



70-502(VB)

Windows Presentation Foundation App Dev

Q&A

DEMO Version

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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 VB.net 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 vb.net 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 vb.net 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 vb.net code to associate the array of strings to the ListBox control.
`myList.ItemsSource = arrayOfString`

Answer: A

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

Answer: A

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
Implements System.Windows.Forms.IWin32Window
Private handle_Renamed As IntPtr
Public Property Handle() As IntPtr _
Implements System.Windows.Forms.IWin32Window.Handle
Get
Return handle_Renamed
End Get
Set(ByVal value As IntPtr)
handle_Renamed = value
End Set
End Property
End Class
```

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

```
01 Public Function LaunchWindowsFormsDialog(ByVal dialog As _
02 System.Windows.Forms.Form, ByVal wpfParent As Window) As _
03 System.Windows.Forms.DialogResult
04 Dim helper As New
05 System.Windows.Interop.WindowInteropHelper(wpfParent)
07 Dim owner As New OwnerWindow()
08
09 End Function
```

You need to ensure that the application can launch the reusable forms as modal dialogs. Which code segment should you insert at line 08?

- A. owner.Handle = helper.Owner Dim db As New System.Windows.Forms.DialogResult()Return db
- B. owner.Handle = helper.Owner Return dialog.ShowDialog(owner)
- C. owner.Handle = helper.Owner Dim result As Nullable(Of Boolean) = wpfParent.ShowDialog()
If result.HasValue Then Return If(result.Value, System.Windows.Forms.DialogResult.OK, _
System.Windows.Forms.DialogResult.Cancel)Else Return
System.Windows.Forms.DialogResult.CancelEnd If
- D. owner.Handle = helper.Handle Dim result As Nullable(Of Boolean) = wpfParent.ShowDialog()
If result.HasValue Then Return If(result.Value, System.Windows.Forms.DialogResult.OK, _
System.Windows.Forms.DialogResult.Cancel)Else Return
System.Windows.Forms.DialogResult.CancelEnd If

Answer: B

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

Answer: D

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 Inherits ContentControl
    Public Sub New()
        Dim tb As New TextBlock()
        tb.Foreground = Brushes.Red
        tb.Text = "Hello"
        Me.AddChild(tb)
    End Sub
End Class
```
- B. Add the following code segment to a code-behind file.


```
Public Class RedTextControl Inherits Control
    Public Sub New()
        Dim tb As New TextBlock()
        tb.Foreground = Brushes.Red
        tb.Text = "Hello"
        Me.AddLogicalChild(tb)
    End Sub
End Class
```
- 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.


```
Partial Friend Class RedTextControl
    Public Sub New()
        InitializeComponent();
        Background.CoerceValue(TextBlock.BackgroundProperty);
    End Sub
End Class
```

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.

```
Partial Friend Class RedTextControl Inherits UserControl
  Public Sub New()
  InitializeComponent()
  End Sub
End Class
```

Answer: D

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?

- 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>

Answer: D

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.

Answer: AF

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. Dim doc As FlowDocument = rtbText.Document
 Dim text As String = (New TextRange(doc.ContentStart, _doc.ContentEnd)).Text
 Dim index As Integer = text.IndexOf(tbxTextToFind.Text)
 Dim start As TextPointer = doc.ContentStart.GetPositionAtOffset(index)
 Dim [end] As TextPointer = _start.GetPositionAtOffset(Len(tbxTextToFind.Text))
 rtbText.Selection.Select(start, [end])
- B. Dim cur As TextPointer = rtbText.Document.ContentStart
 While Not cur Is Nothing
 Dim [end] As TextPointer = _cur.GetPositionAtOffset(Len(tbxTextToFind.Text))
 If Not [end] Is Nothing Then
 Dim search As New TextRange(cur, [end])
 If search.Text = tbxTextToFind.Text Then
 rtbText.Selection.Select(search.Start, search.End)
 Exit While
 End If
 End If
 cur = cur.GetNextContextPosition(LogicalDirection.Forward)
 End While
- C. Dim cur As TextPointer = rtbText.Document.ContentStart
 While Not cur Is Nothing
 Dim [end] As TextPointer = _cur.GetPositionAtOffset(Len(tbxTextToFind.Text))
 If Not [end] Is Nothing Then
 Dim search As New TextRange(cur, [end])
 If search.Text = tbxTextToFind.Text Then
 rtbText.Selection.Select(search.Start, search.End)
 Exit While
 End If
 End If
 cur = cur.GetNextInsertionPosition(LogicalDirection.Forward)
 End While
- D. Dim doc As FlowDocument = rtbText.Document
 Dim text As String = (New TextRange(doc.ContentStart, _doc.ContentEnd)).Text
 Dim index As Integer = text.LastIndexOf(tbxTextToFind.Text)
 Dim start As TextPointer = _doc.ContentStart.GetPositionAtOffset(index + 1)
 Dim [end] As TextPointer = _start.GetPositionAtOffset(Len(tbxTextToFind.Text))
 rtbText.Selection.Select(start, [end])

Answer: C

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>`

Answer: D

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 Sub OnClosing(ByVal sender As Object, ByVal e _As System.ComponentModel.CancelEventArgs)
My.Settings.Default.WindowPosition = New Point(Me.Left, Me.Top)
My.Settings.Default.WindowSize = New Size(Me.Width, Me.Height)
My.Settings.Default.Save()
End Sub`
- B. `Private Sub OnClosing(ByVal sender As Object, ByVal e As _System.ComponentModel.CancelEventArgs)
Dim appKey As RegistryKey = _Registry.CurrentUser.CreateSubKey("Software\EnterpriseApplication")
Dim settingsKey As RegistryKey = _appKey.CreateSubKey("WindowSettings")
Dim windowPositionKey As RegistryKey = _settingsKey.CreateSubKey("WindowPosition")
Dim windowSizeKey As RegistryKey = _settingsKey.CreateSubKey("WindowSize")
windowPositionKey.SetValue("X", Me.Left)
windowPositionKey.SetValue("Y", Me.Top)
windowSizeKey.SetValue("Width", Me.Width)
windowSizeKey.SetValue("Height", Me.Height)
End Sub`

- C. Private Sub OnClosing(ByVal sender As Object, ByVal e As _System.ComponentModel.CancelEventArgs)
 Dim doc As New System.Xml.XmlDocument()doc.Load("EnterpriseApplication.exe.config")
 Dim nodePosition As System.Xml.XmlNode = _doc.SelectSingleNode("//setting
 [@name='WindowPosition']")node
 Position.ChildNodes(0).InnerText = String.Format("{0},{1}", _Me.Left, Me.Top)
 Dim nodeSize As System.Xml.XmlNode = _doc.SelectSingleNode("//setting[@name='WindowSize']")
 nodeSize.ChildNodes(0).InnerText = String.Format("{0},{1}", _Me.Width, Me.Height)
 doc.Save("UserConfigDistractor2.exe.config")
 End Sub
- D. Private Sub Window_Closing(ByVal sender As Object, ByVal e As _System.ComponentModel.
 CancelEventArgs)
 Dim sw As 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>", Me.Width, _Me.Height))
 sw.WriteLine("</setting>")sw.WriteLine("<setting name=""WindowPosition"" _serializeAs=""String"">")
 sw.WriteLine(String.Format("<value>{0},{1}</value>", Me.Left, _Me.Top))
 sw.WriteLine("</setting>")
 sw.WriteLine("</UserConfigProblem.Properties.Settings>")
 sw.Close()
 End Sub

Answer: A