a string parameter that contains the description of each file

You create a service operation that receives a single parameter.

What should you do next?

- A. Implement the service parameter as a Fertilizable class that contains a property for the description of the file and another property for the content of the data file
- B. Implement the service parameter as a Data Contract class that contains a Data Member property for the description of the file and another Data Member property for the content of the data file
- C. Implement the service parameter as a Message contract class that contains a Message Header property for the description of the file and a Message Body Member property for the content of the data file
- D. Implement the service parameter as a Message Contract class that contains a Message Body Member property for the description of the file and another Message Body Member property for the content of the data file

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference: