

PrepKing

Number: 70-502

Passing Score: 700

Time Limit: 120 min

File Version: 8.5



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PrepKing - 70-502

Exam A

QUESTION 1

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5. You create a window for the application. You need to ensure that the following requirements are met:

- An array of strings is displayed by using a ListBox control in a two-column format.
- The data in the ListBox control flows from left to right and from top to bottom.

Which ListBox control would you use?

A. <ListBox Name="myList">
 <ListBox.ItemsPanel>
 <ItemsPanelTemplate>
 <UniformGrid Columns="2" />
 </ItemsPanelTemplate>
 </ListBox.ItemsPanel>
</ListBox>

Use the following C# code to associate the array of strings to the ListBox control.

```
myList.ItemsSource = arrayOfString
```

B. <ListBox Name="myList">
 <ListBox.ItemsPanel>
 <ItemsPanelTemplate>
 <StackPanel />
 </ItemsPanelTemplate>
 </ListBox.ItemsPanel>
</ListBox>

Use the following C# code to associate the array of strings to the ListBox control.

```
myList.ItemsSource = arrayOfString
```

C. <ListBox Name="myList">
 <ListBox.ItemsPanel>
 <ItemsPanelTemplate>
 <WrapPanel />
 </ItemsPanelTemplate>
 </ListBox.ItemsPanel>
</ListBox>

Use the following C# code to associate the array of strings to the ListBox control.

```
myListView.ItemsSource = arrayOfString
```

D. <ListBox Name="myList">
 <ListBox.ItemsPanel>
 <ItemsPanelTemplate>
 <Grid>
 <Grid.ColumnDefinitions>
 <ColumnDefinition />
 <ColumnDefinition />
 </Grid.ColumnDefinitions>
 </Grid>
 </ItemsPanelTemplate>
 </ListBox.ItemsPanel>
</ListBox>

Use the following C# code to associate the array of strings to the ListBox control.

```
myList.ItemsSource = arrayOfString
```

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 2

You create a form by using Windows Presentation Foundation and Microsoft .NET Framework 3.5. The form

contains a status bar.

You plan to add a ProgressBar control to the status bar. You need to ensure that the ProgressBar control displays the progress of a task for which you cannot predict the completion time. Which code segment should you use?

- A. progbar.IsIndeterminate = true
- B. progbar.IsIndeterminate = false
- C. progbar.HasAnimatedProperties = true
- D. progbar.HasAnimatedProperties = false

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 3

You are converting a Windows Forms application to a Windows Presentation Foundation (WPF) application. You use Microsoft .NET Framework 3.5 to create the WPF application.

The WPF application will reuse 30 forms of the Windows Forms application. The WPF application contains the following class definition.

```
public class OwnerWindow : System.Windows.Forms.IWin32Window
{
    private IntPtr handle_Renamed;
    public IntPtr Handle
    {
        get { return handle_Renamed; }
        set { handle_Renamed = value; }
    }
}
```

You write the following code segment in the WPF application.

(Line numbers are included for reference only.)

```
01 public System.Windows.Forms.DialogResult LaunchWindowsFormsDialog
(System.Windows.Forms.Form dialog, Window wpfParent)
02 {
03     System.Windows.Interop.WindowInteropHelper helper = new
System.Windows.Interop.WindowInteropHelper(wpfParent);
04     OwnerWindow owner = new OwnerWindow();
05
06 }
```

You need to ensure that the application can launch the reusable forms as modal dialogs.

Which code segment should you insert at line 05?

- A. owner.Handle = helper.Owner;
 DialogResult db = new DialogResult();
 return db;
- B. owner.Handle = helper.Owner
 return dialog.ShowDialog(owner);
- C. owner.Handle = helper.Owner ;
 Nullable<bool> result = wpfParent.ShowDialog();
 if (result.HasValue)
 {
 if (result.value)
 return System.Windows.Forms.DialogResult.OK;

```

        else
            return System.Windows.Forms.DialogResult.Cancel;
    }
else
{
    return System.Windows.Forms.DialogResult.Cancel;
}
D. owner.Handle = helper.Handle;
Nullable<bool> result = wpfParent.ShowDialog();
if (result.HasValue)
{
    if (result.value)
        return System.Windows.Forms.DialogResult.OK;
    else
        return System.Windows.Forms.DialogResult.Cancel;
}
else
{
    return System.Windows.Forms.DialogResult.Cancel;
}

```

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 4

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5. You create a window in the application. You plan to select a layout control to host the elements that you add to the window.

You need to select a control that meets the following requirements with its default properties:

1. The elements stretch horizontally to occupy the available width of the window.
2. The elements do not stretch vertically.

Which control should you use?

- A. The Grid control
- B. The Canvas control
- C. The WrapPanel control
- D. The StackPanel control

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 5

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5.

You need to perform the following tasks:

- Add a control to a window by using the following XAML code fragment.
`<local:RedTextControl Background="Yellow" />`
- Ensure that the background color of the control is yellow.
- Ensure that the foreground color is red

What should you do?

A. Add the following code segment to a code-behind file.

```
public class RedTextControl : ContentControl
{
    public void RedTextControl()
    {
        TextBlock tb = new TextBlock();
        tb.Foreground = Brushes.Red;
        tb.Text = "Hello";
        this.AddChild(tb);
    }
}
```

B. Add the following code segment to a code-behind file.

```
public class RedTextControl : Control
{
    public void RedTextControl()
    {
        TextBlock tb = new TextBlock() ;
        tb.Foreground = Brushes.Red ;
        tb.Text = "Hello" ;
        this.AddLogicalChild(tb) ;
    }
}
```

C. Add the following XAML code fragment to an XAML file.

```
<UserControl x:Class="RedTextControl" xmlns="..." xmlns:x="...">
<DockPanel>
    <TextBlock Foreground="Red" Text="Hello" />
</DockPanel>
</UserControl>
```

Add the following code segment to a code-behind file.

```
internal partial class RedTextControl
{
    public void RedTextControl()
    {
        InitializeComponent();
        Background.CoerceValue(TextBlock.BackgroundProperty);
    }
}
```

D. Add the following XAML code fragment to an XAML file.

```
<UserControl x:Class="RedTextControl" xmlns="..." xmlns:x="...">
<DockPanel>
    <TextBlock Foreground="Red" Text="Hello" />
</DockPanel>
</UserControl>
```

Add the following code segment to a code-behind file.

```
internal partial class RedTextControl : UserControl
{
    public void RedTextControl()
    {
        InitializeComponent();
    }
}
```

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 6

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5. You plan to add a Button control to a Canvas control. You need to ensure that exactly 10 device-independent pixels are present between the right side of the Button control and the right side of the Canvas control. Which XAML code fragment should you use?



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- A.

```
<Canvas Margin="10">
    <Button>I'm a button</Button>
</Canvas>
```
- B.

```
<Canvas>
    <Button Canvas.Left="10" Canvas.Right="10">I'm a button</Button>
</Canvas>
```
- C.

```
<Canvas Margin="10">
    <Button HorizontalAlignment="Right">I'm a button</Button>
</Canvas>
```
- D.

```
<Canvas>
    <Button Canvas.Top="10" Canvas.Right="10">I'm a button</Button>
</Canvas>
```

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 7

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5. You create a dialog window composed of a TextBox control and a Button control by using the following XAML code fragment.

```
<TextBox Width="200" AcceptsReturn="True" />
<Button Width="80" Click="Button_Click">OK</Button>
```

You need to ensure that each time the user presses the ENTER key, the click event of the OK button is raised. Which two actions should you perform? (Each correct answer presents part of the solution.)

- A. Add the IsDefault="True" attribute to the Button element.
- B. Add the IsTabStop="True" attribute to the Button element.
- C. Add the IsHitTestVisible="True" attribute to the Button element.
- D. Add the Focusable="False" attribute to the TextBox element.
- E. Add the AcceptsTab="True" attribute to the TextBox element.
- F. Set the AcceptsReturn attribute value of the TextBox element to False.

Correct Answer: AF

Section: (none)

Explanation

Explanation/Reference:

QUESTION 8

You are creating a Windows Presentation Foundation (WPF) application by using Microsoft .NET Framework 3.5.

You plan to implement a search functionality for a text editor. You write the following code segment for the WPF screen.

```
<DockPanel>
    <WrapPanel DockPanel.Dock="Top">
        <TextBox Name="tbxTextToFind" Width="200" />
        <Button Name="btnFind" Width="80" Click="btnFind_Click">Find</Button>
    </WrapPanel>
    <RichTextBox Name="rtbText" />
</DockPanel>
```

You need to ensure that on clicking the Find button, the value of the tbxTextToFind text box is selected in the rtbText control.

Which code segment should you use?

- A.

```
FlowDocument doc = rtbText.Document;
string text = (new TextRange(doc.ContentStart, doc.ContentEnd)).Text;
int index = text.IndexOf(tbxTextToFind.Text);
TextPointer start = doc.ContentStart.GetPositionAtOffset(index);
TextPointer end = start.GetPositionAtOffset(tbxTextToFind.Text.Length);
rtbText.Selection.Select(start, end);
```
- B.

```
TextPointer cur = rtbText.Document.ContentStart;
while (cur != null)
{
    TextPointer end = cur.GetPositionAtOffset(tbxTextToFind.Text.Length);
    if (end != null )
    {
        TextRange search = new TextRange(cur, end);
        if (search.Text == tbxTextToFind.Text)
        {
            rtbText.Selection.Select(search.Start, search.End);
            break;
        }
    }
    cur = cur.GetNextContextPosition(LogicalDirection.Forward);
}
```
- C.

```
TextPointer cur = rtbText.Document.ContentStart;
while (cur != null)
{
    TextPointer end = cur.GetPositionAtOffset(tbxTextToFind.Text.Length);
    if (end != null )
    {
        TextRange search = new TextRange(cur, end);
        if (search.Text == tbxTextToFind.Text)
        {
            rtbText.Selection.Select(search.Start, search.End);
            break;
        }
    }
    cur = cur.GetNextInsertionPosition(LogicalDirection.Forward);
}
```
- D.

```
FlowDocument doc = rtbText.Document;
string text = (new TextRange(doc.ContentStart, doc.ContentEnd)).Text;
int index = text.LastIndexOf(tbxTextToFind.Text);
TextPointer start = doc.ContentStart.GetPositionAtOffset(index + 1);
TextPointer end = start.GetPositionAtOffset(tbxTextToFind.Text.Length);
```

```
rtbText.Selection.Select(start, end);
```

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 9

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5.

You plan to add a Button control and a StatusBar control to a window.

You need to ensure that the two controls meet the following requirements:

- The StatusBar control sticks to the lower edge of the window.
- The Button control has the minimum required size to display its content.

Which XAML code fragment should you use?

- A. <DockPanel>
 <StatusBar DockPanel.Dock="Bottom">Information</StatusBar>
 <Button>OK</Button>
</DockPanel>
- B. <StackPanel>
 <Button>OK</Button>
 <StatusBar>Information</StatusBar>
</StackPanel>
- C. <WrapPanel Orientation="Vertical">
 <Button>OK</Button>
 <StatusBar>Information</StatusBar>
</WrapPanel>
- D. <DockPanel LastChildFill="False" >
 <WrapPanel DockPanel.Dock="Top" >
 <Button>OK</Button>
 </WrapPanel>
 <StatusBar DockPanel.Dock="Bottom">Information</StatusBar>
</DockPanel>

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 10

You have created a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5.

The application, named EnterpriseApplication.exe, runs over the network.

You add the WindowSize parameter and the WindowPosition parameter to the Settings.settings file by using the designer at the User Scope Level.

The dimensions and position of the window are read from the user configuration file.

The application must retain the original window size and position for users executing the application.

You need to ensure that the following requirements are met:

- The window dimensions for each user are saved in the user configuration file.
- User settings persist when a user exits the application.

Which configuration setting should you use?

- A. private void OnClosing(object sender, System.ComponentModel.CancelEventArgs e)
{
 Properties.Settings.Default.WindowPosition = new Point(this.Left, this.Top);
 Properties.Settings.DefaultWindowSize = new Size(this.Width, this.Height);

```

        Properties.Settings.Default.Save();
    }
B. private void OnClosing(object sender, System.ComponentModel.CancelEventArgs e)
{
    RegistryKey appKey = Registry.CurrentUser.CreateSubKey("Software\" +
EnterpriseApplication");
    RegistryKey settingsKey = appKey.CreateSubKey("WindowSettings");
    RegistryKey windowPositionKey = settingsKey.CreateSubKey("WindowPosition");
    RegistryKey windowHeightKey = settingsKey.CreateSubKey("WindowSize");
    windowPositionKey.SetValue("X", this.Left);
    windowPositionKey.SetValue("Y", this.Top);
    windowHeightKey.SetValue("Width", this.Width);
    windowHeightKey.SetValue("Height", this.Height);
}
C. private void OnClosing(object sender, System.ComponentModel.CancelEventArgs e)
{
    System.Xml.XmlDocument doc = new System.Xml.XmlDocument();
    doc.Load("EnterpriseApplication.exe.config");
    System.Xml.XmlNode nodePosition = doc.SelectSingleNode("//setting
[@name='WindowPosition']");
    nodePosition.ChildNodes[0].InnerText = string.Format("{0},{1}", this.Left,
this.Top);
    System.Xml.XmlNode nodeSize = doc.SelectSingleNode("//setting
[@name='WindowSize']");
    nodeSize.ChildNodes[0].InnerText = string.Format("{0},{1}", this.Width,
this.Height);
    doc.Save("UserConfigDistractor2.exe.config");
}
D. private void Window_Closing(object sender,
System.ComponentModel.CancelEventArgs e)
{
    StreamWriter sw = new StreamWriter("EnterpriseApplication.exe.config", true);
    sw.WriteLine("<EnterpriseApplication.Properties.Settings>");
    sw.WriteLine("<setting name=\"WindowSize\" serializeAs=\"String\">");
    sw.WriteLine(string.Format("<value>{0},{1}</value>", this.Width,
this.Height));
    sw.WriteLine("</setting>");
    sw.WriteLine("<setting name=\"WindowPosition\" serializeAs=\"String\">");
    sw.WriteLine(string.Format("<value>{0},{1}</value>", this.Left, this.Top));
    sw.WriteLine("</setting>");
    sw.WriteLine("</UserConfigProblem.Properties.Settings>");
    sw.Close();
}

```

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 11

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5.

You add a CommandBinding element to the Window element. The command has

a keyboard gesture CTRL+H. The Window contains the following MenuItem control.

<MenuItem Header="Highlight Content" Command="local:CustomCommands.Highlight" />

You need to ensure that the MenuItem control is disabled and the command is not executable when the focus shifts to a TextBox control that does not contain any text.

What should you do?

- Set the IsEnabled property for the MenuItem control in the GotFocus event handler for the TextBox

- controls.
- B. Set the CanExecute property of the command to Highlight_CanExecute. Add the following method to the code-behind file for the window.
- ```
private void Highlight_CanExecute(object sender, CanExecuteRoutedEventArgs e)
{
 TextBox txtBox = (TextBox)sender;
 e.CanExecute = (txtBox.Text.Length > 0);
}
```
- C. Set the CanExecute property of the command to Highlight\_CanExecute. Add the following method to the code-behind file for the window.
- ```
private void Highlight_CanExecute(object sender, CanExecuteRoutedEventArgs e)
{
    TextBox txtBox = (TextBox)e.Source;
    e.CanExecute = (txtBox.Text.Length > 0);
}
```
- D. Set the CanExecute property of the command to Highlight_CanExecute. Add the following method to the code-behind file for the window.
- ```
private void Highlight_CanExecute(object sender, CanExecuteRoutedEventArgs e)
{
 MenuItem Menu = (MenuItem)e.Source ;
 TextBox txtBox = (TextBox)Menu.CommandTarget;
 Menu.IsEnabled = (txtBox.Text.Length > 0);
}
```

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 12

You plan to create an application by using Microsoft .NET Framework 3.5 and Microsoft Visual Studio 2008. You need to ensure that the application meets the following requirements:

- The entire application user interface is designed by using XAML.
- The application runs by default under the FullTrust permission set on the client computer.

Which type of application should you use?

- A. Windows Service application
- B. Windows Forms application
- C. Windows Presentation Foundation application
- D. Windows Presentation Foundation Browser application

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 13

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5. The application defines a BrowserWindow class. Each instance of the BrowserWindow class allows the user to browse a Web site in a separate window.

When a new browser window is opened, the user is redirected to a predefined URL.

You write the following code segment.

```
01 private void OpenNewWindow(object sender, RoutedEventArgs e)
```

```

02 {
03 Thread newWindowThread = new Thread(new ThreadStart(NewThreadProc));
04
05 newWindowThread.Start();
06 }
07 private void NewThreadProc()
08 {
09
10 }

```

You need to ensure that the following requirements are met:

- The main window of the application is not blocked when an additional browser window is created.
- The application completes execution when the main window of the application is closed.

What should you do?

- A. Insert the following code segment at line 04.

```

newWindowThread.SetApartmentState(ApartmentState.STA);
newWindowThread.IsBackground = true;

```

Insert the following code segment at line 09.

```

BrowserWindow newWindow = new BrowserWindow();
newWindow.Show();
Application app = new Application();
app.Run(newWindow);

```

- B. Insert the following code segment at line 04.

```

newWindowThread.IsBackground = true;

```

Insert the following code segment at line 09.

```

newWindowThread.SetApartmentState(ApartmentState.STA);
BrowserWindow newWindow = new BrowserWindow();
newWindow.Show();
Application app = new Application();
app.Run(newWindow);

```

- C. Insert the following code segment at line 04.

```

newWindowThread.SetApartmentState(ApartmentState.STA);
newWindowThread.IsBackground = false;

```

Insert the following code segment at line 09.

```

BrowserWindow newWindow = new BrowserWindow();
System.Windows.Threading.Dispatcher.Run();
newWindow.Show();

```

- D. Insert the following code segment at line 04.

```

newWindowThread.SetApartmentState(ApartmentState.STA);
newWindowThread.IsBackground = true;

```

Insert the following code segment at line 09.

```

BrowserWindow newWindow = new BrowserWindow();
newWindow.Show();
System.Windows.Threading.Dispatcher.Run();

```

**Correct Answer: D**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

#### **QUESTION 14**

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5. The application contains a custom event handler. You need to ensure that the custom event handler always

executes when the event occurs, even if the Handled property is set to true.  
What should you do?

- A. Set the HandledEventsToo property to true in the event definition code segment.
- B. Set the HandledEventsToo property to false in the event definition code segment.
- C. Set the HandledEventsToo property to true in the event definition XAML code fragment.
- D. Set the HandledEventsToo property to false in the event definition XAML code fragment.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 15

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5.

You write the following code segment

(Line numbers are included for reference only).

```
01 object content;
02 string fileName = "theFile";
03 using (FileStream xamlFile = new FileStream(fileName + ".xaml", FileMode.Open,
FileAccess.Read))
04 {
05 content = (object)XamlReader.Load(xamlFile);
06 }
07 using (Package container = Package.Open(fileName + ".xps", FileMode.Create))
08 {
09
10 }
```

You need to ensure that the following requirements are met:

- The application converts an existing flow document into an XPS document.
- The XPS document is generated by using the flow document format.
- The XPS document has the minimum possible size.

Which code segment should you insert at line 09?

- A. 

```
using (XpsDocument xpsDoc = new XpsDocument(container,
CompressionOption.SuperFast))
{
 XpsSerializationManager rsm = new XpsSerializationManager(new
XpsPackagingPolicy(xpsDoc), false) ;
 rsm.SaveAsXaml(paginator);
}
```
- B. 

```
using (XpsDocument xpsDoc = new XpsDocument(container,
CompressionOption.SuperFast))
{
 XpsSerializationManager rsm = new XpsSerializationManager(new
XpsPackagingPolicy(xpsDoc), false);
 rsm.Commit();
}
```
- C. 

```
using (XpsDocument xpsDoc = new XpsDocument(container,
CompressionOption.Maximum))
{
 XpsSerializationManager rsm = new XpsSerializationManager(new
XpsPackagingPolicy(xpsDoc), false);
 DocumentPaginator paginator = ((IDocumentPaginatorSource)
content).DocumentPaginator;
 rsm.SaveAsXaml(paginator);
```

```

 }

D. using (XpsDocument xpsDoc = new XpsDocument(container,
 CompressionOption.SuperFast))
{
 XpsSerializationManager rsm = new XpsSerializationManager(new
 XpsPackagingPolicy(xpsDoc), false);
 DocumentPaginator paginator = ((IDocumentPaginatorSource)
content).DocumentPaginator;
 rsm.SaveAsXaml(paginator);
}

```

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 16

You are creating a Windows Presentation Foundation application. You create a window for the application. The application contains an audio file named AudioFileToPlay.wav.

You need to ensure that the following requirements are met:

- The audio file is played each time you click the client area of the window.
- The window provides optimal performance when the audio file is being played.

What should you do?

- A. Add the following XAML line of code to the window.

```
<MediaElement Source="AudioFileToPlay.wav" />
```

- B. Add the following code segment to the window constructor method in the code-behind file.

```
SoundPlayer player = new SoundPlayer()
player.SoundLocation = "AudioFileToPlay.wav"
player.Play()
```

- C. Add the following code segment to the window MouseDown method in the code-behind file.

```
MediaElement player = new MediaElement();
player.Source = new Uri("AudioFileToPlay.wav", UriKind.Relative);
player.LoadedBehavior = MediaState.Manual;
player.Play();
```

- D. Add the following XAML code fragment to the window.

```
<Window.Triggers>
 <EventTrigger RoutedEvent="Window.MouseDown">
 <EventTrigger.Actions>
 <SoundPlayerAction Source="AudioFileToPlay.wav" />
 </EventTrigger.Actions>
 </EventTrigger>
</Window.Triggers>
```

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 17

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5.

Your project contains a folder named Data. You add a .MP3 file named song.mp3 in the Data folder.

You set the Build Action property of the application to Resource. You need to access the .MP3 file from one of the application classes.

Which code segment should you use?

- A. Uri uri = new Uri("/Data/song.mp3", UriKind.Relative);  
StreamResourceInfo sri = Application.GetContentStream(uri);  
Stream stream = sri.Stream;
- B. Uri uri = new Uri("/Data/song.mp3", UriKind.Relative);  
StreamResourceInfo sri = Application.LoadComponent(uri);  
Stream stream = sri.Stream;
- C. Uri uri = new Uri("/Data/song.mp3", UriKind.Relative);  
StreamResourceInfo sri = Application.GetRemoteStream(uri);  
Stream stream = sri.Stream;
- D. Uri uri = new Uri("/Data/song.mp3", UriKind.Relative);  
StreamResourceInfo sri = Application.GetResourceStream(uri);  
Stream stream = sri.Stream;

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 18

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5. The application will display documents by using an instance of the FlowDocumentPageViewer class. The instance is named fdpv.

Users can highlight and annotate the content of the documents. You need to ensure that annotations made to a document are saved and rendered when the document is displayed again.

Which code segment should you use?

- A. 

```
protected void OnTextInput(object sender, RoutedEventArgs e)
{
 AnnotationService service = AnnotationService.GetService(fdःpv);
 if (service == null)
 {
 AnnotationStream = new FileStream("annotations.xml", FileMode.Open,
 FileAccess.ReadWrite);
 service = new AnnotationService(fdःpv);
 AnnotationStore store = new XmlStreamStore(AnnotationStream);
 service.Enable(store);
 }
}

private void OnClosing(object sender, System.ComponentModel.CancelEventArgs e)
{
 AnnotationService service = AnnotationService.GetService(fdःpv);
 if (service != null && service.IsEnabled)
 {
 service.Store.Flush();
 service.Disable();
 AnnotationStream.Close();
 }
}
```
- B. 

```
protected void OnLoaded(object sender, RoutedEventArgs e)
{
 AnnotationService service = AnnotationService.GetService(fdःpv);
 if (service == null)
 {
 AnnotationStream = new FileStream("annotations.xml", FileMode.Open,
 FileAccess.ReadWrite);
 service = new AnnotationService(fdःpv);
```

```

 }
 }

private void OnClosing(object sender, System.ComponentModel.CancelEventArgs e)
{
 AnnotationService service = AnnotationService.GetService(fdःpv);
 if (service != null && service.IsEnabled)
 {
 service.Store.Flush();
 service.Disable();
 AnnotationStream.Close();
 }
}

C. protected void OnLoaded(object sender, RoutedEventArgs e)
{
 AnnotationService service = AnnotationService.GetService(fdःpv);
 if (service == null)
 {
 AnnotationStream = new FileStream("annotations.xml", FileMode.Open,
 FileAccess.ReadWrite);
 service = new AnnotationService(fdःpv);
 AnnotationStore store = new XmlStreamStore(AnnotationStream);
 service.Enable(store);
 }
}

private void OnClosing(object sender, System.ComponentModel.CancelEventArgs e)
{
 AnnotationService service = AnnotationService.GetService(fdःpv);
 if (service != null && service.IsEnabled)
 {
 service.Store.Flush();
 service.Disable();
 AnnotationStream.Close();
 }
}

D. protected void OnLoaded(object sender, RoutedEventArgs e)
{
 AnnotationService service = AnnotationService.GetService(fdःpv);
 if (service == null)
 {
 AnnotationStream = new FileStream("annotations.xml", FileMode.Open,
 FileAccess.ReadWrite);
 service = new AnnotationService(fdःpv);
 AnnotationStore store = new XmlStreamStore(AnnotationStream);
 service.Enable(store);
 }
}

private void OnClosing(object sender, System.ComponentModel.CancelEventArgs e)
{
 AnnotationService service = AnnotationService.GetService(fdःpv);
 if (service != null && service.IsEnabled)
 {
 service.Disable();
 AnnotationStream.Close();
 }
}

```

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:****QUESTION 19**

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5. You add a window that displays three-dimensional graphics.

You need to create a camera that meets the following requirements:

- It displays a graphic by excluding the Z-dimension.
- It focuses directly on the front portion of the graphic.

Which XAML code fragment should you use?

- A. <OrthographicCamera Position="0,0,2" LookDirection="0,2,-1" />
- B. <OrthographicCamera Position="0,0,2" LookDirection="0,0,-1" />
- C. <PerspectiveCamera Position="0,0,2" LookDirection="0,2,-1" FieldOfView="60" />
- D. <PerspectiveCamera Position="0,0,2" LookDirection="0,0,-1" FieldOfView="60" />

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:****QUESTION 20**

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5.

You create a window for the application. You add an image to the window.

You need to ensure that the following requirements are met:

- The image is scaled to completely fit the client area of the window.
- The image aspect ratio is preserved.
- The entire image is displayed within the window.

Which code fragment should you use?

- A. <Image Source="imageToDisplay.jpg" Stretch="None" />
- B. <Image Source="imageToDisplay.jpg" Stretch="Fill" />
- C. <Image Source="imageToDisplay.jpg" Stretch="Uniform" />
- D. <Image Source="imageToDisplay.jpg" Stretch="UniformToFill" />

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:****QUESTION 21**

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5.

The application will display articles that contain photographs, geometric figures, and other rich content. You plan to format the articles in flow documents.

You need to select a XAML element that provides the following functionality by default:

- Searches the content of any article.
- Views any article in single-page and multiple-page layouts.
- Adjusts the font size of the content.

What should you do?

- A. Encapsulate the articles in a <RichTextBox></RichTextBox> XAML element.
- B. Encapsulate the articles in a <FlowDocumentReader></FlowDocumentReader> XAML element.

- C. Encapsulate the articles in a `<FlowDocumentPageViewer></FlowDocumentPageViewer>` XAML element.
- D. Encapsulate the articles in a `<FlowDocumentScrollViewer></FlowDocumentScrollViewer>` XAML element.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

## QUESTION 22

You create a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5.

The application includes a window that displays a rectangle.

You need to transform the rectangle by rotating it 45 degrees.

Which XAML code fragment should you use?

- A. `<Rectangle.RenderTransform>  
 <TranslateTransform X="45" Y="45" />  
</Rectangle.RenderTransform>`
- B. `<RectangleGeometry.Transform>  
 <RotateTransform CenterX="40" CenterY="70" Angle="45" />  
</RectangleGeometry.Transform>`
- C. `<Rectangle.RenderTransform>  
 <SkewTransform CenterX="25" CenterY="25" AngleX="0" AngleY="45" />  
</Rectangle.RenderTransform>`
- D. `<Rectangle.RenderTransform>  
 <ScaleTransform CenterX="0" CenterY="0" ScaleX="45" ScaleY="45" />  
</Rectangle.RenderTransform>`

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

## QUESTION 23

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5.

The application displays an image that is defined as an application resource.

You need to ensure that the following requirements are met:

- The image file must appear in the output directory after the build.
- The image can be modified without being rebuilt.

What should you do?

- A. Include the image in your project. Set the Build Action property for the file to Resource.  
Set the Copy to Output Directory property to Copy if newer.
- B. Include the image in your project. Set the Build Action property for the file to Content.  
Set the Copy to Output Directory property to Copy if newer.
- C. Include the image in your project. Set the Build Action property for the file to Embedded Resource.  
Set the Copy to Output Directory property to Copy always.
- D. Include the image in your project. Set the Build Action property for the file to ApplicationDefinition.  
Set the Copy to Output Directory property to Copy if newer.

**Correct Answer:** B

**Section:** (none)

## **Explanation**

### **Explanation/Reference:**

#### **QUESTION 24**

You create a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5. You deploy the installation files on the client computers by using the ClickOnce technology. When the users attempt to install the application on a Windows Vista client computer, a dialog box opens. The dialog box displays the following security warning: "The publisher cannot be verified." You need to prevent the dialog box from appearing. What should you do?

- A. Assign a strong name to each application assembly.
- B. Sign the deployment manifest file by using the Authenticode signature.
- C. Create a digital signature for the application assemblies. Add the digital signature to the application manifest file.
- D. Open the Assembly Properties window of Microsoft Visual Studio 2005. Type the name of your company in the Assembly Company field.

**Correct Answer:** B

**Section:** (none)

**Explanation**

### **Explanation/Reference:**

#### **QUESTION 25**

You deploy a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5. Users use Microsoft Windows Internet Explorer to launch the application. The application uses an XML file to persist user information. The XML file is used by multiple assemblies within the application. The company security policy requires that each user has a separate copy of the XML file. During testing, you discover that the application can persist information to the XML file on the development computer but not on the client computers. You need to ensure that the application can persist information to the XML file on all the client computers. You also need to ensure that the application maintains the required security level. What should you do?

- A. Save the XML file to the %AppData% folder.
- B. Save the XML file to the %UserProfile% folder.
- C. Save the XML file to an isolated storage store that is retrieved from the `System.IO.IsolatedStorageFile.GetUserStoreForAssembly()` function.
- D. Save the XML file to an isolated storage store that is retrieved from the `System.IO.IsolatedStorageFile.GetUserStoreForApplication()` function.

**Correct Answer:** D

**Section:** (none)

**Explanation**

### **Explanation/Reference:**

#### **QUESTION 26**

Your team is creating a Windows Presentation Foundation (WPF) application by using Microsoft .NET Framework 3.5.

You plan to deploy the application by using the ClickOnce technology. You need to ensure that the application can be used even when network access is unavailable.

Which command should you use?

- A. The mage CUpdate App1.deploy CInstall true command
- B. The mage CUpdate App1.deploy CAppCodeBase C:\App1 command
- C. The mage CUpdate App1.deploy CProviderUrl C:\App1.deploy command
- D. The mage CUpdate App1.deploy CAppManifest C:\App1\application.manifest command

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### **QUESTION 27**

You create a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5. You deploy the application on client computers by using the ClickOnce technology. You need to ensure that the application downloads an assembly to a client computer only if the assembly is required. Which event should you implement?

- A. The AssemblyLoad event of the AppDomain object
- B. The AssemblyResolve event of the AppDomain object
- C. The CheckForUpdateCompleted event of the ApplicationDeployment object
- D. The DownloadFileGroupCompleted event of the ApplicationDeployment object

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### **QUESTION 28**

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5. You implement validation for a data bound text box control. When a user enters an invalid value in the text box, the border of the text box turns red. You need to update the application so that both the border and the text of the text box control turn red when an invalid value is entered. What should you do?

- A. Use a custom control template.
- B. Create a custom validation rule.
- C. Add an exception handler to the code-behind file.
- D. Add two validation rules to the ValidationRules element.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### **QUESTION 29**

You are creating Windows Presentation Foundation application by using Microsoft .NET Framework 3.5. The application has a TreeView class that builds the directory tree for a given directory. You write the following class that represents a directory.

```
class Folder
```

```

{
 public readonly string Name
 {
 get { ... ;}
 }

 public readonly List<Folder> Subfolders
 {
 get { ... ;}
 }
}

```

You write the following code segment.

(Line numbers are included for reference only.)

```

01 TreeView tree = new TreeView() ;
02 Folder folder = new Folder("C:\\\\");
03
04 FrameworkElementFactory labelFactory = new FrameworkElementFactory(typeof
(TextBlock)) ;
05
06 template.VisualTree = labelFactory ;
07 tree.ItemTemplate = template;
08 tree.ItemsSource = folder.Subfolders;

```

You need to ensure that the TreeView class displays nodes that correspond to the child folders of the C:\ drive. Which code segments should you insert at lines 03 and 05?

- A. 1. Insert the following code segment at line 03.

```

HierarchicalDataTemplate template = new HierarchicalDataTemplate(folder);
template.ItemsSource = new Binding("Subfolders") ;
2. Insert the following code segment at line 05.
labelFactory.SetBinding(TextBlock.TextProperty, new Binding("Name")) ;

```

- B. 1. Insert the following code segment at line 03.

```

HierarchicalDataTemplate template = new HierarchicalDataTemplate(typeof
(Folder));
template.ItemsSource = new Binding("Subfolders");
2. Insert the following code segment at line 05.
labelFactory.SetBinding(TextBlock.TextProperty, new Binding("Name")) ;

```

- C. 1. Insert the following code segment at line 03.

```

HierarchicalDataTemplate template = new HierarchicalDataTemplate("Folder");
template.ItemsSource = new Binding("Name");
2. Insert the following code segment at line 05.
labelFactory.SetBinding(TextBlock.TextProperty, new Binding("Subfolders")) ;

```

- D. 1. Insert the following code segment at line 03.

```

HierarchicalDataTemplate template = new HierarchicalDataTemplate("Folder");
template.ItemsSource = new Binding("Folder.Subfolders");
2. Insert the following code segment at line 05.
labelFactory.SetBinding(TextBlock.TextProperty, new Binding("Folder.Name")) ;

```

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 30

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5. The XAML page for the application will display employee information from an XML file. The following code

fragment is an excerpt from the XML file.

```
<Employee>
 <Manager FirstName="Adam" LastName="Barr" Photo="E1.jpg"/>
 <Engineer FirstName="Mu" LastName="Han" Photo="E2.jpg"/>
 ...
</Employee>
```

The file is exposed as a resource named employees.

You add the following templates under the Window.Resources element.

```
<DataTemplate x:Key="Manager">
 <Image Source="{Binding XPath=@Photo}" Height="50"/>
</DataTemplate>
<DataTemplate x:Key="Engineer">
 <Image Source="{Binding XPath=@Photo}" Height="40"/>
</DataTemplate>
```

You need to ensure that the selection of templates is dependent on the XML element being rendered.

Which two tasks should you perform? (Each correct answer presents part of the solution.)

- A. Add the following ListBox control to the XAML code fragment for the window.

```
<ListBox ItemsSource="{Binding Source={StaticResource employees}, XPath=/Employee/*}"/>
```

- B. Add the following template to the Windows.Resources element.

```
<HierarchicalDataTemplate x:Key="Employee" ItemsSource="{Binding XPath=/Employee/*}">
 <TextBlock Text="Employees" FontSize="20" />
</HierarchicalDataTemplate>
```

- C. Add the following template to the Windows.Resources element.

```
<HierarchicalDataTemplate x:Key="Employee" ItemsSource="{Binding XPath=*}">
 <TextBlock Text="Employees" FontSize="20" />
</HierarchicalDataTemplate>
```

- D. Add the following ListBox control to the XAML code fragment for the page.

```
<ListBox ItemsSource="{Binding Source={StaticResource employees}, XPath=/Employee/*}">
 <ListBox.ItemTemplateSelector>
 <local:EmployeeTemplateSelector xmlns:local="clr-namespace:AppNamespace" />
 </ListBox.ItemTemplateSelector>
</ListBox>
```

- E. Add the following class to the code-behind file.

```
public class EmployeeTemplateSelector : DataTemplateSelector
{
 public override DataTemplate SelectTemplate(object item, DependencyObject container)
 {
 XmlElement data = (XmlElement)item;

 return (DataTemplate)((FrameworkElement)container).FindResource
(data.LocalName));
 }
}
```

**Correct Answer:** DE

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 31**

You create a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5. The application tracks stock prices in real time. You need to bind a label to the Price property of the Stock class. You also need to ensure that the label reflects any change in the Price property. Which code segment should you use?

- A. 

```
public class Stock : DependencyObject
{
 private decimal _price;
 public decimal Price
 {
 get { return _price; }
 set { _price = value; }
 }
}
```
- B. 

```
public class Stock : DependencyObject
{
 public static readonly DependencyProperty PriceProperty =
DependencyProperty.Register("Price", typeof(decimal), typeof(Stock));

 public decimal Price
 {
 get { return (decimal)GetValue(Stock.PriceProperty); }
 set { SetValue(Stock.PriceProperty, value); }
 }
}
```
- C. 

```
public class Stock
{
 public event EventHandler PropertyChanged;
 private decimal _price;
 public decimal Price
 {
 get { return _price; }
 set
 {
 _price = value;
 if (PropertyChanged != null)
 PropertyChanged(this, EventArgs.Empty);
 }
 }
}
```
- D. 

```
public class Stock
{
 public event PropertyChangedEventHandler PropertyChanged;
 private decimal _price;
 public decimal Price
 {
 get { return _price; }
 set
 {
 _price = value;
 if (PropertyChanged != null)
 PropertyChanged(this, new PropertyChangedEventArgs("Price"));
 }
 }
}
```

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 32**

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5. The application contains a Person object with a FirstName property. You bind the Person object to a data source that is used in several controls. You need to ensure that the data source is updated whenever the FirstName property changes.

What should you do?

- A. Use OneWay data binding.
- B. Use OneTime data binding.
- C. Create a PropertyChanged event handler in the application.
- D. Implement the INotifyPropertyChanged interface in the Person object.

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 33**

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5. The application contains a TextBox control that is data bound to a data source.

You need to ensure that the following requirements are met:

- When the data source changes, the TextBox control automatically reflects the change.
- When the TextBox control changes, the data source is not automatically updated.

What should you do?

- A. Use the OneWay binding mode.
- B. Use the OneWayToSource binding mode.
- C. Use the OneTime binding mode.
- D. Use the LostFocus update source trigger.
- E. Use the PropertyChanged update source trigger.

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

**QUESTION 34**

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5. You create the following class.

```
public class Cars : Collection<Car>
{
 protected override void ClearItems()
 {
 //...
 }

 protected override void InsertItem(int index, Car item)
 {
 //...
 }
}
```

You bind a Label control and a ListBox control to the Cars class by using the following XAML code fragment.

```
<Label Name="lblItemCount" Content="{Binding Source={StaticResource cars}, Path=Count}" />
<Image Source="{Binding Source={StaticResource cars}, Path=Path}" />
```

You need to ensure that the Cars class can propagate changes to the bound controls.

What should you do?

- A. Implement the `IDataObject` interface.
- B. Replace the `Collection<Car>` inheritance with the `ObservableCollection<Car>` inheritance.
- C. Add a public `Count` property that returns an integer value and a `Path` property that returns a string value.
- D. Implement the `INotifyPropertyChanged` interface and add the following code segment.

```
public event PropertyChangedEventHandler PropertyChanged;
protected void OnPropertyChanged(string propertyName)
{
 PropertyChangedEventHandler handler = PropertyChangedEvent ;
 PropertyChanged(this, new PropertyChangedEventArgs(propertyName)) ;
}
```

Call the `OnPropertyChanged( "Count" )` and the `OnPropertyChanged( "Path" )` methods from the `ClearItems` and the `InsertItems` methods respectively.

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 35

You are creating a Windows Presentation Foundation application to track customer orders.

You use Microsoft .NET Framework 3.5 to create the application. The application contains an Order class. The Order class has two public properties named `OrderDate` and `OrderID`. The application also contains an `ObservableCollection` collection of Order objects. This collection is named `OrderItems`. You write the following XAML code fragment.

```
<Window.Resources>
 <CollectionViewSource Source="{Binding Source={x:Static Application.Current}, Path=OrderItems}" x:Key="orders" />
</Window.Resources>
```

You add two `ListBox` controls to select orders based on the `OrderID` or the `OrderDate` properties. One `ListBox` control displays order dates and the other `ListBox` control displays order numbers. You need to bind the two `ListBox` controls so that the item selected in one control is reflected in the other control.

Which XAML code fragment should you use?

- A. 

```
<ListBox Name="lstOrder" DisplayMemberPath="OrderID" ItemsSource="{Binding Source={StaticResource orders}}"/>
<ListBox Name="lstDate" DisplayMemberPath="OrderDate" ItemsSource="{Binding Source={StaticResource orders}}"/>
```
- B. 

```
<ListBox Name="lstOrder" DisplayMemberPath="OrderID" ItemsSource="{Binding Source={StaticResource orders}}"/>
<ListBox Name="lstDate" DisplayMemberPath="OrderDate" ItemsSource="{Binding ElementName=lstOrder, Path=OrderDate}"/>
```
- C. 

```
<ListBox Name="lstOrder" IsSynchronizedWithCurrentItem="True" DisplayMemberPath="OrderID" ItemsSource="{Binding Source={StaticResource orders}}"/>
<ListBox Name="lstDate" IsSynchronizedWithCurrentItem="True" DisplayMemberPath="OrderDate" ItemsSource="{Binding Source={StaticResource orders}}"/>
```
- D. 

```
<ListBox Name="lstOrder" IsSynchronizedWithCurrentItem="True" DisplayMemberPath="OrderID" ItemsSource="{Binding Source={StaticResource
```

```

orders} }"/>
<ListBox Name="lstDate" SynchronizedWithCurrentItem="True"
DisplayMemberPath="OrderDate" ItemsSource="{Binding ElementName=lstOrder,
Path=OrderDate}"/>

```

**Correct Answer: C**

**Section: (none)**

**Explanation**

**Explanation/Reference:**

### QUESTION 36

You are creating a Windows Presentation Foundation GUI application by using Microsoft .NET Framework 3.5. The application will process legal consent. You use the following code fragment to create a check box and two text boxes.

```

<Grid Height="214" Width="282">
 <TextBox Height="21" Margin="132,36,30,0" Name="txtAge1"
VerticalAlignment="Top" Text=" " />
 <TextBox Height="21" Margin="133,81,29,0" Name="txtAge2"
VerticalAlignment="Top" Text=" " />
 <Label Height="23" Margin="66,0,96,54" Name="label1"
VerticalAlignment="Bottom">
 <Label.Content>
 <MultiBinding Converter="{StaticResource myConsentConverter}"
ConverterParameter="18">
 <Binding ElementName="txtAge1" Path="Text" />
 <Binding ElementName="txtAge2" Path="Text" />
 </MultiBinding>
 </Label.Content>
 </Label>
</Grid>

```

The text boxes are used to enter the age of the applicants. You need to ensure that if you specify a value of 18 or more in the text boxes, the check box is selected.

Which code segment should you use?

- A. public object Convert(object[] values, Type targetType, object parameter,
System.Globalization.CultureInfo culture)
{
 bool isConsent = (float)values[0] >= 18 && (float)parameter >= 18;

 if (isConsent)
 return "Yes";

 return "No";
}
- B. public object Convert(object[] values, Type targetType, object parameter,
System.Globalization.CultureInfo culture)
{
 bool isConsent = (float)values[0] >= 18 && (float)values[1] >= 18;

 if (isConsent)
 return "Yes";

 return "No";
}
- C. public object Convert(object[] values, Type targetType, object parameter,
System.Globalization.CultureInfo culture)
{
 float age1;
 float age2;

```

 if (!float.TryParse(((TextBox)values[0]).Text, out age1))
 return "No";

 if (!float.TryParse(((TextBox)values[1]).Text, out age2))
 return "No";

 if (age1 >= (float)parameter && age2 >= parameter)
 return "Yes";

 return "No";
 }

D. public object Convert(object[] values, Type targetType, object parameter,
System.Globalization.CultureInfo culture)
{
 float age1;
 float age2;

 if (!float.TryParse((string)values[0], out age1))
 return "No";

 if (!float.TryParse((string)values[1], out age2))
 return "No";

 if (age1 >= (float)parameter && age2 >= parameter)
 return "Yes";

 return "No";
}

```

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 37

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5. You are creating an XAML page for the application. The page will display information about cars. The information is stored in a static resource named cars. You need to ensure that the page can display the image of each car in a ListBox control.

Which XAML code fragment should you use?

- A. <ListBox ItemsSource="{Binding Source={StaticResource cars}}">
 <ListBoxItem>
 <Image Source="{Binding Path=Path}" />
 </ListBoxItem>
 </ListBox>
- B. <ListBox ItemsSource="{Binding Source={StaticResource cars}}">
 <ListBoxItem>
 <DataTemplate>
 <Image Source="{Binding Path=Path}" />
 </DataTemplate>
 </ListBoxItem>
 </ListBox>
- C. <ListBox ItemsSource="{Binding Source={StaticResource cars}}">
 <ListBox.ItemTemplate>
 <DataTemplate>
 <Image Source="{Binding Path=Path}" />
 </DataTemplate>
 </ListBox.ItemTemplate>

```

 </ListBox.ItemTemplate>
</ListBox>
D. <ListBox ItemsSource="{Binding Source={StaticResource cars}}">
 <ListBox.ItemTemplate>
 <DataTemplate>
 <Image Source="{Binding Source={StaticResource cars}, Path=Path}"/>
 </DataTemplate>
 </ListBox.ItemTemplate>
</ListBox>

```

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 38

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5. The application processes hospital medical records. The application contains a class named Patient that has a property named Age. You enter information about the patient in a window named Medical Form. In the window, you enter the age of the patient in a textbox named txtAge. You need to ensure that the application meets the following requirements:

- It updates the Age property automatically when you enter the age of the patient in the txtAge textbox.
- It updates the txtAge textbox automatically when you change the Age property of the Patient class.

Which XAML code fragment should you use?

- A. <TextBox Name="txtAge">  
 <TextBox.Resources>  
     <src:Patient x:Key="AgeResource" />  
 </TextBox.Resources>  
 <TextBox.Text>  
     <Binding Source = "{StaticResource AgeResource}" Mode="OneWayToSource"  
     Path="Age" />  
 </TextBox.Text>  
</TextBox>
- B. <TextBox Name="txtAge">  
 <TextBox.Resources>  
     <src:Patient x:Key="AgeResource" />  
 </TextBox.Resources>  
 <TextBox.Text>  
     <Binding Source = "{StaticResource AgeResource}" Mode="OneWay" Path="Age" />  
 </TextBox.Text>  
</TextBox>
- C. <TextBox Name="txtAge">  
 <TextBox.Resources>  
     <src:Patient x:Key="AgeResource" />  
 </TextBox.Resources>  
 <TextBox.Text>  
     <Binding Source = "{StaticResource AgeResource}" Mode="Default"  
     Path="Age" />  
 </TextBox.Text>  
</TextBox>
- D. <TextBox Name="txtAge">  
 <TextBox.Resources>  
     <src:Patient x:Key="AgeResource" />  
 </TextBox.Resources>  
 <TextBox.Text>  
     <Binding Source = "{StaticResource AgeResource}" Mode="OneTime"

```
Path="Age" />
</TextBox.Text>
</TextBox>
```

**Correct Answer:** C

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 39

You are creating a Windows Presentation Foundation application for a car dealer. You use Microsoft .NET Framework 3.5 to create the application.

You are creating a window that will display a list of available cars. The list will be sorted on the basis of the Make property. You try to run the XAML code fragment for the window. The following section of the code fragment does not compile.

(Line numbers are included for reference only.)

```
01 <Window.Resources>
02 ...
03 <CollectionViewSource x:Key="vw" Source="{StaticResource cars}" >
04 <CollectionViewSource.SortDescriptions>
05 <SortDescription PropertyName="Make" />
06 </CollectionViewSource.SortDescriptions>
07 </CollectionViewSource>
08 </Window.Resources>
09 </Window.Resources>
```

You receive the following error message: "Type 'SortDescriptions' was not found."

You need to ensure that the XAML code fragment sorts the list of available cars correctly.

What should you do?

- A. Replace line 06 of the XAML code fragment with the following code fragment.

```
<componentModel:SortDescription PropertyName="Make" xmlns:componentModel="clr-
namespace:System.ComponentModel;assembly=System" />
```

- B. Replace line 06 of the XAML code fragment with the following code fragment.

```
<componentModel:SortDescription PropertyName="Make" xmlns:componentModel="clr-
namespace:System.ComponentModel;assembly=WindowsBase" />
```

- C. Add the following code segment immediately after the InitializeComponent method call in the constructor.

```
BindingListCollectionView view = (BindingListCollectionView)
(CollectionViewSource.GetDefaultView(lst.ItemsSource));
if (view != null)
 view.SortDescriptions.Add(new SortDescription("Make",
ListSortDirection.Ascending));
```

- D. Remove lines 03 through 08 from the XAML code fragment. Add the following code segment immediately after the InitializeComponent method call in the constructor.

```
BindingListCollectionView view = (BindingListCollectionView)
(CollectionViewSource.GetDefaultView(lst.ItemsSource));
if (view != null)
 view.SortDescriptions.Add(new SortDescription("Make",
ListSortDirection.Ascending));
```

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**

### QUESTION 40

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5. You write the following XAML code fragment.

```
<Rectangle Name="SplineTest">
 <Rectangle.RenderTransform>
 <TranslateTransform x:Name="SplineTestTrans" X="0" Y="0" />
 </Rectangle.RenderTransform>
 <Rectangle.Triggers>
 <EventTrigger RoutedEvent="Rectangle.MouseLeftButtonDown">
 <EventTrigger.Actions>
 <BeginStoryboard>
 <Storyboard>
 ...
 </Storyboard>
 </BeginStoryboard>
 </EventTrigger.Actions>
 </EventTrigger>
 </Rectangle.Triggers>
</Rectangle>
```

You need to ensure that the Rectangle object shifts diagonally downwards when a user clicks it. Which XAML code fragment should you use?

- A. <DoubleAnimation Storyboard.TargetProperty="RenderTransform.(TranslateTransform.X)" From="0" To="200"/>
- B. <DoubleAnimation Storyboard.TargetName= "SplineTestTrans" Storyboard.TargetProperty="RenderTransform.Angle" From="0" To="360" Duration="0:0:1"/>
- C. <DoubleAnimationUsingKeyFrames Storyboard.TargetName="Trans" Storyboard.TargetProperty="Y" Duration="0:0:15">
 <LinearDoubleKeyFrame Value="350" KeyTime="0:0:7"/>
 <LinearDoubleKeyFrame Value="50" KeyTime="0:0:5"/>
 <LinearDoubleKeyFrame Value="200" KeyTime="0:0:3"/>
 </DoubleAnimationUsingKeyFrames>
- D. <DoubleAnimationUsingKeyFrames Storyboard.TargetName="SplineTestTrans" Storyboard.TargetProperty="X" Duration="0:0:15">
 <SplineDoubleKeyFrame Value="350" KeyTime="0:0:7" KeySpline="0.0,1.0,1.0,0.0"/>
 </DoubleAnimationUsingKeyFrames>
 <DoubleAnimationUsingKeyFrames
 Storyboard.TargetName="SplineTestTrans" Storyboard.TargetProperty="Y"
 Duration="0:0:15">
 <SplineDoubleKeyFrame Value="350" KeyTime="0:0:7" KeySpline="0.0,1.0,1.0,0.0"/>
 </DoubleAnimationUsingKeyFrames>

**Correct Answer:** D

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 41

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5. You add textbox controls to the user interface of the application.

You need to set the format for each textbox control in the following manner:

- The font is Segoe UI.
- The font size is 16.

Which XAML code fragment should you use?

- A. 

```
<Style x:Key="MyTextBoxStyle">
 <Setter Property="TextBox.FontSize" Value="16" />
 <Setter Property="TextBox.FontFamily" Value="Segoe UI" />
</Style>...
<TextBox Style="{DynamicResource MyTextBoxStyle}">
 ...
</TextBox>
```
- B. 

```
<Style BasedOn="MyTextBoxStyle" x:Key="TextBox">
 <Setter Property="TextBox.FontSize" Value="16" />
 <Setter Property="TextBox.FontFamily" Value="Segoe UI" />
</Style>
<TextBox FontStyle="{DynamicResource MyTextBoxStyle}">
 ...
</TextBox>
```
- C. 

```
<Style x:Name="MyTextBoxStyle" x:Key="TextBox">
 <Setter Property="TextBox.FontSize" Value="16" />
 <Setter Property="TextBox.FontFamily" Value="Segoe UI" />
</Style>...
<TextBox Style="{DynamicResource MyTextBoxStyle}">
 ...
</TextBox>
```
- D. 

```
<Style x:Name="MyTextBoxStyle" x:Key="TextBox">
 <Setter Property="TextBox.FontSize" Value="16" />
 <Setter Property="TextBox.FontFamily" Value="Segoe UI" />
</Style>...
<TextBox FontStyle="{DynamicResource MyTextBoxStyle}">
 ...
</TextBox>
```

**Correct Answer:** A

**Section:** (none)

**Explanation**

**Explanation/Reference:**

#### QUESTION 42

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5.

You write the following XAML code fragment.

(Line numbers are included for reference only.)

```
01 <StackPanel>
02 <StackPanel.Resources>
03 <Style TargetType="{x:Type Button}">
04 ...
05 </Style>
06 </StackPanel.Resources>
07 ...
08 </StackPanel>
```

You add three buttons to the StackPanel control. You need to ensure that the following requirements are met:

- The background color of each button turns green when the user moves the mouse pointer over the button.
- The background color of each button turns red when the user moves the mouse pointer away from the button.

What should you do?

- A. Insert the following XAML code fragment at line 04.

```
<Setter Property="Background" Value="Red" />
<Style.Triggers>
 <Trigger Property="IsMouseOver" Value="True">
```

- ```

        <Setter Property="Background" Value="Green" />
    </Trigger>
</Style.Triggers>
B. Insert the following XAML code fragment at line 04.
<Setter Property="Background" Value="Red" />
<Style.Triggers>
    <Trigger Property="IsMouseDirectlyOver" Value="True">
        <Setter Property="Background" Value="Green" />
    </Trigger>
</Style.Triggers>
C. Insert the following XAML code fragment at line 04.
<Style.Triggers>
    <Trigger Property="IsMouseOver" Value="True">
        <Setter Property="Background" Value="Green" />
    </Trigger>
</Style.Triggers>
Set the Background property of each Button control to red.
D. Insert the following XAML code fragment at line 04.
<Style.Triggers>
    <Trigger Property="IsMouseDirectlyOver" Value="True">
        <Setter Property="Background" Value="Green" />
    </Trigger>
</Style.Triggers>
Set the Background property of each Button control to red.

```

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 43

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5. You use a template for button controls. The template is defined as a resource on the page that contains the button controls. The template has a key named tpCancel. You plan to add a button named Cancel to the user interface of the application. You need to ensure that the Cancel button uses the template. Which code segment should you use?

- A. <Button Template="tpCancel">Cancel</Button>
- B. <Button Template="{StaticResource tpCancel}">Cancel</Button>
- C. <Button>
 <Button.Template>
 <ControlTemplate x:Name="tpCancel" />
 </Button.Template>
 Cancel
 </Button>
- D. <Button>
 <Button.Template>
 <ControlTemplate Resources="tpCancel" />
 </Button.Template>
 Cancel
 </Button>

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 44

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5. You write the following XAML code fragment.

```
01 <StackPanel.Resources>
02   <ControlTemplate x:Key="buttonTemplate" TargetType="{x:Type Button}">
03     <Grid>
04       <Rectangle x:Name="buttonBackground" Width="100" Height="30" Fill="Blue"
05     />
06       <WrapPanel>
07         <Image x:Name="buttonImage" Width="20" Height="20"
08           Source="buttonImage.jpg" />
09         <ContentPresenter Margin="10" />
10       </WrapPanel>
11     </Grid>
12   </ControlTemplate>
13 </StackPanel.Resources>
```

You plan to apply the buttonTemplate template to 20 buttons. You need to ensure that a sound file named soundFile.wav is played when the user moves the mouse pointer over the image on any of the 20 buttons. Which XAML code fragment should you insert at line 10?

- A. <ControlTemplate.Triggers>
 <EventTrigger SourceName="buttonImage" RoutedEvent="MouseEnter">
 <EventTrigger.Actions>
 <SoundPlayerAction Source="soundFile.wav" />
 </EventTrigger.Actions>
 </EventTrigger>
</ControlTemplate.Triggers>
- B. <ControlTemplate.Triggers>
 <EventTrigger SourceName="buttonImage" RoutedEvent="MouseEnter">
 <EventTrigger.EnterActions>
 <SoundPlayerAction Source="soundFile.wav" />
 </EventTrigger.EnterActions>
 </EventTrigger>
</ControlTemplate.Triggers>
- C. <ControlTemplate.Triggers>
 <EventTrigger RoutedEvent="MouseEnter">
 <EventTrigger.EnterActions>
 <SoundPlayerAction Source="soundFile.wav" />
 </EventTrigger.EnterActions>
 </EventTrigger>
</ControlTemplate.Triggers>
- D. <ControlTemplate.Triggers>
 <EventTrigger RoutedEvent="MouseEnter">
 <EventTrigger.Actions>
 <SoundPlayerAction Source="soundFile.wav" />
 </EventTrigger.Actions>
 </EventTrigger>
</ControlTemplate.Triggers>

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 45

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5. The application-definition file contains the following XAML code fragment.

```
<Application.Resources>
    <Style TargetType="Button" x:Key="buttons">
        <Setter Property="Margin" Value="5" />
        <Setter Property="Background" Value="Olive" />
    </Style>
</Application.Resources>
```

You add a window to the application. The window includes the following XAML code fragment. (Line numbers are included for reference only.)

```
01 <StackPanel>
02     <StackPanel.Resources>
03
04         <Setter Property="Button.Background" Value="Blue" />
05     </Style>
06 </StackPanel.Resources>
07 <Button Content="Open" />
08 </StackPanel>
```

You need to ensure that the Button control of the window meets the following requirements:

- The Margin property is set to 5.
- The Background property is set to Blue.

Which XAML code fragment should you insert at line 03?

- A. <Style TargetType="Button">
- B. <Style TargetType="Button" BasedOn= "{StaticResource {x:Type Button}}">
- C. <Style TargetType="Button" BasedOn= "{StaticResource buttons}">
- D. <Style TargetType="{x:Type Button}" BasedOn= "{StaticResource {x:Type Button}}">

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 46

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5. You plan to add a check box to a window of the application. The check box must display the associated content and the text "Yes" or "No" instead of the check mark. You write the following XAML code fragment. (Line numbers are included for reference only.)



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```
01 <Window.Resources>
02     <ControlTemplate x:Key="check" TargetType="CheckBox">
03         <DockPanel Name="dock">
```

```

04      <TextBlock Name="text" />
05  </DockPanel>
06  <ControlTemplate.Triggers>
07      <Trigger Property="IsChecked" Value="False">
08          </Trigger>
09      </ControlTemplate.Triggers>
10  </ControlTemplate>
11 </Window.Resources>
12 <CheckBox Content="Is Active" Template="{StaticResource check}" />

```

You need to ensure that the check box displays the text "Is Active No" in the cleared state. What should you do?

- A. Insert the following XAML code fragment at line 04.

```
<ContentPresenter />
Insert the following XAML code fragment at line 09.
<Setter TargetName="text" Property="Text" Value="No" />
```

- B. Insert the following XAML code fragment at line 04.

```
<ContentPresenter />
Insert the following XAML code fragment at line 09.
<Setter Property="TextBlock.Text" Value="No" />
```

- C. Insert the following XAML code fragment at line 04.

```
<ContentPresenter Content="{TemplateBinding Content}" />
Insert the following XAML code fragment at line 09.
<Setter Property="TextBlock.Text" Value="No" />
```

- D. Insert the following XAML code fragment at line 04.

```
<ContentPresenter Content="{Binding RelativeSource={RelativeSource this},
Path=Content}" />
Insert the following XAML code fragment at line 09.
<Setter TargetName="text" Property="Text" Value="No" />
```

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 47

You are creating a localized version of a Windows Presentation Foundation application.

The application is deployed to all users in an English-only version. The English-only version was created by using the following process:

The <UICulture>en-US</UICulture> elements were added to the application project files.

The elements that required localization were marked with the x:Uid attributes in XAML code.

You need to use minimum possible effort to create a localized version of the application without impacting the English-only version.

Which two actions should you perform? (Each correct answer presents part of the solution. Choose two.)

- A. Create the *.resx XML files from the translated elements.
- B. Translate the *.resx files that were part of the project that was used to build the application.
- C. Build the *.resx files into satellite assemblies. Deploy a satellite assembly to each user who needs a translated application.
- D. Use the APIs under the System.Windows.Markup.Localizer namespace to extract and translate all the localizable elements into name value pairs.
- E. Generate satellite assemblies from the translated elements by using a tool such as LocBaml.

Deploy a satellite assembly to each user who needs a translated application.

Correct Answer: DE

Section: (none)

Explanation

Explanation/Reference:

QUESTION 48

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5.

You create a window by using the following XAML code fragment.

(Line numbers are included for reference only.)

```
01 <Rectangle x:Name="rect">
02   <Rectangle.Fill>
03     <SolidColorBrush x:Name="brush" />
04   </Rectangle.Fill>
05   <Rectangle.Triggers>
06     <EventTrigger RoutedEvent="Rectangle.Loaded">
07       <BeginStoryboard x:Name="beginName">
08         <Storyboard x:Name="boardName" >
09
10           </Storyboard>
11         </BeginStoryboard>
12       </EventTrigger>
13       <EventTrigger RoutedEvent="Rectangle.MouseLeftButtonDown" >
14
15         </EventTrigger>
16       </Rectangle.Triggers>
17 </Rectangle>
```

You need to ensure that the animation starts when the rectangle is loaded. You also need to ensure that the animation terminates when a user clicks the rectangle.

What should you do?

- A. Insert the following XAML code fragment at line 09.

```
<ColorAnimation Storyboard.TargetName="brush" Storyboard.TargetProperty="Color"
From="Blue" To="Yellow" RepeatBehavior="Forever" />
Insert the following XAML code fragment at line 14.
<StopStoryboard BeginStoryboardName="boardName" />
```

- B. Insert the following XAML code fragment at line 09.

```
<ColorAnimation Storyboard.TargetName="brush" Storyboard.TargetProperty="Color"
From="Blue" To="Yellow" RepeatBehavior="Forever" />
Insert the following XAML code fragment at line 14.
<StopStoryboard BeginStoryboardName="beginName" />
```

- C. Insert the following XAML code fragment at line 09.

```
<ColorAnimation Storyboard.TargetName="rect" Storyboard.TargetProperty="Color"
From="Blue" To="Yellow" RepeatBehavior="Forever" />
Insert the following XAML code fragment at line 14.
<StopStoryboard BeginStoryboardName="beginName" />
```

- D. Insert the following XAML code fragment at line 09.

```
<ColorAnimation Storyboard.TargetName="rect"
Storyboard.TargetProperty="Brush.Color" From="Blue" To="Yellow"
RepeatBehavior="Forever" />
Insert the following XAML code fragment at line 14.
<StopStoryboard BeginStoryboardName="beginName" />
```

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 49

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5. You write following code fragment for the application window.

```
01 <Window
02   xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"
03   xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml">
04   <Window.Resources>
05     <Style TargetType="Rectangle">
06       <Setter Property="Fill" Value="Green" />
07     </Style>
08   </Window.Resources>
09   <Grid>
10     <Grid.Resources>
11       <Style TargetType="Rectangle">
12         <Setter Property="Fill" Value="Red" />
13       </Style>
14     </Grid.Resources>
15     <StackPanel>
16       <StackPanel.Resources>
17         <Style TargetType="Rectangle">
18           <Setter Property="Fill" Value="Blue" />
19         </Style>
20       </StackPanel.Resources>
21     </StackPanel>
22     <Rectangle Width="100" Height="100">
23       <Rectangle.Resources>
24         <Style TargetType="Rectangle">
25           <Setter Property="Fill" Value="Yellow" />
26         </Style>
27       </Rectangle.Resources>
28     </Rectangle>
29   </Grid>
30 </Window>
```

You need to ensure that the Rectangle control is filled with black color.

What should you do?

- A. Replace line 06 with the following XAML code fragment.
<Setter Property="Fill" Value="Black" />
- B. Replace line 12 with the following XAML code fragment.
<Setter Property="Fill" Value="Black" />
- C. Replace line 18 with the following XAML code fragment.
<Setter Property="Fill" Value="Black" />
- D. Replace line 25 with the following XAML code fragment.
<Setter Property="Fill" Value="Black" />

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 50

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5. You plan to implement a Textbox control that can increase or decrease a numeric value. You install two buttons named button1 and button2.

You need to ensure that the following requirements are met:

- From the time the user presses button1 to the time the user releases button1, the numeric value will continue to increase.
- From the time the user presses button2 to the time the user releases button2, the numeric value will continue to decrease.

What should you do?

- A. Replace the Button controls with the ToggleButton controls.
- B. Replace the Button controls with the RepeatButton controls.
- C. Use the MouseLeftButtonUp event instead of the Click event to trigger the modification of the number.
- D. Use the MouseRightButtonUp event instead of the Click event to trigger the modification of the number.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 51

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5. You create a window that has an arbitrary size. You plan to add two Button controls to the window. You need to ensure that each Button control fills exactly half the window space.

Which XAML code fragment should you use?

- A.

```
<Grid>
    <Button Grid.Column="0">Some content</Button>
    <Button Grid.Column="1">Another</Button>
</Grid>
```
- B.

```
<Grid>
    <Button Grid.Column="0" Width="Auto">Some content</Button>
    <Button Grid.Column="1" Width="Auto">Another</Button>
</Grid>
```
- C.

```
<Grid>
    <Grid.ColumnDefinitions>
        <ColumnDefinition Width="*" />
        <ColumnDefinition Width="*" />
    </Grid.ColumnDefinitions>
    <Button Grid.Column="0">Some content</Button>
    <Button Grid.Column="1">Another</Button>
</Grid>
```
- D.

```
<Grid>
    <Grid.ColumnDefinitions>
        <ColumnDefinition Width="100" />
        <ColumnDefinition Width="100" />
    </Grid.ColumnDefinitions>
    <Button Grid.Column="0">Some content</Button>
    <Button Grid.Column="1">Another</Button>
</Grid>
```

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 52

You create a form by using Windows Presentation Foundation. You use Microsoft .NET Framework 3.5 to create the form.

You add a ContextMenu control to the text box named myText on the form. You add the following menu items to the control:

- Copy
- Paste

You need to ensure that the following requirements are met:

- You can copy and paste text.
- The ContextMenu items have input text gestures.
- You can copy and paste text by either clicking the menu items or by using keyboard shortcuts.

You want to achieve this goal by using the least possible code.

Which code fragment should you use?

- A.

```
<TextBox Name="myText">
    <TextBox.ContextMenu>
        <ContextMenu>
            <MenuItem Command="ApplicationCommands.Copy" />
            <MenuItem Command="ApplicationCommands.Paste" />
        </ContextMenu>
    </TextBox.ContextMenu>
</TextBox>
```
- B.

```
<TextBox Name="myText">
    <TextBox.CommandBindings>
        <CommandBinding Command="ApplicationCommands.Copy" />
        <CommandBinding Command="ApplicationCommands.Paste" />
    </TextBox.CommandBindings>
    <TextBox.ContextMenu>
        <ContextMenu>
            <MenuItem Command="ApplicationCommands.Copy" Header="Copy"
InputGestureText="Ctrl+C" />
            <MenuItem Command="ApplicationCommands.Paste" Header="Paste"
InputGestureText="Ctrl+V" />
        </ContextMenu>
    </TextBox.ContextMenu>
</TextBox>
```
- C.

```
<TextBox Name="myText">
    <TextBox.InputBindings>
        <KeyBinding Command="ApplicationCommands.Copy" Modifiers="Control" Key="C" />
        <KeyBinding Command="ApplicationCommands.Paste" Modifiers="Control"
Key="V" />
    </TextBox.InputBindings>
    <TextBox.ContextMenu>
        <ContextMenu>
            <MenuItem Command="ApplicationCommands.Copy" Header="Copy"
InputGestureText="Ctrl+C" />
            <MenuItem Command="ApplicationCommands.Paste" Header="Paste"
InputGestureText="Ctrl+V" />
        </ContextMenu>
    </TextBox.ContextMenu>
</TextBox>
```
- D.

```
<TextBox Name="myText">
    <TextBox.InputBindings>
        <KeyBinding Command="ApplicationCommands.Copy" Modifiers="Control" Key="C" />
        <KeyBinding Command="ApplicationCommands.Paste" Modifiers="Control"
Key="V" />
    </TextBox.InputBindings>
```

```

<TextBox.CommandBindings>
    <CommandBinding Command="ApplicationCommands.Copy" />
    <CommandBinding Command="ApplicationCommands.Paste" />
</TextBox.CommandBindings>
<TextBox.ContextMenu>
    <ContextMenu>
        <MenuItem Command="ApplicationCommands.Copy" Header="Copy" />
        <MenuItem Command="ApplicationCommands.Paste" Header="Paste" />
    </ContextMenu>
</TextBox.ContextMenu>
</TextBox>

```

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 53

You are creating a Windows Presentation Foundation user control by using Microsoft .NET Framework 3.5. You need to customize the appearance of all Button controls in the user control such that the following requirements are met:

- Each Button control has a purple background and white text.
- Each Button control is rotated 45 degrees.
- No other Button properties are customized or redefined.
- The customizations are defined in a single location.

What should you do?

- A. Use triggers.
- B. Use styles.
- C. Use templates.
- D. Use content presenters.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 54

You are creating a Windows Presentation Foundation (WPF) application by using Microsoft .NET Framework 3.5.

The WPF application has a Grid control named rootGrid.

You write the following XAML code fragment.

```

<Window x:Class="MCP.HostingWinFormsControls" xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"
        xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"
        Title="HostingWinFormsControls" Loaded="Window_Loaded">
    <Grid x:Name="rootGrid">
    </Grid>
</Window>

```

You need to ensure that each time the WPF window opens, a Windows Forms control named MyCustomFormsControl is added to rootGrid.

Which code segment should you use?

- A. private void Window_Loaded(object sender, RoutedEventArgs e)

```

{
    WindowsFormsHost host = new WindowsFormsHost();
    MyCustomFormsControl formsControl = new MyCustomFormsControl();
    host.Child = formsControl;
    rootGrid.Children.Add(host);
}
B. private void Window_Loaded(object sender, RoutedEventArgs e)
{
    ElementHost host = new ElementHost();
    MyCustomFormsControl formsControl = new MyCustomFormsControl();
    host.Child = formsControl;
    rootGrid.Children.Add(host);
}
C. private void Window_Loaded(object sender, RoutedEventArgs e)
{
    MyCustomFormsControl formsControl = new MyCustomFormsControl();
    formsControl.CreateControl();
    HwndTarget target = new HwndTarget(formsControl.Handle);
    UIElement formsElement = (UIElement)target.RootVisual;
    rootGrid.Children.Add(formsElement);
}
D. private void Window_Loaded(object sender, RoutedEventArgs e)
{
    MyCustomFormsControl formsControl = new MyCustomFormsControl();
    formsControl.CreateControl();
    HwndSource source = HwndSource.FromHwnd(formsControl.Handle);
    UIElement formsElement = (UIElement)source.RootVisual;
    rootGrid.Children.Add(formsElement);
}

```

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 55

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5.
You write the following XAML code fragment.

```

<Grid>
    <Grid.ColumnDefinitions>
        <ColumnDefinition />
        <ColumnDefinition Width="Auto" />
        <ColumnDefinition />
    </Grid.ColumnDefinitions>
    <Button Grid.Column="0">Left</Button>
    <Button Grid.Column="2">Right</Button>
</Grid>

```

You need to perform the following tasks:

- Ensure that the columns that hold the Button controls can be resized by dragging a line between them.
- Ensure that only a space of 5 device-independent pixels remains between the two Button controls.

Which XAML code fragment should you use?

- A. <GridSplitter Grid.Column="1" Width="5" />
- B. <GridSplitter Grid.Column="1" Grid.RowSpan="2" Width="5" />
- C. <GridSplitter Grid.Column="1" ResizeBehavior="PreviousAndNext" Width="5" />
- D. <GridSplitter Grid.Column="1" ResizeBehavior="PreviousAndCurrent" Width="5" />

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 56

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5. You plan to define three columns for a Grid control.

You need to ensure that the column definition meets the following requirements:

- The central column is twice as wide as the side columns.
- The columns occupy all the available horizontal space.

Which XAML code fragment should you use?

- A.

```
<Grid>
    <Grid.ColumnDefinitions>
        <ColumnDefinition Width="*" />
        <ColumnDefinition Width="2*" />
        <ColumnDefinition Width="*" />
    </Grid.ColumnDefinitions>
</Grid>
```
- B.

```
<Grid>
    <Grid.ColumnDefinitions>
        <ColumnDefinition Width="*" />
        <ColumnDefinition Width="2" />
        <ColumnDefinition Width="*" />
    </Grid.ColumnDefinitions>
</Grid>
```
- C.

```
<Grid>
    <Grid.ColumnDefinitions>
        <ColumnDefinition Width="1" />
        <ColumnDefinition Width="2" />
        <ColumnDefinition Width="1" />
    </Grid.ColumnDefinitions>
</Grid>
```
- D.

```
<Grid>
    <Grid.ColumnDefinitions>
        <ColumnDefinition Width="25" />
        <ColumnDefinition Width="50" />
        <ColumnDefinition Width="25" />
    </Grid.ColumnDefinitions>
</Grid>
```

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 57

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5. You use the following code fragment.

```
<RadioButton>Option 1</RadioButton>
<RadioButton>Option 2</RadioButton>
<RadioButton>Option 3</RadioButton>
<RadioButton>Option A</RadioButton>
```

```
<RadioButton>Option B</RadioButton>
<RadioButton>Option C</RadioButton>
```

You need to ensure that the following requirements are met:

- Options 1, 2, and 3 are mutually exclusive options.
- Options A, B, and C are mutually exclusive options.
- Keyboard shortcuts are available for each option.

What are two possible code fragments you can use to achieve this goal? (Each correct answer presents a complete solution. Choose two.)

- A. <RadioButton GroupName="First">Option &1</RadioButton>
 <RadioButton GroupName="First">Option &2</RadioButton>
 <RadioButton GroupName="First">Option &3</RadioButton>
 <RadioButton GroupName="Second">Option &A</RadioButton>
 <RadioButton GroupName="Second">Option &B</RadioButton>
 <RadioButton GroupName="Second">Option &C</RadioButton>
- B. <RadioButton GroupName="First">Option _1</RadioButton>
 <RadioButton GroupName="First">Option _2</RadioButton>
 <RadioButton GroupName="First">Option _3</RadioButton>
 <RadioButton GroupName="Second">Option _A</RadioButton>
 <RadioButton GroupName="Second">Option _B</RadioButton>
 <RadioButton GroupName="Second">Option _C</RadioButton>
- C. <RadioButton GroupName="First">Option 1</RadioButton>
 <RadioButton GroupName="First">Option 2</RadioButton>
 <RadioButton GroupName="First">Option 3</RadioButton>
 <RadioButton GroupName="Second">Option A</RadioButton>
 <RadioButton GroupName="Second">Option B</RadioButton>
 <RadioButton GroupName="Second">Option C</RadioButton>
- D. <StackPanel>
 <RadioButton>Option _1</RadioButton>
 <RadioButton>Option _2</RadioButton>
 <RadioButton>Option _3</RadioButton>
 </StackPanel>
 <StackPanel>
 <RadioButton>Option _A</RadioButton>
 <RadioButton>Option _B</RadioButton>
 <RadioButton>Option _C</RadioButton>
 </StackPanel>
- E. <StackPanel>
 <RadioButton>Option &1</RadioButton>
 <RadioButton>Option &2</RadioButton>
 <RadioButton>Option &3</RadioButton>
 </StackPanel>
 <StackPanel>
 <RadioButton>Option &A</RadioButton>
 <RadioButton>Option &B</RadioButton>
 <RadioButton>Option &C</RadioButton>
 </StackPanel>
- F. <StackPanel>
 <RadioButton>Option 1</RadioButton>
 <RadioButton>Option 2</RadioButton>
 <RadioButton>Option 3</RadioButton>
 </StackPanel>
 <StackPanel>
 <RadioButton>Option A</RadioButton>
 <RadioButton>Option B</RadioButton>
 <RadioButton>Option C</RadioButton>
 </StackPanel>

Correct Answer: BD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 58

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5. The application uses several asynchronous operations to calculate data that is displayed to the user. An operation named tommorowsWeather performs calculations that will be used by other operations. You need to ensure that tommorowsWeather runs at the highest possible priority. Which code segment should you use?

- A. tommorowsWeather.Dispatcher.BeginInvoke
(System.Windows.Threading.DispatcherPriority.Normal, new OneArgDelegate
(UpdateUserInterface), weather);
- B. tommorowsWeather.Dispatcher.BeginInvoke
(System.Windows.Threading.DispatcherPriority.DataBind, new OneArgDelegate
(UpdateUserInterface), weather);
- C. tommorowsWeather.Dispatcher.BeginInvoke
(System.Windows.Threading.DispatcherPriority.Send, new OneArgDelegate
(UpdateUserInterface), weather);
- D. tommorowsWeather.Dispatcher.BeginInvoke
(System.Windows.Threading.DispatcherPriority.Render, new OneArgDelegate
(UpdateUserInterface), weather);

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 59

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5. You add a Slider control and two buttons to a window of the application. You write the following code fragment. (Line numbers are included for reference only.)

```
01 <StackPanel Orientation="Horizontal">
02   <RepeatButton
03
04     Content="Left"/>
05   <Slider Name="slider"/>
06   <RepeatButton
07
08     Content="Right"/>
09 </StackPanel>
```

You need to control the position of the slider thumb by clicking the buttons on the window. What should you do?

- A. Insert the following code fragment at line 03.
Command="Slider.DecreaseSmall" CommandTarget="slider"
Insert the following code fragment at line 07.
Command="Slider.IncreaseSmall" CommandTarget="slider"
- B. Insert the following code fragment at line 03.
Command="DecreaseSmall" CommandTarget="{Binding ElementName=slider}"
Insert the following code fragment at line 07.
Command="IncreaseSmall" CommandTarget="{Binding ElementName=slider}"

- C. Insert the following code fragment at line 03.
 Command="Slider.DecreaseSmall" CommandTarget="{Binding ElementName=slider}"
 Insert the following code fragment at line 07.
 Command="Slider.IncreaseSmall" CommandTarget="{Binding ElementName=slider}"
- D. Insert the following code fragment at line 03.
 Command="DecreaseSmall" CommandTarget="slider"
 Insert the following code fragment at line 07.
 Command="IncreaseSmall" CommandTarget="slider"

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 60

You are creating a Windows Presentation Foundation browser application by using Microsoft .NET Framework 3.5.

The application contains a PageFunction class named CustomerPage.

You need to ensure that the CustomerPage page function can perform the following tasks:

- Accept a customer ID in the form of a string.
- Allow the user to update customer information on the page.
- Return an instance of a Customer object with the updated information.

Which class definition should you use?

- A. public partial class CustomerPage : PageFunction<string>
 {
 public CustomerPage(string CustomerID)
 {
 ...
 }
 ...
 }
- B. public partial class CustomerPage : PageFunction<Customer>
 {
 public CustomerPage(string CustomerID)
 {
 ...
 }
 ...
 }
- C. public partial class CustomerPage : PageFunction<string>
 {
 public CustomerPage()
 {
 ...
 }
 private Customer ReturnCustomer(string customerID)
 {
 ...
 }
 ...
 }
- D. public partial class CustomerPage : PageFunction<Customer>
 {
 public CustomerPage()
 {
 ...
 }
 private Customer ReturnCustomer(string customerID)
 {
 ...
 }

```
    }  
}
```

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 61

You create an assembly by using Microsoft .NET Framework 3.5.

The assembly creates a new text file in the root of the C: drive. The assembly will be used in a Windows Presentation Foundation standalone application. The assembly will also be used in a Windows Presentation Foundation XAML Browser Application (XBAP).

The assembly contains the following code segment.

(Line numbers are included for reference only.)

```
01 public void Save()  
02 {  
03  
04     FileStream stream = File.Create("c:\\newfile.txt");  
05     try  
06     {  
07         StreamWriter writer = new StreamWriter(stream);  
08         try  
09         {  
10             writer.WriteLine("Bew line in text file");  
11         }  
12         finally  
13         {  
14             writer.Dispose();  
15         }  
16     }  
17     finally  
18     {  
19         stream.Dispose();  
20     }  
21 }  
22 }
```

You need to ensure that the assembly functions without propagating errors in both standalone and XBAP applications.

What should you do?

- A. Configure the assembly to use the Nothing Permission set.
- B. Configure the assembly to use the Partial Trust Permission set.
- C. Demand the FileIOPermissionAccess.Write permission in line 03 and add an exception handler at line 21.
- D. Demand the FileIOPermissionAccess.Append permission in line 03 and add an exception handler at line 21.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 62

Your company has deployed a Windows Presentation Foundation application on client computers by using the ClickOnce technology.

The application interrupts the users in their tasks by prompting them to look for updates. You need to ensure that the application automatically detects updates without blocking the users interaction with the application. What should you do?

- A. Call the ApplicationDeployment.CheckForUpdate() function from the startup routine of the application.
- B. Add an expiration element to the deployment manifest file. Set the maximumAge attribute to 24 and the unit attribute to hour.
- C. Add the beforeApplicationStartup element to the deployment manifest file.
Configure a schedule job to launch another instance of the application in the background once a day.
- D. Add a System.Windows.Threading.DispatcherTimer object and the ApplicationDeployment.CheckForUpdateAsync() function to the code-behind file.
Set the Interval property of the System.Windows.Threading.DispatcherTimer object to 1 day.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 63

You create a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5.

You perform the following two tasks:

- Use a digital certificate that is generated by an internal certificate authority (CA) to sign the application.
- Store the application files on a central Web site.

You instruct the users to access the Web site and start the application by using the ClickOnce technology. The users report that their attempts to start the application fail.

You need to ensure that the users can use the application.

What should you do?

- A. Deploy the digital certificate on the Trusted Publisher store of the Web server.
- B. Deploy the digital certificate on the Trusted Publisher store of each client computer.
- C. Redeploy the application by using Microsoft Visual Studio 2005 Publish Wizard.
- D. Recompile the application by using a key file that is generated by the sn.exe file.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 64

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5.

You create an XAML page named Inventory Management for the application.

You add a bound TextBox control named txtSetInventoryLevel to the page. The TextBox control is set to explicitly update the data source.

You add the following method to update the inventory level.

```
01 private void UpdateInventoryLevel(int quantity)
02 {
03     ...
04 }
```

You need to ensure that the changes made in the txtSetInventoryLevel TextBox control are reflected in the data source.

Which code segment should you insert at line 03?

- A. Binding binding = BindingOperations.GetBinding(txtSetInventoryLevel, TextBox.TextProperty)
binding.Mode = BindingMode.OneTime
- B. Binding binding = BindingOperations.GetBinding(txtSetInventoryLevel, TextBox.TextProperty)
binding.Mode = BindingMode.OneWayToSource
- C. BindingExpression binding = txtSetInventoryLevel.GetBindingExpression(TextBox.TextProperty)
binding.UpdateSource()
- D. BindingExpression binding = txtSetInventoryLevel.GetBindingExpression(TextBox.TextProperty)
binding.UpdateTarget()

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 65

You are creating a Windows Presentation Foundation application to track inventory levels.

You use Microsoft .NET Framework 3.5 to create the application. You need to create a Product class to propagate changes from the InventoryLevel property to the InventoryLevel label control.

Which code segment should you use?

- A.

```
public class Product
{
    private int _inventoryLevel;
    public int InventoryLevel
    {
        get { return _inventoryLevel; }
        set { _inventoryLevel = value; }
    }
}
```
- B.

```
public class Product : DependencyObject
{
    private int _inventoryLevel;
    public int InventoryLevel
    {
        get { return _inventoryLevel; }
        set { _inventoryLevel = value; }
    }
}
```
- C.

```
public class Product
{
    public event EventHandler PropertyChanged;
    private int _inventoryLevel;
    public int InventoryLevel
    {
        get { return _inventoryLevel; }
        set
        {
            _inventoryLevel = value;
            PropertyChanged(this, EventArgs.Empty);
        }
    }
}
```
- D.

```
public class Product : INotifyPropertyChanged
{
    public event PropertyChangedEventHandler PropertyChanged;
```

```

private int _inventoryLevel;
public int InventoryLevel
{
    get { return _inventoryLevel; }
    set
    {
        _inventoryLevel = value;
        PropertyChanged(this, new PropertyChangedEventArgs("InventoryLevel"));
    }
}

```

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 66

You are creating a Windows Presentation Foundation application. You create the application by using Microsoft .NET Framework 3.5.

You create a window that has two tabs for the application. You associate the following XAML code fragment with the tab control that contains the two tabs.

```

<Window.Resources>
    <c:PetSelection x:Key="myPetSelection" />
</Window.Resources>

```

You add a property named Index to the PetSelection class. You need to ensure that when the user clicks a tab, the SelectedIndex property value of the tab control is transferred to the Index property of the myPetSelection object.

Which XAML code fragment should you use?

- A. <TabControl SelectedIndex="{Binding Path=Index, Mode=OneWay, Source={StaticResource myPetSelection}}" IsSynchronizedWithCurrentItem="True">
 <TabItem Header="Dogs">Dogs</TabItem>
 <TabItem Header="Cats">Cats</TabItem>
 </TabControl>
- B. <TabControl SelectedIndex="{Binding Path=Index, Mode=OneWayToSource, Source={StaticResource myPetSelection}}" IsSynchronizedWithCurrentItem="True">
 <TabItem Header="Dogs">Dogs</TabItem>
 <TabItem Header="Cats">Cats</TabItem>
 </TabControl>
- C. <TabControl SelectedIndex="{Binding Path=Index, Mode=OneTime, Source={StaticResource myPetSelection}}" IsSynchronizedWithCurrentItem="True">
 <TabItem Header="Dogs">Dogs</TabItem>
 <TabItem Header="Cats">Cats</TabItem>
 </TabControl>
- D. <TabControl SelectedIndex="{Binding Path=PetSelection, Mode=Default, Source={StaticResource myPetSelection}}" IsSynchronizedWithCurrentItem="True">
 <TabItem Header="Dogs">Dogs</TabItem>
 <TabItem Header="Cats">Cats</TabItem>
 </TabControl>

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 67

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5. The application contains a CheckBox control named checkBox1 and a TextBox control named t1. The application contains the following code segment.

```
public class CheckBoxToColorConverter : System.Windows.Data.IValueConverter
{
    public object Convert(object valueIn, System.Type targetType, object parameter,
System.Globalization.CultureInfo culture)
    {
        bool isChecked = Convert.ToBoolean(valueIn) ;
        switch (isChecked)
        {
            case true:
                return "Green";

            default:
                break;
        }

        return "Red";
    }
}
```

You write the following code fragment.

```
01 <Window.Resources>
02     <src:CheckBoxToColorConverterKey="checkBoxToColorConverter" />
03     <Style x:Key="CheckBoxChecked">
04         <Setter Property="Control.Template" Value="checkBoxToColorConverter" >
05         </Setter>
06     </Style>
07 </Window.Resources>
08 <StackPanel>
09
10     <CheckBox Name="checkBox1">Check For Green</CheckBox>
11 </StackPanel>
```

You need to ensure that when checkBox1 is in the selected state, the background of t1 changes to red. Which code segment should you insert at line 09?

- A. <TextBox Text="TextBox" x:Name="t1" Background="{Binding Path=IsChecked, ElementName=TextBox, Mode=Default, Converter={StaticResource checkBoxToColorConverter}}"/>
- B. <TextBox Text="TextBox" x:Name="t1" Background="{Binding Path=IsChecked, ElementName=checkBox1, Mode=Default, Converter={StaticResource checkBoxToColorConverter}}"/>
- C. <StackPanel>
 <TextBox Text="TextBox" x:Name="t1" Background="{Binding ElementName=checkBox1}"/>
 <CheckBox Name="checkBox1">Check For Green</CheckBox>
 </StackPanel>
- D. <TextBox Text="TextBox" x:Name="t1" Background="{Binding Path=IsChecked, ElementName=checkBox1, Mode=Default, Converter={StaticResource CheckBoxChecked}}"/>

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:**QUESTION 68**

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5.

The application includes the following features:

- A data provider control.
- Twenty TextBox controls bound to the data provider.
- A Submit button that saves the TextBox values to a data source.

Business rules state that the value entered in the UserName TextBox control cannot be the same as any other UserName values in the data source.

You need to provide feedback to the user as early as possible when a duplicate value is entered in the UserName TextBox control.

What should you do?

- A. Use the ExceptionValidationRule class.
- B. Use the OneWay BindingMode enumeration value.
- C. Create and use a class that inherits from the ValidationRule base class.
- D. Add an exception handler to the Click event handler for the Submit button.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:**QUESTION 69**

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5.

The application contains a class named Place that has the following attributes:

- CityName: a string value that represents the name of a city
- State: a string value that represents the name of a state
- The application also has a collection of Place objects named places.

You need to create a Collection View on the places collection that meets the following requirements:

- The view is grouped by the state name.
- The view is sorted by the city name.

Which XAML code fragment should you use?

- A.

```
<Window.Resources>
    <src:Places x:Key="places" />
    <CollectionViewSource Source="{StaticResource places}" x:Key="cvs">
        <CollectionViewSource.SortDescriptions>
            <scm:SortDescription PropertyValue="CityName" />
        </CollectionViewSource.SortDescriptions>
        <CollectionViewSource.GroupDescriptions>
            <dat:PropertyGroupDescription PropertyValue="State" />
        </CollectionViewSource.GroupDescriptions>
    </CollectionViewSource>
</Window.Resources>
```
- B.

```
<Window.Resources>
    <src:Places x:Key="places" />
    <CollectionViewSource Source="{StaticResource places}" x:Key="cvs">
        <CollectionViewSource.SortDescriptions>
            <scm:SortDescription PropertyName="State" />
        </CollectionViewSource.SortDescriptions>
        <CollectionViewSource.GroupDescriptions>
            <dat:PropertyGroupDescription PropertyName="CityName" />
        </CollectionViewSource.GroupDescriptions>
    </CollectionViewSource>
```

```

</Window.Resources>
C. <Window.Resources>
  <src:Places x:Key="places"/>
  <CollectionViewSource Source="{StaticResource places}" x:Key="cvs">
    <CollectionViewSource.SortDescriptions>
      <scm:SortDescription PropertyName="CityName"/>
    </CollectionViewSource.SortDescriptions>
    <CollectionViewSource.GroupDescriptions>
      <dat:PropertyGroupDescription PropertyName="State"/>
    </CollectionViewSource.GroupDescriptions>
  </CollectionViewSource>
</Window.Resources>
D. <Window.Resources>
  <src:Places x:Key="places"/>
  <CollectionViewSource Source="{StaticResource places}" x:Key="cvs">
    <CollectionViewSource.SortDescriptions>
      <scm:SortDescription PropertyValue="State"/>
    </CollectionViewSource.SortDescriptions>
    <CollectionViewSource.GroupDescriptions>
      <dat:PropertyGroupDescription PropertyValue="CityName"/>
    </CollectionViewSource.GroupDescriptions>
  </CollectionViewSource>
</Window.Resources>

```

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 70

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5. You write the following code fragment.

```

<Page.Resources>
  <TextBlock x:Key="copyright" Text="Copyright Wingtip Toys 2008"/>
</Page.Resources>

```

You need to ensure that the copyright message is displayed on the pages of the application. Which XAML code fragment should you use?

- A. <ContentControl Content="{Binding copyright}"/>
- B. <ContentControl Content="{StaticResource copyright}"/>
- C. <ContentControl Content="{Binding copyright, Path=Text}"/>
- D. <ContentControl Content="{Binding ElementName=copyright }"/>
- E. <ContentControl Content="{Binding Source={StaticResource copyright}, Path=Content}"/>

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 71

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5. You need to display the title of the page in a TextBlock control that is placed at the top of a page.

Which XAML code fragment should you use?

- A. <TextBlock Text="{Binding Path=Title, Source=Page}" />
- B. <TextBlock Text="{Binding Path=Title, Source={x:Type Page}}"/>
- C. <TextBlock Text="{Binding Path=Title, RelativeSource= {RelativeSource FindAncestor, AncestorType={x:Type Page}}}" />
- D. <TextBlock Text="{Binding Path=Title, RelativeSource={RelativeSource this}}"/>

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 72

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5. The application contains a data source and a TextBox control named txtUnitPrice. The Text property of the txtUnitPrice control is bound to the data source by using two-way binding. You write the following code segment.

```
01 private void OverridePrice(decimal newPrice)
02 {
03
04     txtUnitPrice.Text = newPrice;
05 }
```

You need to ensure that after the OverridePrice method is called, changes to the data source do not propagate to txtUnitPrice.

Which code segment should you insert at line 03?

- A. txtUnitPrice.Clear();
- B. txtUnitPrice.DataContext = null;
- C. BindingOperations.ClearBinding(txtUnitPrice, TextBox.TextProperty);
- D. Binding binding = BindingOperations.GetBinding(txtUnitPrice, TextBox.TextProperty);
 binding.NotifyOnSourceUpdated = False

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 73

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5. You create a window by using XAML code. You add a button to the window.

You need to ensure that the font weight of the button changes to bold when either of the following events occur:

- The mouse pointer is moved over the button.
- The button is focused.

Which XAML code fragment should you use?

- A. <Style.Triggers>
 <DataTrigger Binding="{Binding Path=IsMouseOver}" Value="True">
 <Setter Property="FontWeight" Value="Bold" />
 </DataTrigger>
 <DataTrigger Binding="{Binding Path=IsFocused}" Value="True">

```

        <Setter Property="FontWeight" Value="Bold" />
    </DataTrigger>
</Style.Triggers>
B. <Style.Triggers>
    <MultiTrigger>
        <MultiTrigger.Conditions>
            <Condition Property="IsMouseOver" Value="True" />
            <Condition Property="IsFocused" Value="True" />
        </MultiTrigger.Conditions>
        <Setter Property="FontWeight" Value="Bold" />
    </MultiTrigger>
</Style.Triggers>
C. <Style.Triggers>
    <Trigger Property="IsMouseOver" Value="True">
        <Setter Property="FontWeight" Value="Bold" />
    </Trigger>
    <Trigger Property="IsFocused" Value="True">
        <Setter Property="FontWeight" Value="Bold" />
    </Trigger>
</Style.Triggers>
D. <Style.Triggers>
    <MultiDataTrigger>
        <MultiDataTrigger.Conditions>
            <Condition Binding="{Binding Path=IsMouseOver}" Value="True" />
            <Condition Binding="{Binding Path=IsFocused}" Value="True" />
        </MultiDataTrigger.Conditions>
        <Setter Property="FontWeight" Value="Bold" />
    </MultiDataTrigger>
</Style.Triggers>

```

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 74

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5.
You write the following code segment.

(Line numbers are included for reference only.)

```

01 StackPanel stack = new StackPanel();
02 Content = stack;
03 Button btOpen = new Button();
04 btOpen.Content = "Open";
05 Setter setter = new Setter(Button.BackgroundProperty, Brushes.Blue);
06 Style style = new Style();
07 style.Setters.Add(setter);
08 stack.Children.Add(btOpen);
09

```

You need to ensure that the Button control has a blue background.
Which line of code should you insert at line 09?

- A. stack.Resources.Add("Button", style);
- B. stack.Resources.Add(btOpen.GetType(), style);
- C. stack.Resources.Add("{x:Type Button}", style);
- D. stack.Resources.Add("System.Windows.Control.Button", style);

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 75

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5.

The application contains the following elements:

- A button that has the text content "OK"
- A button that has the text content "Apply"
- A button that has the text content "Cancel"
- A custom control template that updates the appearance of Button controls

When you apply the custom control template to the three buttons, the buttons appear identical and their content text is not displayed.

You need to ensure that the content text of each button is displayed. What should you do?

- A. Add a static resource to the application.
- B. Add a dynamic resource to the application.
- C. Update the control template to use a ValueConverter class.
- D. Update the control template to use a TemplateBinding class.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 76

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5.

You write the following XAML code fragment.

```
<Rectangle Name="SplineTest">
    <Rectangle.RenderTransform>
        <TranslateTransform x:Name="SplineTestTrans" X="0" Y="0" />
    </Rectangle.RenderTransform>
    <Rectangle.Triggers>
        <EventTrigger RoutedEvent="Rectangle.MouseLeftButtonDown">
            <EventTrigger.Actions>
                <BeginStoryboard>
                    <Storyboard>
                        ...
                    </Storyboard>
                </BeginStoryboard>
            </EventTrigger.Actions>
        </EventTrigger>
    </Rectangle.Triggers>
</Rectangle>
```

You need to ensure that the Rectangle object shifts diagonally downwards when a user clicks it. Which XAML code fragment should you use?

- A. <DoubleAnimation Storyboard.TargetProperty="RenderTransform.(TranslateTransform.X)" From="0" To="200"/>
- B. <DoubleAnimation Storyboard.TargetName= "SplineTestTrans"
 Storyboard.TargetProperty="RenderTransform.Angle" From="0" To="360" Duration="0:0:1"/>

C. <DoubleAnimationUsingKeyFrames Storyboard.TargetName="Trans" Storyboard.TargetProperty="Y" Duration="0:0:15">
 <LinearDoubleKeyFrame Value="350" KeyTime="0:0:7"/>
 <LinearDoubleKeyFrame Value="50" KeyTime="0:0:5"/>
 <LinearDoubleKeyFrame Value="200" KeyTime="0:0:3"/>
 </DoubleAnimationUsingKeyFrames>

D. <DoubleAnimationUsingKeyFrames Storyboard.TargetName="SplineTestTrans" Storyboard.TargetProperty="X" Duration="0:0:15">
 <SplineDoubleKeyFrame Value="350" KeyTime="0:0:7" KeySpline="0.0,1.0, 1.0,0.0"/>
 </DoubleAnimationUsingKeyFrames>
<DoubleAnimationUsingKeyFrames
Storyboard.TargetName="SplineTestTrans" Storyboard.TargetProperty="Y" Duration="0:0:15">
<SplineDoubleKeyFrame Value="350" KeyTime="0:0:7" KeySpline="0.0,1.0, 1.0,0.0"/>
</DoubleAnimationUsingKeyFrames>

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 77

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5.

You write the following XAML code fragment.

(Line numbers are included for reference only.)

```
01 <DockPanel>
02   <DockPanel.Resources>
03     <Style TargetType="Button">
04       <Style.Triggers>
05
06       </Style.Triggers>
07     </Style>
08   </DockPanel.Resources>
09   <Button Content="Cut">
10     <Button.Triggers>
11
12     </Button.Triggers>
13   </Button>
14 </DockPanel>
```

You need to ensure that the following requirements are met:

- When the mouse is over the button, the foreground of the button turns yellow.
- When the button is pressed, the foreground of the button turns green.

What should you do?

- A. Insert the following XAML code fragment at line 11.

```
<Trigger Property="Button.IsMouseOver" Value="True">
  <Setter Property="Button.Foreground" Value="Yellow" />
</Trigger>
<Trigger Property="Button.IsPressed" Value="True">
  <Setter Property="Button.Foreground" Value="Green" />
</Trigger>
```

- B. Insert the following XAML code fragment at line 11.

```
<Trigger Property="Button.IsPressed" Value="True">
  <Setter Property="Button.Foreground" Value="Green" />
</Trigger>
<Trigger Property="Button.IsMouseOver" Value="True">
  <Setter Property="Button.Foreground" Value="Yellow" />
```

```

</Trigger>
C. Insert the following XAML code fragment at line 05.
<Trigger Property="IsMouseOver" Value="True">
    <Setter Property="Foreground" Value="Yellow" />
</Trigger>
<Trigger Property="IsPressed" Value="True">
    <Setter Property="Foreground" Value="Green" />
</Trigger>

```

```

D. Insert the following XAML code fragment at line 05.
<Trigger Property="IsPressed" Value="True">
    <Setter Property="Foreground" Value="Green" />
</Trigger>
<Trigger Property="IsMouseOver" Value="True">
    <Setter Property="Foreground" Value="Yellow" />
</Trigger>

```

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 78

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5. You are defining a template as a resource in the application. The template will be applied to a button. You need to ensure that the template definition meets the following requirements:

- An image must appear to the left of the button.
- The content for the button must appear to the right of the button image.
- The template must be restricted only to button controls.

Which code segment should you use?

- A. <ControlTemplate x:Key="tpKey" TargetType="{x:Type Button}">
 <StackPanel Orientation="Horizontal">
 <Image Source="help.jpg" />
 <ContentControl Content="{TemplateBinding Content}" />
 </StackPanel>
</ControlTemplate>
- B. <ControlTemplate x:Key="tpKey">
 <Button>
 <StackPanel Orientation="Horizontal">
 <Image Source="help.jpg" />
 <ContentControl Content="Button.Content" />
 </StackPanel>
 </Button>
</ControlTemplate>
- C. <ControlTemplate x:Key="tpKey">
 <Button>
 <StackPanel Orientation="Horizontal">
 <Image Source="help.jpg" />
 <ContentControl Content="{TemplateBinding Button.Content}" />
 </StackPanel>
 </Button>
</ControlTemplate>
- D. <ControlTemplate x:Key="tpKey" TargetType="{x:Type Button}">
 <Button>
 <StackPanel Orientation="Horizontal">
 <Image Source="help.jpg" />
 <ContentControl Content="Parent.Content" />
 </StackPanel>

```
</Button>
</ControlTemplate>
```

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 79

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5. The application will be translated into several languages. A TextArea control in the application contains text that will be translated. You need to add a comment for the person who will be translating the text. What should you do?

- A. Add a Resources attribute to the TextArea control. Write the comment as a value of this attribute by using the appropriate syntax.
- B. Add a TextDecorations attribute to the TextArea control. Write the "Comments:" string as a value of this attribute. Add the comment to the string.
- C. Add a Localization.Comments attribute to the TextArea control. Write the comment as a value of this attribute by using the appropriate syntax.
- D. Add a Resources attribute to the TextArea control. Build the application and then use the LocBaml tool to create a text file from the resources that are generated.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 80

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5. You add a ListBox control to the user interface of the application. The ListBox control is data bound to a collection of items. Each item contains the Name and the Url properties of the System.String type. The Url property contains a path to an image. You need to modify the definition of the ListBox control to meet the following requirements:

- Each item must be displayed on a separate line.
- Each line must contain text that displays the Name property of the item to the left of the line.
- The image that corresponds to the item must appear to the right of the text.

Which XAML code fragment should you use?

- A.

```
<ListBox Name="lst">
    <ListBox.Template>
        <StackPanel Orientation="Horizontal">
            <TextBlock Text="{Binding Name}" />
            <Image Source="{Binding Url}" />
        </StackPanel>
    </ListBox.Template>
</ListBox>
```
- B.

```
<ListBox Name="lst">
    <ListBox.ItemsPanel>
        <StackPanel Orientation="Horizontal">
            <TextBlock Text="{Binding Name}" />
            <Image Source="{Binding Url}" />
        </StackPanel>
    </ListBox.ItemsPanel>
</ListBox>
```

```

C. <ListBox Name="lst">
    <DataTemplate>
        <StackPanel Orientation="Horizontal">
            <TextBlock Text="{Binding Name}" />
            <Image Source="{Binding Url}" />
        </StackPanel>
    </DataTemplate>
</ListBox>

D. <ListBox Name="lst">
    <ListBox.ItemTemplate>
        <DataTemplate>
            <StackPanel Orientation="Horizontal">
                <TextBlock Text="{Binding Name}" />
                <Image Source="{Binding Url}" />
            </StackPanel>
        </DataTemplate>
    </ListBox.ItemTemplate>
</ListBox>

```

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 81

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5. The application-definition file contains the following XAML code fragment.

```

<Application.Resources>
    <Style x:Key="ContentControlStyle">
        <Setter Property="ContentControl.Background" Value="Magenta" />
    </Style>
</Application.Resources>

```

You add a window to the application. The window definition includes the following XAML code fragment.

```

<Window.Style>
    <Style>
        <Setter Property="Button.Background" Value="Green" />
    </Style>
</Window.Style>
<Button Content="Open" Background="Yellow" >
    <Button.Style>
        <Style>
            <Setter Property="Button.Background" Value="Blue" />
        </Style>
    </Button.Style>
</Button>

```

You need to identify the background color of the Button control.

Which color should you choose?

- A. Blue
- B. Green
- C. Yellow
- D. Magenta

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 82

You are creating a partial trust XAML Browser Application (XBAP) in Windows Presentation Foundation by using Microsoft .NET Framework 3.5.

The application needs to display an image named Forest.jpg. The image can be replaced without rebuilding the application. You need to ensure that the application correctly references the image.

Which code fragment should you use?

- A. <Image Source="Forest.jpg"/>
- B. <Image Source="pack://resource:,,,/Forest.jpg"/>
- C. <Image Source="pack://application:,,,/Forest.jpg"/>
- D. <Image Source="pack://siteoforigin:,,,/Forest.jpg"/>

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 83

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5.

You include functionality in the application to troubleshoot the window behavior.

You need to display a list of UI elements at a position in the window that is decided by the mouse click. You also need to ensure that the list of elements is displayed in a message box.

Which code segment should you include in the code-behind file?

- A. string controlsToDisplay = string.Empty;

```
private void Window_MouseDown( object sender, MouseButtonEventArgs e )
{
    controlsToDisplay = ((UIElement)sender).ToString();
    MessageBox.Show(controlsToDisplay);
}
```
- B. string controlsToDisplay = string.Empty;

```
private void Window_MouseDown(object sender, MouseButtonEventArgs e)
{
    for (int i = 0 ; i <= VisualChildrenCount - 1; ++i)
        controlsToDisplay += GetVisualChild(i).ToString() + "\r\n" ;

    MessageBox.Show(controlsToDisplay);
}
```
- C. string controlsToDisplay = string.Empty;

```
private void Window_MouseDown( object sender, MouseButtonEventArgs e )
{
    Visual myVisual;

    for (int i = 0; i <= VisualTreeHelper.GetChildrenCount((Visual)sender) - 1; ++
    i)
    {
        myVisual = (Visual)VisualTreeHelper.GetChild((Visual)sender, i);
        controlsToDisplay += myVisual.GetType().ToString() + "\r\n" ;
    }
    MessageBox.Show(controlsToDisplay);
}
```

```

        }
D. string controlsToDisplay = string.Empty;

private void Window_MouseDown(object sender, MouseButtonEventArgs e)
{
    Point pt = e.GetPosition(this) ;
    VisualTreeHelper.HitTest(this, null, new HitTestResultCallback
(HitTestCallback), new PointHitTestParameters(pt));
    MessageBox.Show(controlsToDisplay);
}

private HitTestResultBehavior HitTestCallback(HitTestResult result)
{
    controlsToDisplay += result.VisualHit.GetType().ToString() + "\r\n" ;
    return HitTestResultBehavior.Continue;
}

```

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 84

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5.
You write the following code fragment.

(Line numbers are included for reference only.)

```

01 <Viewport3D>
02   <Viewport3D.Resources>
03
04     <DiffuseMaterial x:Key="Material" Brush="Black" />
05     <GeometryModel3D x:Key="GeometryModel" Geometry="{StaticResource Mesh}" 
Material="{StaticResource 07 Material}" />
06   </Viewport3D.Resources>
07   <ModelVisual3D Content="{StaticResource GeometryModel}" />
08 </Viewport3D>

```

You need to display a triangle

Which code fragment should you insert at line 03?

- A. <MeshGeometry3D x:Key="Mesh" Positions="-1 0 5, 1 0 -5, 0 1 5, 5 -1 -1" />
- B. <MeshGeometry3D x:Key="Mesh" Positions="-5 0 1, -5 0 -1, -5 1 1" />
- C. <MeshGeometry3D x:Key="Mesh" Positions="-5 0 1, -5 0 -1, -5 1 1, -5 -1 1" />
- D. <MeshGeometry3D x:Key="Mesh" Positions="-1 0 -5, 1 0 -5, 0 1 -5" />

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 85

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5.
The application will display a flow document.

You need to add a graphic and its associated descriptive text in the flow document so that the following requirements are met:

- The graphic and the descriptive text appear as a sidebar at the beginning of the document.
- The exact placement of the sidebar is not critical.
- The existing document text flows around the graphic and descriptive text.
- The descriptive text is not truncated.

Which XAML fragment should you use?

- A. <Paragraph>
 <Image Source="NancyAnderson.jpg" Width="150" />
 "Education includes a BA in psychology from Colorado State University in
 1970.
 She also completed 'The Art of the Cold Call.' Nancy is a member of
 Toastmasters International."
 </Paragraph>
- B. <Floater Width="200">
 <BlockUIContainer>
 <Image Source="NancyAnderson.jpg" Width="150" />
 </BlockUIContainer>
 <Paragraph>
 "Education includes a BA in psychology from Colorado State University in
 1970.
 She also completed 'The Art of the Cold Call.' Nancy is a member of
 Toastmasters International."
 </Paragraph>
 </Floater>
- C. <Figure Width="200">
 <BlockUIContainer>
 <Image Source="NancyAnderson.jpg" Width="150" />
 </BlockUIContainer>
 <Paragraph>
 "Education includes a BA in psychology from Colorado State University in
 1970.
 She also completed 'The Art of the Cold Call.' Nancy is a member of
 Toastmasters International."
 </Paragraph>
 </Figure>
- D. <Section>
 <BlockUIContainer>
 <Image Source="NancyAnderson.jpg" Width="150" />
 </BlockUIContainer>
 <Paragraph>
 "Education includes a BA in psychology from Colorado State University in
 1970.
 She also completed 'The Art of the Cold Call.' Nancy is a member of
 Toastmasters International."
 </Paragraph>
 </Section>

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 86

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5. The application has a window that programmatically displays an image. The window contains a grid named theGrid. The window displays images in their actual size. You want the images to be 200 pixels wide. You write the following code segment.

<http://www.gratisexam.com/>

```
01 Image theImage = new Image();
02 theImage.Width = 200;
03 BitmapImage theBitmapImage = new BitmapImage();
04
05 theImage.Source = theBitmapImage;
06 theGrid.Children.Add(theImage);
```

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

- The window uses the least amount of memory to display the image.
- The image is not skewed.

Which code segment should you insert at line 04?

- A. theBitmapImage.UriSource = new Uri("imageToDisplay.jpg")
 theBitmapImage.DecodePixelWidth = 200
- B. theBitmapImage.BeginInit()
 theBitmapImage.UriSource = New Uri("imageToDisplay.jpg")
 theBitmapImage.EndInit()
- C. theBitmapImage.BeginInit()
 theBitmapImage.UriSource = New Uri("imageToDisplay.jpg")
 theBitmapImage.DecodePixelWidth = 200
 theBitmapImage.EndInit()
- D. theBitmapImage.BeginInit()
 theBitmapImage.UriSource = New Uri("imageToDisplay.jpg")
 theBitmapImage.EndInit()
 theBitmapImage.DecodePixelWidth = 200
 theBitmapImage.DecodePixelHeight = 200

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 87

You are creating a Windows Presentation Foundation (WPF) application by using Microsoft .NET Framework 3.5.

The application contains a window that programmatically displays an image. The window contains a Grid control named theGrid. You write the following code segment.

(Line numbers are included for reference only.)

```
01 Image theImage = new Image();
02 theImage.Width = 200;
03 BitmapImage theBitmapImage = new BitmapImage();
04 theBitmapImage.BeginInit();
05 theBitmapImage.UriSource = new Uri("imageToDisplay.jpg");
06 theBitmapImage.DecodePixelWidth = 200;
07 theBitmapImage.EndInit();
08
09 theGrid.Children.Add(theImage);
```

You need to crop an elliptical region of the image such that the ellipse is centered at the location X=75 and Y=50.

Which code segment should you insert at line 08?

- A. CroppedBitmap croppedBitmap = new CroppedBitmap(theBitmapImage, new Int32Rect(75, 50, 105, 50));
theImage.Source = theBitmapImage;
- B. CroppedBitmap croppedBitmap = new CroppedBitmap();
croppedBitmap.Source = theBitmapImage;
croppedBitmap.SourceRect = new Int32Rect(75, 50, 105, 50);
theImage.Source = theBitmapImage;
- C. theImage.Source = theBitmapImage;
EllipseGeometry clipGeometry = new EllipseGeometry(new Point(75, 50), 50, 25);
theImage.Clip = clipGeometry;
- D. theImage.Source = theBitmapImage;
EllipseGeometry clipGeometry = new EllipseGeometry();
clipGeometry.Center = new Point(75, 50);
theImage.Clip = clipGeometry ;

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 88

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5. You add a window that displays a Button control. You need to ensure that the Button control displays an ellipse that occupies the entire button control area.

Which code fragment should you use?

- A. <Button MinHeight="20">
 <VisualBrush>
 <VisualBrush.Visual>
 <Ellipse Width="12.5" Height="25" />
 </VisualBrush.Visual>
 </VisualBrush>
</Button>
- B. <Button MinHeight="20">
 <Button.Background>
 <VisualBrush>
 <VisualBrush.Visual>
 <Ellipse Width="12.5" Height="25" />
 </VisualBrush.Visual>
 </VisualBrush>
 </Button.Background>
</Button>
- C. <Button MinHeight="20">
 <GeometryDrawing>
 <GeometryDrawing.Pen>
 <Pen Thickness="1" Brush="Black" />
 </GeometryDrawing.Pen>
 <GeometryDrawing.Geometry>
 <EllipseGeometry RadiusX="12.5" RadiusY="25" />
 </GeometryDrawing.Geometry>
 </GeometryDrawing>
</Button>
- D. <Button MinHeight="50">

```

<Button.Background>
  <DrawingBrush>
    <DrawingBrush.Drawing>
      <GeometryDrawing>
        <GeometryDrawing.Pen>
          <Pen Thickness="1" Brush="Black" />
        </GeometryDrawing.Pen>
        <GeometryDrawing.Geometry>
          <EllipseGeometry RadiusX="12.5" RadiusY="25" />
        </GeometryDrawing.Geometry>
      </GeometryDrawing>
    </DrawingBrush.Drawing>
  </DrawingBrush>
</Button.Background>
</Button>

```

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 89

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5. You plan to use the application to preview video files. You write the following XAML code fragment.

```

01 <Window x:Class="myClass" xmlns= "http://schemas.microsoft.com/winfx/2006/
xaml/presentation" xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"
Title="myWindow" Height="300" Width="300">
02   <StackPanel Background="Black">
03
04     <StackPanel HorizontalAlignment="Center" Orientation="Horizontal">
05       <Button Name="btnPlay" Margin="10" Content="Play" />
06     </StackPanel>
07
08   </StackPanel>
09 </Window>

```

You need to ensure that the application plays only the first 10 seconds of a video that you want to preview. Which two actions should you perform? (Each correct answer presents part of the solution. Choose two.)

- A. Insert the following XAML fragment at line 03.

```
<MediaElement Name="myMediaElement" Stretch="Fill" />
```

- B. Insert the following XAML fragment at line 03.

```
<MediaElement Name="myMediaElement" Source="MediaFileSelected.wmv"
Stretch="Fill" />
```

- C. Create the following method in the code-behind file.

```
public void PlayMedia(object sender, RoutedEventArgs args)
{
  myMediaElement.Play();
}
```

- D. Insert the following XAML fragment at line 07.

```
<StackPanel.Triggers>
  <EventTrigger RoutedEvent="Button.Click" SourceName="btnPlay">
    <EventTrigger.Actions>
      <BeginStoryboard Name= "myBegin">
        <Storyboard SlipBehavior="Slip">
          <MediaTimeline Source="MediaFileSelected.wmv"
Storyboard.TargetName="myMediaElement" BeginTime="0:0:0" Duration="0:0:10" />
```

```
</Storyboard>
</BeginStoryboard>
</EventTrigger.Actions>
</EventTrigger>
</StackPanel.Triggers>
```

E. Insert the following XAML fragment at line 07.

```
<StackPanel.Triggers>
<EventTrigger RoutedEvent="Button.Click" SourceName="btnPlay">
<EventTrigger.Actions>
<BeginStoryboard Name= "myBegin">
<Storyboard SlipBehavior="Slip">
<MediaTimeline Storyboard.TargetName="myMediaElement"
BeginTime="0:0:0" Duration="0:0:10" />
</Storyboard>
</BeginStoryboard>
</EventTrigger.Actions>
</EventTrigger>
</StackPanel.Triggers>
```

Correct Answer: AD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 90

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5. You create a window in the application. You plan to select a layout control to host the elements that you add to the window.

You need to select a control that meets the following requirements with its default properties:

1. The elements stretch horizontally to occupy the available width of the window.
2. The elements do not stretch vertically.

Which control should you use?

- A. The Grid control
- B. The Canvas control
- C. The WrapPanel control
- D. The StackPanel control

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 91

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5. The application will display articles that contain photographs, geometric figures, and other rich content. You plan to format the articles in flow documents.

You need to select a XAML element that provides the following functionality by default:

- Searches the content of any article.
- Views any article in single-page and multiple-page layouts.
- Adjusts the font size of the content.

What should you do?

- A. Encapsulate the articles in a <RichTextBox></RichTextBox> XAML element.

- B. Encapsulate the articles in a <FlowDocumentReader></FlowDocumentReader> XAML element.
- C. Encapsulate the articles in a <FlowDocumentPageViewer></FlowDocumentPageViewer> XAML element.
- D. Encapsulate the articles in a <FlowDocumentScrollViewer></FlowDocumentScrollViewer> XAML element.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 92

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5. You add a Slider control and two buttons to a window of the application. You write the following code fragment. (Line numbers are included for reference only.)

```
01 <StackPanel Orientation="Horizontal">
02   <RepeatButton
03     Content="Left" />
04   <Slider Name="slider" />
05   <RepeatButton
06     Content="Right" />
07 </StackPanel>
```

You need to control the position of the slider thumb by clicking the buttons on the window. What should you do?

- A. Insert the following code fragment at line 03.
Command="Slider.DecreaseSmall" CommandTarget="slider"
Insert the following code fragment at line 07.
Command="Slider.IncreaseSmall" CommandTarget="slider"
- B. Insert the following code fragment at line 03.
Command="DecreaseSmall" CommandTarget="{Binding ElementName=slider}"
Insert the following code fragment at line 07.
Command="IncreaseSmall" CommandTarget="{Binding ElementName=slider}"
- C. Insert the following code fragment at line 03.
Command="Slider.DecreaseSmall" CommandTarget="{Binding ElementName=slider}"
Insert the following code fragment at line 07.
Command="Slider.IncreaseSmall" CommandTarget="{Binding ElementName=slider}"
- D. Insert the following code fragment at line 03.
Command="DecreaseSmall" CommandTarget="slider"
Insert the following code fragment at line 07.
Command="IncreaseSmall" CommandTarget="slider"

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 93

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5. You write the following code fragment.

(Line numbers are included for reference only.)

```
01 <Viewport3D>
02   <Viewport3D.Resources>
03
04     <DiffuseMaterial x:Key="Material" Brush="Black" />
05     <GeometryModel3D x:Key="GeometryModel" Geometry="{StaticResource Mesh}" 
Material="{StaticResource 07 Material}" />
06   </Viewport3D.Resources>
07   <ModelVisual3D Content="{StaticResource GeometryModel}" />
08 </Viewport3D>
```

You need to display a triangle

Which code fragment should you insert at line 03?

- A. <MeshGeometry3D x:Key="Mesh" Positions="-1 0 5, 1 0 -5, 0 1 5, 5 -1 -1" />
- B. <MeshGeometry3D x:Key="Mesh" Positions="-5 0 1, -5 0 -1, -5 1 1" />
- C. <MeshGeometry3D x:Key="Mesh" Positions="-5 0 1, -5 0 -1, -5 1 1, -5 -1 1" />
- D. <MeshGeometry3D x:Key="Mesh" Positions="-1 0 -5, 1 0 -5, 0 1 -5" />

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 94

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5. You create a window in the application. You plan to select a layout control to host the elements that you add to the window.

You need to select a control that meets the following requirements with its default properties:

1. The elements stretch horizontally to occupy the available width of the window.
2. The elements do not stretch vertically.

Which control should you use?

- A. The Grid control
- B. The Canvas control
- C. The WrapPanel control
- D. The StackPanel control

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 95

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5.

You write the following XAML code fragment.

(Line numbers are included for reference only.)

```
01 <StackPanel>
02   <StackPanel.Resources>
03     <Style TargetType="{x:Type Button}" >
04       </Style>
```

```
06  </StackPanel.Resources>
07 ...
08 </StackPanel>
```

You add three buttons to the StackPanel control. You need to ensure that the following requirements are met:

- The background color of each button turns green when the user moves the mouse pointer over the button.
- The background color of each button turns red when the user moves the mouse pointer away from the button.

What should you do?

- A. Insert the following XAML code fragment at line 04.

```
<Setter Property="Background" Value="Red" />
<Style.Triggers>
    <Trigger Property="IsMouseOver" Value="True" >
        <Setter Property="Background" Value="Green" />
    </Trigger>
</Style.Triggers>
```

- B. Insert the following XAML code fragment at line 04.

```
<Setter Property="Background" Value="Red" />
<Style.Triggers>
    <Trigger Property="IsMouseDirectlyOver" Value="True" >
        <Setter Property="Background" Value="Green" />
    </Trigger>
</Style.Triggers>
```

- C. Insert the following XAML code fragment at line 04.

```
<Style.Triggers>
    <Trigger Property="IsMouseOver" Value="True" >
        <Setter Property="Background" Value="Green" />
    </Trigger>
</Style.Triggers>
```

Set the Background property of each Button control to red.

- D. Insert the following XAML code fragment at line 04.

```
<Style.Triggers>
    <Trigger Property="IsMouseDirectlyOver" Value="True" >
        <Setter Property="Background" Value="Green" />
    </Trigger>
</Style.Triggers>
```

Set the Background property of each Button control to red.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 96

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5.

The application will be translated into several languages. A TextArea control in the application contains text that will be translated. You need to add a comment for the person who will be translating the text.

What should you do?

- A. Add a Resources attribute to the TextArea control. Write the comment as a value of this attribute by using the appropriate syntax.
- B. Add a TextDecorations attribute to the TextArea control. Write the "Comments:" string as a value of this attribute. Add the comment to the string.
- C. Add a Localization.Comments attribute to the TextArea control. Write the comment as a value of this attribute by using the appropriate syntax.
- D. Add a Resources attribute to the TextArea control. Build the application and then use the LocBaml tool to

create a text file from the resources that are generated.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 97

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5. You plan to use the application to preview video files. You write the following XAML code fragment.

```
01 <Window x:Class="myClass" xmlns= "http://schemas.microsoft.com/winfx/2006/
xaml/presentation" xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"
Title="myWindow" Height="300" Width="300">
02   <StackPanel Background="Black">
03
04     <StackPanel HorizontalAlignment="Center" Orientation="Horizontal">
05       <Button Name="btnPlay" Margin="10" Content="Play" />
06     </StackPanel>
07
08   </StackPanel>
09 </Window>
```

You need to ensure that the application plays only the first 10 seconds of a video that you want to preview. Which two actions should you perform? (Each correct answer presents part of the solution. Choose two.)

- A. Insert the following XAML fragment at line 03.

```
<MediaElement Name="myMediaElement" Stretch="Fill" />
```

- B. Insert the following XAML fragment at line 03.

```
<MediaElement Name="myMediaElement" Source="MediaFileSelected.wmv"
Stretch="Fill" />
```

- C. Create the following method in the code-behind file.

```
public void PlayMedia(object sender, RoutedEventArgs args)
{
    myMediaElement.Play();
}
```

- D. Insert the following XAML fragment at line 07.

```
<StackPanel.Triggers>
<EventTrigger RoutedEvent="Button.Click" SourceName="btnPlay">
  <EventTrigger.Actions>
    <BeginStoryboard Name= "myBegin">
      <Storyboard SlipBehavior="Slip">
        <MediaTimeline Source="MediaFileSelected.wmv"
Storyboard.TargetName="myMediaElement" BeginTime="0:0:0" Duration="0:0:10" />
      </Storyboard>
    </BeginStoryboard>
  </EventTrigger.Actions>
</EventTrigger>
</StackPanel.Triggers>
```

- E. Insert the following XAML fragment at line 07.

```
<StackPanel.Triggers>
<EventTrigger RoutedEvent="Button.Click" SourceName="btnPlay">
  <EventTrigger.Actions>
    <BeginStoryboard Name= "myBegin">
      <Storyboard SlipBehavior="Slip">
        <MediaTimeline Storyboard.TargetName="myMediaElement"
BeginTime="0:0:0" Duration="0:0:10" />
      </Storyboard>
    </BeginStoryboard>
  </EventTrigger.Actions>
</EventTrigger>
</StackPanel.Triggers>
```

```
</BeginStoryboard>
</EventTrigger.Actions>
</EventTrigger>
</StackPanel.Triggers>
```

Correct Answer: AD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 98

You are converting a Windows Forms application to a Windows Presentation Foundation (WPF) application.

You use Microsoft .NET Framework 3.5 to create the WPF application.

The WPF application will reuse 30 forms of the Windows Forms application. The WPF application contains the following class definition.

```
public class OwnerWindow : System.Windows.Forms.IWin32Window
{
    private IntPtr handle_Renamed;
    public IntPtr Handle
    {
        get { return handle_Renamed; }
        set { handle_Renamed = value; }
    }
}
```

You write the following code segment in the WPF application.

(Line numbers are included for reference only.)

```
01 public System.Windows.Forms.DialogResult LaunchWindowsFormsDialog
    (System.Windows.Forms.Form dialog, Window wpfParent)
02 {
03     System.Windows.Interop.WindowInteropHelper helper = new
    System.Windows.Interop.WindowInteropHelper(wpfParent);
04     OwnerWindow owner = new OwnerWindow();
05
06 }
```

You need to ensure that the application can launch the reusable forms as modal dialogs.
Which code segment should you insert at line 05?

- A. owner.Handle = helper.Owner;
 DialogResult db = new DialogResult();
 return db;
- B. owner.Handle = helper.Owner
 return dialog.ShowDialog(owner);
- C. owner.Handle = helper.Owner;
 Nullable<bool> result = wpfParent.ShowDialog();
 if (result.HasValue)
 {
 if (result.value)
 return System.Windows.Forms.DialogResult.OK;
 else
 return System.Windows.Forms.DialogResult.Cancel;
 }
 else
 {
 return System.Windows.Forms.DialogResult.Cancel;
 }

```

D. owner.Handle = helper.Handle;
Nullable<bool> result = wpfParent.ShowDialog();
if (result.HasValue)
{
    if (result.value)
        return System.Windows.Forms.DialogResult.OK;
    else
        return System.Windows.Forms.DialogResult.Cancel;
}
else
{
    return System.Windows.Forms.DialogResult.Cancel;
}

```

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 99

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5. You are creating an XAML page for the application. The page will display information about cars. The information is stored in a static resource named cars. You need to ensure that the page can display the image of each car in a ListBox control.

Which XAML code fragment should you use?

- A. <ListBox ItemsSource="{Binding Source={StaticResource cars}}">
 <ListBoxItem>
 <Image Source="{Binding Path=Path}" />
 </ListBoxItem>
 </ListBox>
- B. <ListBox ItemsSource="{Binding Source={StaticResource cars}}">
 <ListBoxItem>
 <DataTemplate>
 <Image Source="{Binding Path=Path}" />
 </DataTemplate>
 </ListBoxItem>
 </ListBox>
- C. <ListBox ItemsSource="{Binding Source={StaticResource cars}}">
 <ListBox.ItemTemplate>
 <DataTemplate>
 <Image Source="{Binding Path=Path}" />
 </DataTemplate>
 </ListBox.ItemTemplate>
 </ListBox>
- D. <ListBox ItemsSource="{Binding Source={StaticResource cars}}">
 <ListBox.ItemTemplate>
 <DataTemplate>
 <Image Source="{Binding Source={StaticResource cars}, Path=Path}" />
 </DataTemplate>
 </ListBox.ItemTemplate>
 </ListBox>

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 100

You create a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5.

You perform the following two tasks:

- Use a digital certificate that is generated by an internal certificate authority (CA) to sign the application.
- Store the application files on a central Web site.

You instruct the users to access the Web site and start the application by using the ClickOnce technology. The users report that their attempts to start the application fail.

You need to ensure that the users can use the application.

What should you do?

- A. Deploy the digital certificate on the Trusted Publisher store of the Web server.
- B. Deploy the digital certificate on the Trusted Publisher store of each client computer.
- C. Redeploy the application by using Microsoft Visual Studio 2005 Publish Wizard.
- D. Recompile the application by using a key file that is generated by the sn.exe file.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 101

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5.

You write the following code fragment.

(Line numbers are included for reference only.)

```
01 <Viewport3D>
02   <Viewport3D.Resources>
03
04     <DiffuseMaterial x:Key="Material" Brush="Black" />
05     <GeometryModel3D x:Key="GeometryModel" Geometry="{StaticResource Mesh}"
Material="{StaticResource 07 Material}" />
06   </Viewport3D.Resources>
07   <ModelVisual3D Content="{StaticResource GeometryModel}" />
08 </Viewport3D>
```

You need to display a triangle

Which code fragment should you insert at line 03?

- A. <MeshGeometry3D x:Key="Mesh" Positions="-1 0 5, 1 0 -5, 0 1 5, 5 -1 -1" />
- B. <MeshGeometry3D x:Key="Mesh" Positions="-5 0 1, -5 0 -1, -5 1 1" />
- C. <MeshGeometry3D x:Key="Mesh" Positions="-5 0 1, -5 0 -1, -5 1 1, -5 -1 1" />
- D. <MeshGeometry3D x:Key="Mesh" Positions="-1 0 -5, 1 0 -5, 0 1 -5" />

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 102

You are converting a Windows Forms application to a Windows Presentation Foundation (WPF) application.

You use Microsoft .NET Framework 3.5 to create the WPF application.

The WPF application will reuse 30 forms of the Windows Forms application. The WPF application contains the

following class definition.

```
public class OwnerWindow : System.Windows.Forms.IWin32Window
{
    private IntPtr handle_Renamed;
    public IntPtr Handle
    {
        get { return handle_Renamed; }
        set { handle_Renamed = value; }
    }
}
```

You write the following code segment in the WPF application.
(Line numbers are included for reference only.)

```
01 public System.Windows.Forms.DialogResult LaunchWindowsFormsDialog
    (System.Windows.Forms.Form dialog, Window wpfParent)
02 {
03     System.Windows.Interop.WindowInteropHelper helper = new
    System.Windows.Interop.WindowInteropHelper(wpfParent);
04     OwnerWindow owner = new OwnerWindow();
05
06 }
```

You need to ensure that the application can launch the reusable forms as modal dialogs.
Which code segment should you insert at line 05?

- A.

```
owner.Handle = helper.Owner;
    DialogResult db = new DialogResult();
    return db;
```
- B.

```
owner.Handle = helper.Owner
    return dialog.ShowDialog(owner);
```
- C.

```
owner.Handle = helper.Owner;
    Nullable<bool> result = wpfParent.ShowDialog();
    if (result.HasValue)
    {
        if (result.value)
            return System.Windows.Forms.DialogResult.OK;
        else
            return System.Windows.Forms.DialogResult.Cancel;
    }
    else
    {
        return System.Windows.Forms.DialogResult.Cancel;
    }
```
- D.

```
owner.Handle = helper.Handle;
    Nullable<bool> result = wpfParent.ShowDialog();
    if (result.HasValue)
    {
        if (result.value)
            return System.Windows.Forms.DialogResult.OK;
        else
            return System.Windows.Forms.DialogResult.Cancel;
    }
    else
    {
        return System.Windows.Forms.DialogResult.Cancel;
    }
```

Correct Answer: B
Section: (none)

Explanation

Explanation/Reference:

QUESTION 103

You are creating a Windows Presentation Foundation application. You create a window for the application. The application contains an audio file named AudioFileToPlay.wav.

You need to ensure that the following requirements are met:

- The audio file is played each time you click the client area of the window.
- The window provides optimal performance when the audio file is being played.

What should you do?

- A. Add the following XAML line of code to the window.

```
<MediaElement Source="AudioFileToPlay.wav" />
```

- B. Add the following code segment to the window constructor method in the code-behind file.

```
SoundPlayer player = new SoundPlayer()
player.SoundLocation = "AudioFileToPlay.wav"
player.Play()
```

- C. Add the following code segment to the window MouseDown method in the code-behind file.

```
MediaElement player = new MediaElement();
player.Source = new Uri("AudioFileToPlay.wav", UriKind.Relative);
player.LoadedBehavior = MediaState.Manual;
player.Play();
```

- D. Add the following XAML code fragment to the window.

```
<Window.Triggers>
<EventTrigger RoutedEvent="Window.MouseDown">
<EventTrigger.Actions>
<SoundPlayerAction Source="AudioFileToPlay.wav" />
</EventTrigger.Actions>
</EventTrigger>
</Window.Triggers>
```

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 104

You deploy a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5.

Users use Microsoft Windows Internet Explorer to launch the application. The application uses an XML file to persist user information. The XML file is used by multiple assemblies within the application. The company security policy requires that each user has a separate copy of the XML file. During testing, you discover that the application can persist information to the XML file on the development computer but not on the client computers. You need to ensure that the application can persist information to the XML file on all the client computers. You also need to ensure that the application maintains the required security level.

What should you do?

- A. Save the XML file to the %AppData% folder.

- B. Save the XML file to the %UserProfile% folder.

- C. Save the XML file to an isolated storage store that is retrieved from the System.IO.IsolatedStorageFile.GetUserStoreForAssembly() function.

- D. Save the XML file to an isolated storage store that is retrieved from the System.IO.IsolatedStorageFile.GetUserStoreForApplication() function.

Correct Answer: D

Section: (none)**Explanation****Explanation/Reference:****QUESTION 105**

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5. You create a window in the application. You plan to select a layout control to host the elements that you add to the window.

You need to select a control that meets the following requirements with its default properties:

1. The elements stretch horizontally to occupy the available width of the window.
2. The elements do not stretch vertically.

Which control should you use?

- A. The Grid control
- B. The Canvas control
- C. The WrapPanel control
- D. The StackPanel control

Correct Answer: D**Section: (none)****Explanation****Explanation/Reference:****QUESTION 106**

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5.

You need to perform the following tasks:

- Add a control to a window by using the following XAML code fragment.
`<local:RedTextControl Background="Yellow" />`
- Ensure that the background color of the control is yellow.
- Ensure that the foreground color is red

What should you do?

- A. Add the following code segment to a code-behind file.

```
public class RedTextControl : ContentControl
{
    public void RedTextControl()
    {
        TextBlock tb = new TextBlock();
        tb.Foreground = Brushes.Red;
        tb.Text = "Hello";
        this.AddChild(tb);
    }
}
```

- B. Add the following code segment to a code-behind file.

```
public class RedTextControl : Control
{
    public void RedTextControl()
    {
        TextBlock tb = new TextBlock();
        tb.Foreground = Brushes.Red;
        tb.Text = "Hello";
        this.AddLogicalChild(tb);
    }
}
```

C. Add the following XAML code fragment to an XAML file.

```
<UserControl x:Class="RedTextControl" xmlns="..." xmlns:x="...">
    <DockPanel>
        <TextBlock Foreground="Red" Text="Hello" />
    </DockPanel>
</UserControl>
```

Add the following code segment to a code-behind file.

```
internal partial class RedTextControl
{
    public void RedTextControl()
    {
        InitializeComponent();
        Background.CoerceValue(TextBlock.BackgroundProperty);
    }
}
```

D. Add the following XAML code fragment to an XAML file.

```
<UserControl x:Class="RedTextControl" xmlns="..." xmlns:x="...">
    <DockPanel>
        <TextBlock Foreground="Red" Text="Hello" />
    </DockPanel>
</UserControl>
```

Add the following code segment to a code-behind file.

```
internal partial class RedTextControl : UserControl
{
    public void RedTextControl()
    {
        InitializeComponent();
    }
}
```

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 107

You plan to create an application by using Microsoft .NET Framework 3.5 and Microsoft Visual Studio 2008.

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

- The entire application user interface is designed by using XAML.
- The application runs by default under the FullTrust permission set on the client computer.

Which type of application should you use?

- A. Windows Service application
- B. Windows Forms application
- C. Windows Presentation Foundation application
- D. Windows Presentation Foundation Browser application

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 108

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5. The application contains a custom event handler. You need to ensure that the custom event handler always executes when the event occurs, even if the Handled property is set to true. What should you do?

- A. Set the HandledEventsToo property to true in the event definition code segment.
- B. Set the HandledEventsToo property to false in the event definition code segment.
- C. Set the HandledEventsToo property to true in the event definition XAML code fragment.
- D. Set the HandledEventsToo property to false in the event definition XAML code fragment.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 109

You are creating a Windows Presentation Foundation application. You create a window for the application. The application contains an audio file named AudioFileToPlay.wav.

You need to ensure that the following requirements are met:

- The audio file is played each time you click the client area of the window.
- The window provides optimal performance when the audio file is being played.

What should you do?

- A. Add the following XAML line of code to the window.

```
<MediaElement Source="AudioFileToPlay.wav" />
```
- B. Add the following code segment to the window constructor method in the code-behind file.

```
SoundPlayer player = new SoundPlayer()
player.SoundLocation = "AudioFileToPlay.wav"
player.Play()
```
- C. Add the following code segment to the window MouseDown method in the code-behind file.

```
MediaElement player = new MediaElement();
player.Source = new Uri("AudioFileToPlay.wav", UriKind.Relative);
player.LoadedBehavior = MediaState.Manual;
player.Play();
```
- D. Add the following XAML code fragment to the window.

```
<Window.Triggers>
<EventTrigger RoutedEvent="Window.MouseDown">
<EventTrigger.Actions>
<SoundPlayerAction Source="AudioFileToPlay.wav" />
</EventTrigger.Actions>
</EventTrigger>
</Window.Triggers>
```

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 110

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5. You add a window that displays three-dimensional graphics.

You need to create a camera that meets the following requirements:

- It displays a graphic by excluding the Z-dimension.
- It focuses directly on the front portion of the graphic.

Which XAML code fragment should you use?

- A. <OrthographicCamera Position="0,0,2" LookDirection="0,2,-1" />
- B. <OrthographicCamera Position="0,0,2" LookDirection="0,0,-1" />
- C. <PerspectiveCamera Position="0,0,2" LookDirection="0,2,-1" FieldOfView="60" />
- D. <PerspectiveCamera Position="0,0,2" LookDirection="0,0,-1" FieldOfView="60" />

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 111

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5. The application will display articles that contain photographs, geometric figures, and other rich content. You plan to format the articles in flow documents.

You need to select a XAML element that provides the following functionality by default:

- Searches the content of any article.
- Views any article in single-page and multiple-page layouts.
- Adjusts the font size of the content.

What should you do?

- A. Encapsulate the articles in a <RichTextBox></RichTextBox> XAML element.
- B. Encapsulate the articles in a <FlowDocumentReader></FlowDocumentReader> XAML element.
- C. Encapsulate the articles in a <FlowDocumentPageViewer></FlowDocumentPageViewer> XAML element.
- D. Encapsulate the articles in a <FlowDocumentScrollView></FlowDocumentScrollView> XAML element.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 112

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5. The application displays an image that is defined as an application resource.

You need to ensure that the following requirements are met:

- The image file must appear in the output directory after the build.
- The image can be modified without being rebuilt.

What should you do?

- A. Include the image in your project. Set the Build Action property for the file to Resource.
Set the Copy to Output Directory property to Copy if newer.
- B. Include the image in your project. Set the Build Action property for the file to Content.
Set the Copy to Output Directory property to Copy if newer.
- C. Include the image in your project. Set the Build Action property for the file to Embedded Resource.
Set the Copy to Output Directory property to Copy always.
- D. Include the image in your project. Set the Build Action property for the file to ApplicationDefinition.
Set the Copy to Output Directory property to Copy if newer.

Correct Answer: B

Section: (none)**Explanation****Explanation/Reference:****QUESTION 113**

You deploy a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5. Users use Microsoft Windows Internet Explorer to launch the application. The application uses an XML file to persist user information. The XML file is used by multiple assemblies within the application. The company security policy requires that each user has a separate copy of the XML file. During testing, you discover that the application can persist information to the XML file on the development computer but not on the client computers. You need to ensure that the application can persist information to the XML file on all the client computers. You also need to ensure that the application maintains the required security level. What should you do?

- A. Save the XML file to the %AppData% folder.
- B. Save the XML file to the %UserProfile% folder.
- C. Save the XML file to an isolated storage store that is retrieved from the `System.IO.IsolatedStorageFile.GetUserStoreForAssembly()` function.
- D. Save the XML file to an isolated storage store that is retrieved from the `System.IO.IsolatedStorageFile.GetUserStoreForApplication()` function.

Correct Answer: D**Section: (none)****Explanation****Explanation/Reference:****QUESTION 114**

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5. You implement validation for a data bound text box control. When a user enters an invalid value in the text box, the border of the text box turns red. You need to update the application so that both the border and the text of the text box control turn red when an invalid value is entered.

What should you do?

- A. Use a custom control template.
- B. Create a custom validation rule.
- C. Add an exception handler to the code-behind file.
- D. Add two validation rules to the ValidationRules element.

Correct Answer: A**Section: (none)****Explanation****Explanation/Reference:****QUESTION 115**

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5. You need to perform the following tasks:

- Add a control to a window by using the following XAML code fragment.
`<local:RedTextControl Background="Yellow" />`
- Ensure that the background color of the control is yellow.
- Ensure that the foreground color is red

What should you do?

- A. Add the following code segment to a code-behind file.

```
public class RedTextControl : ContentControl
{
    public void RedTextControl()
    {
        TextBlock tb = new TextBlock();
        tb.Foreground = Brushes.Red;
        tb.Text = "Hello";
        this.AddChild(tb);
    }
}
```

- B. Add the following code segment to a code-behind file.

```
public class RedTextControl : Control
{
    public void RedTextControl()
    {
        TextBlock tb = new TextBlock();
        tb.Foreground = Brushes.Red;
        tb.Text = "Hello";
        this.AddLogicalChild(tb);
    }
}
```

- C. Add the following XAML code fragment to an XAML file.

```
<UserControl x:Class="RedTextControl" xmlns="..." xmlns:x="...">
<DockPanel>
    <TextBlock Foreground="Red" Text="Hello" />
</DockPanel>
</UserControl>
```

Add the following code segment to a code-behind file.

```
internal partial class RedTextControl
{
    public void RedTextControl()
    {
        InitializeComponent();
        Background.CoerceValue(TextBlock.BackgroundProperty);
    }
}
```

- D. Add the following XAML code fragment to an XAML file.

```
<UserControl x:Class="RedTextControl" xmlns="..." xmlns:x="...">
<DockPanel>
    <TextBlock Foreground="Red" Text="Hello" />
</DockPanel>
</UserControl>
```

Add the following code segment to a code-behind file.

```
internal partial class RedTextControl : UserControl
{
    public void RedTextControl()
    {
        InitializeComponent();
    }
}
```

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 116

You create a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5.

You perform the following two tasks:

- Use a digital certificate that is generated by an internal certificate authority (CA) to sign the application.
- Store the application files on a central Web site.

You instruct the users to access the Web site and start the application by using the ClickOnce technology. The users report that their attempts to start the application fail.

You need to ensure that the users can use the application.

What should you do?

- A. Deploy the digital certificate on the Trusted Publisher store of the Web server.
- B. Deploy the digital certificate on the Trusted Publisher store of each client computer.
- C. Redeploy the application by using Microsoft Visual Studio 2005 Publish Wizard.
- D. Recompile the application by using a key file that is generated by the sn.exe file.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 117

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5.

You are creating an XAML page for the application. The page will display information about cars. The information is stored in a static resource named cars. You need to ensure that the page can display the image of each car in a ListBox control.

Which XAML code fragment should you use?

- A.

```
<ListBox ItemsSource="{Binding Source={StaticResource cars}}">
    <ListBoxItem>
        <Image Source="{Binding Path=Path}" />
    </ListBoxItem>
</ListBox>
```
- B.

```
<ListBox ItemsSource="{Binding Source={StaticResource cars}}">
    <ListBoxItem>
        <DataTemplate>
            <Image Source="{Binding Path=Path}" />
        </DataTemplate>
    </ListBoxItem>
</ListBox>
```
- C.

```
<ListBox ItemsSource="{Binding Source={StaticResource cars}}">
    <ListBox.ItemTemplate>
        <DataTemplate>
            <Image Source="{Binding Path=Path}" />
        </DataTemplate>
    </ListBox.ItemTemplate>
</ListBox>
```
- D.

```
<ListBox ItemsSource="{Binding Source={StaticResource cars}}">
    <ListBox.ItemTemplate>
        <DataTemplate>
            <Image Source="{Binding Source={StaticResource cars}, Path=Path}" />
        </DataTemplate>
    </ListBox.ItemTemplate>
</ListBox>
```

Correct Answer: C

Section: (none)**Explanation****Explanation/Reference:****QUESTION 118**

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5. You plan to add a Button control to a Canvas control. You need to ensure that exactly 10 device-independent pixels are present between the right side of the Button control and the right side of the Canvas control. Which XAML code fragment should you use?

- A.

```
<Canvas Margin="10">
    <Button>I'm a button</Button>
</Canvas>
```
- B.

```
<Canvas>
    <Button Canvas.Left="10" Canvas.Right="10">I'm a button</Button>
</Canvas>
```
- C.

```
<Canvas Margin="10">
    <Button HorizontalAlignment="Right">I'm a button</Button>
</Canvas>
```
- D.

```
<Canvas>
    <Button Canvas.Top="10" Canvas.Right="10">I'm a button</Button>
</Canvas>
```

Correct Answer: D**Section: (none)****Explanation****Explanation/Reference:****QUESTION 119**

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5. You are creating an XAML page for the application. The page will display information about cars. The information is stored in a static resource named cars. You need to ensure that the page can display the image of each car in a ListBox control.

Which XAML code fragment should you use?

- A.

```
<ListBox ItemsSource="{Binding Source={StaticResource cars}}">
    <ListBoxItem>
        <Image Source="{Binding Path=Path}" />
    </ListBoxItem>
</ListBox>
```
- B.

```
<ListBox ItemsSource="{Binding Source={StaticResource cars}}">
    <ListBoxItem>
        <DataTemplate>
            <Image Source="{Binding Path=Path}" />
        </DataTemplate>
    </ListBoxItem>
</ListBox>
```
- C.

```
<ListBox ItemsSource="{Binding Source={StaticResource cars}}">
    <ListBox.ItemTemplate>
        <DataTemplate>
            <Image Source="{Binding Path=Path}" />
        </DataTemplate>
    </ListBox.ItemTemplate>
</ListBox>
```
- D.

```
<ListBox ItemsSource="{Binding Source={StaticResource cars}}">
```

```

<ListBox.ItemTemplate>
    <DataTemplate>
        <Image Source="{Binding Source={StaticResource cars}, Path=Path}" />
    </DataTemplate>
</ListBox.ItemTemplate>
</ListBox>

```

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 120

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5. You write the following XAML code fragment.

```

<Rectangle Name="SplineTest">
    <Rectangle.RenderTransform>
        <TranslateTransform x:Name="SplineTestTrans" X="0" Y="0" />
    </Rectangle.RenderTransform>
    <Rectangle.Triggers>
        <EventTrigger RoutedEvent="Rectangle.MouseLeftButtonDown">
            <EventTrigger.Actions>
                <BeginStoryboard>
                    <Storyboard>
                        ...
                    </Storyboard>
                </BeginStoryboard>
            </EventTrigger.Actions>
        </EventTrigger>
    </Rectangle.Triggers>
</Rectangle>

```

You need to ensure that the Rectangle object shifts diagonally downwards when a user clicks it. Which XAML code fragment should you use?

- A. <DoubleAnimation Storyboard.TargetProperty="RenderTransform.(TranslateTransform.X)" From="0" To="200"/>
- B. <DoubleAnimation Storyboard.TargetName="SplineTestTrans" Storyboard.TargetProperty="RenderTransform.Angle" From="0" To="360" Duration="0:0:1"/>
- C. <DoubleAnimationUsingKeyFrames Storyboard.TargetName="Trans" Storyboard.TargetProperty="Y" Duration="0:0:15">
 <LinearDoubleKeyFrame Value="350" KeyTime="0:0:7"/>
 <LinearDoubleKeyFrame Value="50" KeyTime="0:0:5"/>
 <LinearDoubleKeyFrame Value="200" KeyTime="0:0:3"/>
 </DoubleAnimationUsingKeyFrames>
- D. <DoubleAnimationUsingKeyFrames Storyboard.TargetName="SplineTestTrans" Storyboard.TargetProperty="X" Duration="0:0:15">
 <SplineDoubleKeyFrame Value="350" KeyTime="0:0:7" KeySpline="0.0,1.0, 1.0,0.0"/>
 </DoubleAnimationUsingKeyFrames>
 <DoubleAnimationUsingKeyFrames Storyboard.TargetName="SplineTestTrans" Storyboard.TargetProperty="Y" Duration="0:0:15">
 <SplineDoubleKeyFrame Value="350" KeyTime="0:0:7" KeySpline="0.0,1.0, 1.0,0.0"/>
 </DoubleAnimationUsingKeyFrames>

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 121

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5. You create a dialog window composed of a TextBox control and a Button control by using the following XAML code fragment.

```
<TextBox Width="200" AcceptsReturn="True" />
<Button Width="80" Click="Button_Click">OK</Button>
```

You need to ensure that each time the user presses the ENTER key, the click event of the OK button is raised. Which two actions should you perform? (Each correct answer presents part of the solution.)

- A. Add the IsDefault="True" attribute to the Button element.
- B. Add the IsTabStop="True" attribute to the Button element.
- C. Add the IsHitTestVisible="True" attribute to the Button element.
- D. Add the Focusable="False" attribute to the TextBox element.
- E. Add the AcceptsTab="True" attribute to the TextBox element.
- F. Set the AcceptsReturn attribute value of the TextBox element to False.

Correct Answer: AF

Section: (none)

Explanation

Explanation/Reference:

QUESTION 122

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5. You write the following XAML code fragment.

(Line numbers are included for reference only.)

```
01 <StackPanel>
02   <StackPanel.Resources>
03     <Style TargetType="{x:Type Button}" >
04       </Style>
05     </Style>
06   </StackPanel.Resources>
07 ...
08 </StackPanel>
```

You add three buttons to the StackPanel control. You need to ensure that the following requirements are met:

- The background color of each button turns green when the user moves the mouse pointer over the button.
- The background color of each button turns red when the user moves the mouse pointer away from the button.

What should you do?

- A. Insert the following XAML code fragment at line 04.

```
<Setter Property="Background" Value="Red" />
<Style.Triggers>
  <Trigger Property="IsMouseOver" Value="True" >
    <Setter Property="Background" Value="Green" />
  </Trigger>
</Style.Triggers>
```
- B. Insert the following XAML code fragment at line 04.

```

<Setter Property="Background" Value="Red" />
<Style.Triggers>
    <Trigger Property="IsMouseDirectlyOver" Value="True">
        <Setter Property="Background" Value="Green" />
    </Trigger>
</Style.Triggers>

```

- C. Insert the following XAML code fragment at line 04.

```

<Style.Triggers>
    <Trigger Property="IsMouseOver" Value="True">
        <Setter Property="Background" Value="Green" />
    </Trigger>
</Style.Triggers>

```

Set the Background property of each Button control to red.

- D. Insert the following XAML code fragment at line 04.

```

<Style.Triggers>
    <Trigger Property="IsMouseDirectlyOver" Value="True">
        <Setter Property="Background" Value="Green" />
    </Trigger>
</Style.Triggers>

```

Set the Background property of each Button control to red.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 123

You are creating a Windows Presentation Foundation application by using Microsoft .NET Framework 3.5. The application will display a flow document.

You need to add a graphic and its associated descriptive text in the flow document so that the following requirements are met:

- The graphic and the descriptive text appear as a sidebar at the beginning of the document.
- The exact placement of the sidebar is not critical.
- The existing document text flows around the graphic and descriptive text.
- The descriptive text is not truncated.

Which XAML fragment should you use?

- A. <Paragraph>
- ```

<Image Source="NancyAnderson.jpg" Width="150" />
"Educational background includes a BA in psychology from Colorado State University in
1970.
She also completed 'The Art of the Cold Call.' Nancy is a member of
Toastmasters International."
</Paragraph>

```
- B. <Floater Width="200">
- ```

<BlockUIContainer>
<Image Source="NancyAnderson.jpg" Width="150" />
</BlockUIContainer>
<Paragraph>
"Educational background includes a BA in psychology from Colorado State University in
1970.
She also completed 'The Art of the Cold Call.' Nancy is a member of
Toastmasters International."
</Paragraph>
</Floater>

```
- C. <Figure Width="200">
- ```

<BlockUIContainer>
<Image Source="NancyAnderson.jpg" Width="150" />

```

```
</BlockUIContainer>
<Paragraph>
 "Education includes a BA in psychology from Colorado State University in
1970.
 She also completed 'The Art of the Cold Call.' Nancy is a member of
Toastmasters International."
</Paragraph>
</Figure>
D. <Section>
<BlockUIContainer>
 <Image Source="NancyAnderson.jpg" Width="150" />
</BlockUIContainer>
<Paragraph>
 "Education includes a BA in psychology from Colorado State University in
1970.
 She also completed 'The Art of the Cold Call.' Nancy is a member of
Toastmasters International."
</Paragraph>
</Section>
```

**Correct Answer:** B

**Section:** (none)

**Explanation**

**Explanation/Reference:**



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