

**Exam** : **70-502 CSharpChinese**

**Title** : TS: Microsoft .NET  
Framework 3.5 – Windows  
Presentation Foundation

**Version** : Demo

1. 您正在使用 Microsoft .NET Framework 3.5 创建一个 Windows Presentation Foundation 应用程序。您向 Window 元素中添加一个 CommandBinding 元素。该命令具有一个键盘笔势 Ctrl+H。Window 元素中包含下面的 MenuItem 控件。

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

您需要确保当焦点切换到不包含任何文本的 TextBox 控件时，MenuItem 控件处于禁用状态而且该命令不可执行。

您应该怎么办？

- A. 在 TextBox 控件的 GotFocus 事件处理程序中，设置 MenuItem 控件的 IsEnabled 属性。
- B. 将该命令的 CanExecute 属性设置为 Highlight\_CanExecute。

将以下方法添加到该窗口的代码隐藏文件中。

```
private void Highlight_CanExecute(object sender, CanExecuteEventArgs e) {
    TextBox txtBox = sender as TextBox;
    e.CanExecute = (txtBox.Text.Length > 0);
}
```

- C. 将该命令的 CanExecute 属性设置为 Highlight\_CanExecute。

将以下方法添加到该窗口的代码隐藏文件中。

```
private void Highlight_CanExecute(object sender, CanExecuteEventArgs e) {
    TextBox txtBox = e.Source as TextBox;
    e.CanExecute = (txtBox.Text.Length > 0);
}
```

- D. 将该命令的 CanExecute 属性设置为 Highlight\_CanExecute。

将以下方法添加到该窗口的代码隐藏文件中。

```
private void Highlight_CanExecute(object sender, CanExecuteEventArgs e) {
    MenuItem menu = e.Source as MenuItem;
    TextBox txtBox = menu.CommandTarget as TextBox;
    Menu.IsEnabled = (txtBox.Text.Length > 0);
}
```

**Answer: C**

2. 您使用 Microsoft .NET Framework 3.5 创建一个 Windows Presentation Foundation 应用程序。

该应用程序名为 EnterpriseApplication.exe。

您使用设计器在用户作用域级别向 Settings.settings 文件中添加 WindowSize 参数和 WindowPosition 参数。窗口的大小和位置是从用户配置文件读取的。

该应用程序必须针对每个执行它的用户保持最初的窗口大小和位置。

您需要确保满足以下要求：

È 每个用户的窗口大小都保存在用户配置文件中。

È 在用户退出应用程序后保留用户设置。

您应该使用哪个配置设置？

A. private void OnClosing(object sender,

```
System.ComponentModel.CancelEventArgs e){  
    Settings.Default.WindowPosition = new Point (this.Left,  
    this.Top);  
    Settings.Default.WindowSize = new Size (this.Width,  
    this.Height);  
    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 windowSizeKey = settingsKey.CreateSubKey("WindowSize");  
    windowPositionKey.SetValue("X", this.Left);  
    windowPositionKey.SetValue("Y", this.Top);  
    windowSizeKey.SetValue("Width", this.Width);  
    windowSizeKey.SetValue("Height", this.Height);  
}
```

```
C. private void OnClosing(object sender,
System.ComponentModel.CancelEventArgs e){
    XmlDocument doc = new XmlDocument();
    doc.Load("EnterpriseApplication.exe.config");
    XmlNode nodePosition =
        doc.SelectSingleNode("//setting[@name='WindowPosition']");
    nodePosition.ChildNodes[0].InnerText = String.Format("{0},{1}",
        this.Left, this.Top);
    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="
        "\t\"WindowSize\" serializeAs=\"String\">");
    sw.WriteLine(String.Format("<value>{0},{1}</value>",
        this.Width, this.Height));
    sw.WriteLine("</setting>");
    sw.WriteLine("<setting name="
        "\t\"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();  
}
```

**Answer: A**

3. 您正在使用 Microsoft .NET Framework 3.5 创建一个 Windows Presentation Foundation 应用程序。该应用程序定义一个 **BrowserWindow** 类。**BrowserWindow** 类的每个实例允许用户在一个单独的窗口中浏览网站。在打开新的浏览器窗口时，用户将重定向到一个预定义的 URL。

您编写以下代码段。

```
01 private void OpenNewWindow(object sender, RoutedEventArgs e)  
02 {  
03     Thread newWindowThread = new Thread(new  
04         ThreadStart(NewThreadProc));  
05     newWindowThread.Start();  
06 }  
07 private void NewThreadProc()  
08 {  
09  
10 }
```

您需要确保满足以下要求：

È 在创建其他浏览器窗口时，应用程序的主窗口不被阻止。

È 在应用程序的主窗口关闭时，应用程序即执行完毕。

您应该怎么办？

A. 在第 04 行处插入以下代码段。

```
newWindowThread.SetApartmentState(ApartmentState.STA);
```

```
newWindowThread.IsBackground = true;
```

在第 09 行处插入以下代码段。

```
BrowserWindow newWindow = new BrowserWindow();
```

```
newWindow.Show();
```

```
Application app = new Application();
```

```
app.Run(newWindow);
```

B. 在第 04 行处插入以下代码段。

```
newWindowThread.IsBackground = true;
```

在第 09 行处插入以下代码段。

```
newWindowThread.SetApartmentState(ApartmentState.STA);
```

```
BrowserWindow newWindow = new BrowserWindow();
```

```
newWindow.Show();
```

```
Application app = new Application();
```

```
app.Run(newWindow);
```

C. 在第 04 行处插入以下代码段。

```
newWindowThread.SetApartmentState(ApartmentState.STA);
```

```
newWindowThread.IsBackground = false;
```

在第 09 行处插入以下代码段。

```
BrowserWindow newWindow = new BrowserWindow();
```

```
System.Windows.Threading.Dispatcher.Run();
```

```
newWindow.Show();
```

D. 在第 04 行处插入以下代码段。

```
newWindowThread.SetApartmentState(ApartmentState.STA);
```

```
newWindowThread.IsBackground = true;
```

在第 09 行处插入以下代码段。

```
BrowserWindow newWindow = new BrowserWindow();
```

```
newWindow.Show();
```

```
System.Windows.Threading.Dispatcher.Run();
```

**Answer: D**

4. 您正在使用 Microsoft .NET Framework 3.5 创建一个 Windows Presentation Foundation 应用程序。

该应用程序使用若干个异步操作来计算显示给用户的数据。名为 `tommorowsWeather` 的操作执行将由其他操作使用的计算。

您需要确保 `tommorowsWeather` 以尽可能高的优先级运行。

您应该使用哪个代码段？

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

**Answer: C**

5. 您正在使用 Microsoft .NET Framework 3.5 创建一个 Windows Presentation Foundation 应用程序。  
您为该应用程序创建一个窗口。

您需要确保满足以下要求：

È 使用 `ListBox` 控件以双列格式显示字符串数组。

È `ListBox` 控件中数据的流动方向为从左向右、自上向下。

您应该怎么办？

A. 使用按如下方式定义的 `ListBox` 控件。

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

```
</ListBox.ItemsPanel>
```

```
</ListBox>
```

使用下面的 C# 代码将字符串数组与 `ListBox` 控件关联。

```
myList.ItemsSource = arrayOfString;
```

B. 使用按如下方式定义的 `ListBox` 控件。

```
<ListBox Name="myList">
```

```
<ListBox.ItemsPanel>
```

```
<ItemsPanelTemplate>
```

```
<StackPanel />
```

```
</ItemsPanelTemplate>
```

```
</ListBox.ItemsPanel>
```

```
</ListBox>
```

使用下面的 C# 代码将字符串数组与 `ListBox` 控件关联。

```
myList.ItemsSource = arrayOfString;
```

C. 使用按如下方式定义的 `ListBox` 控件。

```
<ListBox Name="myList">
```

```
<ListBox.ItemsPanel>
```

```
<ItemsPanelTemplate>
```

```
<WrapPanel />
```

```
</ItemsPanelTemplate>
```

```
</ListBox.ItemsPanel>
```

```
</ListBox>
```

使用下面的 C# 代码将字符串数组与 `ListBox` 控件关联。

```
myListView.ItemsSource = arrayOfString;
```

D. 使用按如下方式定义的 `ListBox` 控件。

```
<ListBox Name="myList">
```

```
<ListBox.ItemsPanel>
```

```
<ItemsPanelTemplate>
```

```
<Grid>
```

```
<Grid.ColumnDefinitions>
```

```
<ColumnDefinition />
<ColumnDefinition />
</Grid.ColumnDefinitions>
</Grid>
</ItemsPanelTemplate>
</ListBox.ItemsPanel>
</ListBox>
```

使用下面的 C# 代码将字符串数组与 `ListBox` 控件关联。

```
myList.ItemsSource = arrayOfString;
```

**Answer: A**

6. 您使用 `Windows Presentation Foundation` 和 `Microsoft .NET Framework 3.5` 创建一个窗体。该窗体中包含一个状态栏。

您打算向该状态栏添加一个 `ProgressBar` 控件。

您需要确保 `ProgressBar` 控件显示您无法预测完成时间的任务的进度。

您应该使用哪个代码段？

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

**Answer: A**

7. 您正在将 `Windows` 窗体应用程序转换为 `Windows Presentation Foundation (WPF)` 应用程序。您使用 `Microsoft .NET Framework 3.5` 创建该 `WPF` 应用程序。

该 `WPF` 应用程序将重用此 `Windows` 窗体应用程序的 30 个窗体。

该 `WPF` 应用程序中包含下面的类定义。

```
public class OwnerWindow :
    System.Windows.Forms.IWin32Window
{
    private IntPtr handle;
```

```
public IntPtr Handle
{
    get { return handle; }
    set { handle=value; }
}
}
```

您在该 WPF 应用程序中编写以下代码段。(所包括的行号仅供参考。)

```
01 public DialogResult LaunchWindowsFormsDialog(
02     Form dialog, Window wpfParent)
03 {
04     WindowInteropHelper helper=new
05     WindowInteropHelper(wpfParent);
06     OwnerWindow owner=new OwnerWindow();
07
08 }
```

您需要确保该应用程序能够以模式对话框形式启动可重用的窗体。

您应该在第 07 行处插入哪个代码段？

A. owner.Handle = helper.Owner;

return dialog.ShowDialog(owner);

B. owner.Handle = helper.Handle;

return dialog.ShowDialog(owner);

C. owner.Handle = helper.Owner;

bool? result = wpfParent.ShowDialog();

if (result.HasValue)

return result.Value == System.Windows.Forms.DialogResult.OK ?

System.Windows.Forms.DialogResult.Cancel;

else

return System.Windows.Forms.DialogResult.Cancel;

D. owner.Handle = helper.Handle;

bool? result = wpfParent.ShowDialog();

```
if (result.HasValue)
    return result.Value == System.Windows.Forms.DialogResult.OK ?
        System.Windows.Forms.DialogResult.Cancel;
else
    return System.Windows.Forms.DialogResult.Cancel;
```

**Answer: B**

8. 您正在使用 Microsoft .NET Framework 3.5 创建一个 Windows Presentation Foundation (WPF) 应用程序。

该 WPF 应用程序有一个名为 rootGrid 的 Grid 控件。

您编写以下 XAML 代码片段。

```
<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>
```

您需要确保每次打开 WPF 窗口时，都会向 rootGrid 中添加一个名为 MyCustomFormsControl 的 Windows 窗体控件。

您应该使用哪个代码段？

```
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();
    HwndSource source = HwndSource.FromHwnd(formsControl.Handle);
    UIElement formsElement = source.RootVisual as UIElement;
    rootGrid.Children.Add(formsElement);
}
```

D. private void Window\_Loaded(object sender, RoutedEventArgs e)

```
{
    MyCustomFormsControl formsControl=new MyCustomFormsControl();
    formsControl.CreateControl();
    HwndTarget target = new HwndTarget(formsControl.Handle);
    UIElement formsElement = target.RootVisual as UIElement;
    rootGrid.Children.Add(formsElement);
}
```

**Answer: A**

9. 您正在使用 Microsoft .NET Framework 3.5 创建一个 Windows Presentation Foundation 应用程序。

您在此程序中包含了功能以解决窗口行为问题。

您需要在窗口中鼠标单击的位置显示 UI 元素列表。您还需要确保此元素列表显示在消息框中。

您应该将下面哪个代码段包括在代码隐藏文件中？

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 < this.ChildrenCount; i++) {  
        controlsToDisplay += this.GetChild(i).ToString() + "\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.ChildrenCount(sender as  
        Visual); i++) {  
        myVisual = (Visual)VisualTreeHelper.GetChild(sender as Visual, i);  
        controlsToDisplay += myVisual.GetType().ToString() + "\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;  
}
```

**Answer: D**

10. 您正在使用 Microsoft .NET Framework 3.5 创建一个 Windows Presentation Foundation 应用程序。

您在此程序中包含了功能以解决窗口行为问题。

您需要在窗口中鼠标单击的位置显示 UI 元素列表。您还需要确保此元素列表显示在消息框中。

您应该将下面哪个代码段包括在代码隐藏文件中？

A. Dim controlsToDisplay As String = String.Empty

```
Private Sub Window_MouseDown(ByVal sender As Object, _  
    ByVal e As MouseButtonEventArgs)  
    controlsToDisplay = CType(sender, UIElement).ToString()  
    MessageBox.Show(controlsToDisplay)
```

End Sub

B. Dim controlsToDisplay As String = String.Empty

```
Private Sub Window_MouseDown(ByVal sender As Object, _  
    ByVal e As MouseButtonEventArgs)  
    For i = 0 To VisualChildrenCount - 1  
        controlsToDisplay += GetVisualChild(i).ToString() + "\r\n"
```

Next

```
    MessageBox.Show(controlsToDisplay)
```

End Sub

C. Dim controlsToDisplay As String = String.Empty

```
Private Sub Window_MouseDown(ByVal sender As Object, _  
    ByVal e As MouseButtonEventArgs)
```

```
    Dim myVisual As Visual()
```

```
    For i = 0 To VisualTreeHelper.GetChildrenCount(CType(sender, _  
        Visual)) - 1
```

```
myVisual(i) = CType(VisualTreeHelper.GetChild(CType(sender, _  
Visual), i), Visual)
```

```
controlsToDisplay += myVisual.GetType().ToString() + "\r\n"
```

```
Next
```

```
MessageBox.Show(controlsToDisplay)
```

```
End Sub
```

```
D. Dim controlsToDisplay As String = String.Empty
```

```
Private Sub Window_MouseDown(ByVal sender As Object, _
```

```
ByVal e As MouseButtonEventArgs)
```

```
Dim pt As Point = e.GetPosition(Me)
```

```
VisualTreeHelper.HitTest(Me, Nothing, _
```

```
New HitTestResultCallback(AddressOf HitTestCallback), _
```

```
New PointHitTestParameters(pt))
```

```
MessageBox.Show(controlsToDisplay)
```

```
End Sub
```

```
Private Function HitTestCallback(ByVal result As HitTestResult) As _
```

```
HitTestResultBehavior
```

```
controlsToDisplay += result.VisualHit.GetType().ToString() + "\r\n"
```

```
Return HitTestResultBehavior.Continue
```

```
End Function
```

**Answer: D**

11. 您正在使用 Microsoft .NET Framework 3.5 创建一个 Windows Presentation Foundation 应用程序。您编写以下代码段（所包括的行号仅供参考）。

```
01 Dim content As Object
```

```
02 Dim fileName As String = "theFile"
```

```
03 Using xamlFile As New FileStream(fileName & ".xaml", _
```

```
04 FileMode.Open, FileAccess.Read)
```

```
06 content = TryCast(XamlReader.Load(xamlFile), Object)
```

```
07 End Using
```

08 Using container As Package = Package.Open(fileName & ".xps", \_

09 FileMode.Create)

10

11 End Using

您需要确保满足以下要求：

È 此应用程序将现有流文档转换为 XPS 文档。

È XPS 文档使用流文档格式生成。

È XPS 文档的大小应为可能的最小值。

您应该在第 10 行插入下面哪个代码段？

A. Using xpsDoc As New XpsDocument(container, \_

CompressionOption.SuperFast)

Dim rsm As XpsSerializationManager = New \_

System.Windows.Xps.XpsSerializationManager(New \_

XpsPackagingPolicy(xpsDoc), False)

rsm.SaveAsXaml(paginator)

End Using

B. Using xpsDoc As New XpsDocument(container, \_

CompressionOption.SuperFast)

Dim rsm As New XpsSerializationManager(New \_

XpsPackagingPolicy(xpsDoc), False)

rsm.Commit()

End Using

C. Using xpsDoc As New XpsDocument(container, \_

CompressionOption.Maximum)

Dim rsm As New XpsSerializationManager(New \_

XpsPackagingPolicy(xpsDoc), False)

Dim paginator As DocumentPaginator = (CType(content, \_

IDocumentPaginatorSource)).DocumentPaginator

rsm.SaveAsXaml(paginator)

End Using

```
D. Using xpsDoc As New XpsDocument(container, _  
    CompressionOption.SuperFast)  
    Dim rsm As New XpsSerializationManager(New _  
        XpsPackagingPolicy(xpsDoc), False)  
    Dim paginator As DocumentPaginator = (CType(content, _  
        IDocumentPaginatorSource)).DocumentPaginator  
    rsm.SaveAsXaml(paginator)  
  
End Using
```

**Answer: C**

12. 您正在使用 Microsoft .NET Framework 3.5 创建一个 Windows Presentation Foundation 应用程序。  
您编写以下代码段（所包括的行号仅供参考）。

```
01 Dim content As Object  
02 Dim fileName As String = "theFile"  
03 Using xamlFile As New FileStream(fileName & ".xaml", _  
04     FileMode.Open, FileAccess.Read)  
06     content = TryCast(XamlReader.Load(xamlFile), Object)  
07 End Using  
08 Using container As Package = Package.Open(fileName & ".xps", _  
09     FileMode.Create)  
10  
11 End Using
```

您需要确保满足以下要求：

È 此应用程序将现有流文档转换为 XPS 文档。

È XPS 文档使用流文档格式生成。

È XPS 文档的大小为可能的最小值。

您应该在第 10 行插入下面哪个代码段？

```
A. Using xpsDoc As New XpsDocument(container, _  
    CompressionOption.SuperFast)  
    Dim rsm As XpsSerializationManager = New _
```

```
System.Windows.Xps.XpsSerializationManager(New _  
XpsPackagingPolicy(xpsDoc), False)  
rsm.SaveAsXaml(paginator)
```

End Using

```
B. Using xpsDoc As New XpsDocument(container, _  
CompressionOption.SuperFast)  
Dim rsm As New XpsSerializationManager(New _  
XpsPackagingPolicy(xpsDoc), False)  
rsm.Commit()
```

End Using

```
C. Using xpsDoc As New XpsDocument(container, _  
CompressionOption.Maximum)  
Dim rsm As New XpsSerializationManager(New _  
XpsPackagingPolicy(xpsDoc), False)  
Dim paginator As DocumentPaginator = (CType(content, _  
IDocumentPaginatorSource)).DocumentPaginator  
rsm.SaveAsXaml(paginator)
```

End Using

```
D. Using xpsDoc As New XpsDocument(container, _  
CompressionOption.SuperFast)  
Dim rsm As New XpsSerializationManager(New _  
XpsPackagingPolicy(xpsDoc), False)  
Dim paginator As DocumentPaginator = (CType(content, _  
IDocumentPaginatorSource)).DocumentPaginator  
rsm.SaveAsXaml(paginator)
```

End Using

**Answer: C**

13. 您正在使用 Microsoft .NET Framework 3.5 创建一个 Windows Presentation Foundation 应用程序。此应用程序使用 FlowDocumentPageViewer 类的实例来显示文档。该实例的名称为 fdpv。用户可以突出

显示文档内容并为其添加注释。

您需要确保为文档作的注释得以保存，且这些注释在文档再次显示时呈现出来。

您应该使用下面哪个代码段？

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

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

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

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

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

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

```
D. protected void OnLoaded(object sender, RoutedEventArgs e) {
    AnnotationService service = AnnotationService.GetService(fdpv);
```

```
if (service == null) {
    AnnotationStream = new FileStream("annotations.xml",
    FileMode.Open, FileAccess.ReadWrite);
    service = new AnnotationService(fdpv);
    AnnotationStore store = new XmlStreamStore(AnnotationStream);
    service.Enable(store);
}
}
private void OnClosing(object sender,
System.ComponentModel.CancelEventArgs e) {
    AnnotationService service = AnnotationService.GetService(fdpv);
    if (service != null && service.IsEnabled) {
        service.Disable();
        AnnotationStream.Close();
    }
}
```

**Answer: C**

14. 您正在使用 Microsoft .NET Framework 3.5 创建一个 Windows Presentation Foundation 应用程序。此应用程序将使用 FlowDocumentPageViewer 类的实例来显示文档。该实例的名称为 fdpv。用户可以突出显示文档内容并为其添加注释。

您需要确保为文档作的注释得以保存，且这些注释在文档再次显示时呈现出来。

您应该使用下面哪个代码段？

```
A. Protected Sub OnTextInput(ByVal sender As Object, _
ByVal e As RoutedEventArgs)
Dim service As AnnotationService = _
AnnotationService.GetService(fdpv)
If service Is Nothing Then
AnnotationStream = New FileStream("annotations.xml", _
FileMode.Open, FileAccess.ReadWrite)
```

```
service = New AnnotationService(fdpv)
Dim store As AnnotationStore = _
New XmlStreamStore(AnnotationStream)
service.Enable(store)
End If
End Sub

Private Sub OnClosing(ByVal sender As Object, _
ByVal e As System.ComponentModel.CancelEventArgs)
Dim service As AnnotationService = _
AnnotationService.GetService(fdpv)
If Not service Is Nothing AndAlso service.IsEnabled Then
service.Store.Flush()
service.Disable()
AnnotationStream.Close()
End If
End Sub

B. Protected Sub OnLoaded(ByVal sender As Object, _
ByVal e As RoutedEventArgs)
Dim service As AnnotationService = _
AnnotationService.GetService(fdpv)
If service Is Nothing Then
AnnotationStream = New FileStream("annotations.xml", _
FileStreamMode.Open, FileAccess.ReadWrite)
service = New AnnotationService(fdpv)
End If
End Sub

Private Sub OnClosing(ByVal sender As Object, _
ByVal e As System.ComponentModel.CancelEventArgs)
Dim service As AnnotationService = _
AnnotationService.GetService(fdpv)
```

```
If Not service Is Nothing AndAlso service.IsEnabled Then
```

```
service.Store.Flush()
```

```
service.Disable()
```

```
AnnotationStream.Close()
```

```
End If
```

```
End Sub
```

```
C. Protected Sub OnLoaded(ByVal sender As Object, _
```

```
ByVal e As RoutedEventArgs)
```

```
Dim service As AnnotationService = _
```

```
AnnotationService.GetService(fdpv)
```

```
If service Is Nothing Then
```

```
AnnotationStream = New FileStream("annotations.xml", _
```

```
FileMode.Open, FileAccess.ReadWrite)
```

```
service = New AnnotationService(fdpv)
```

```
Dim store As AnnotationStore = New _
```

```
XmlStreamStore(AnnotationStream)
```

```
service.Enable(store)
```

```
End If
```

```
End Sub
```

```
Private Sub OnClosing(ByVal sender As Object, _
```

```
ByVal e As System.ComponentModel.CancelEventArgs)
```

```
Dim service As AnnotationService = _
```

```
AnnotationService.GetService(fdpv)
```

```
If Not service Is Nothing AndAlso service.IsEnabled Then
```

```
service.Store.Flush()
```

```
service.Disable()
```

```
AnnotationStream.Close()
```

```
End If
```

```
End Sub
```

```
D. Protected Sub OnLoaded(ByVal sender As Object, _
```

```
ByVal e As RoutedEventArgs)
Dim service As AnnotationService = _
AnnotationService.GetService(fdpv)
If service Is Nothing Then
AnnotationStream = New FileStream("annotations.xml", _
FileMode.Open, FileAccess.ReadWrite)
service = New AnnotationService(fdpv)
Dim store As AnnotationStore = New _
XmlStreamStore(AnnotationStream)
service.Enable(store)
End If
End Sub

Private Sub OnClosing(ByVal sender As Object, _
ByVal e As System.ComponentModel.CancelEventArgs)
Dim service As AnnotationService = _
AnnotationService.GetService(fdpv)
If Not service Is Nothing AndAlso service.IsEnabled Then
service.Disable()
AnnotationStream.Close()
End If
End Sub
```

**Answer: C**

15. 您正在使用 Microsoft .NET Framework 3.5 创建一个 Windows Presentation Foundation 应用程序。

您打算使用此应用程序预览视频文件。

您编写以下 XAML 代码片段。

```
01 <Window
01 x:Class="myClass" xmlns=
01 "http://schemas.microsoft.com/winfx/2006/xaml/presentation"
01 xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"
```

```
01 Title="myWindow" Height="300" Width="300">
02   <StackPanel Background="Black">
03
04     <StackPanel HorizontalAlignment="Center"
04     Orientation="Horizontal">
05       <Button Name="btnPlay" Margin="10" Content="Play" />
06     </StackPanel>
07
08   </StackPanel>
09 </Window>
```

您需要确保此应用程序仅播放您要预览的视频的前 10 秒。

您应该执行哪两个操作？（每个正确的答案提供部分解决方案。请选择两个答案。）

A. 在第 03 行插入以下 XAML 片段。

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

B. 在第 03 行插入以下 XAML 片段。

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

C. 在代码隐藏文件中创建以下方法。

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

D. 在第 07 行插入以下 XAML 片段。

```
<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>
```

```

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

```

E. 在第 07 行插入以下 XAML 片段。

```

<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>

```

**Answer: AD**

16. 您正在使用 Microsoft .NET Framework 3.5 创建一个 Windows Presentation Foundation 应用程序。

您打算使用此应用程序预览视频文件。

您编写以下 XAML 代码片段。

```

01 <Window
01 x:Class="myClass" xmlns=
01 "http://schemas.microsoft.com/winfx/2006/xaml/presentation"
01 xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"
01 Title="myWindow" Height="300" Width="300">
02   <StackPanel Background="Black">

```

03

04 <StackPanel HorizontalAlignment="Center"

04 Orientation="Horizontal">

05 <Button Name="btnPlay" Margin="10" Content="Play" />

06 </StackPanel>

07

08 </StackPanel>

09 </Window>

您需要确保此应用程序仅播放您要预览的视频的前 10 秒。

您应该执行哪两个操作？（每个正确的答案提供部分解决方案。请选择两个答案。）

A. 在第 03 行插入以下 XAML 片段。

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

B. 在第 03 行插入以下 XAML 片段。

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

C. 在代码隐藏文件中创建以下方法。

```
Public Sub PlayMedia(ByVal sender As Object, _  
ByVal args As RoutedEventArgs)  
    myMediaElement.Play()  
End Sub
```

D. 在第 07 行插入以下 XAML 片段。

```
<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>
```

```

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

```

E. 在第 07 行插入以下 XAML 片段。

```

<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>

```

**Answer: AD**

17. 您正在创建一个 Windows Presentation Foundation 应用程序。

您为此应用程序创建一个窗口。此应用程序包含一个名为 `AudioFileToPlay.wav` 的音频文件。

您需要确保每次单击该窗口的工作区时都会播放该音频文件。

您应该怎么办？

A. 将以下 XAML 代码行添加到该窗口中。

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

B. 将以下代码段添加到代码隐藏文件中的 `window constructor` 方法中。

```

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

```

C. 将以下代码段添加到代码隐藏文件中的 `window MouseDown` 方法中。

```
MediaPlayer player = new MediaPlayer();  
player.SetValue(MediaElement.SourceProperty,new Uri("AudioFileToPlay.wav", UriKind.Relative));  
player.Play();
```

D. 将以下 XAML 代码片段添加到窗口中。

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

**Answer: D**

18. 您正在创建一个 `Windows Presentation Foundation` 应用程序。

您为此应用程序创建一个窗口。此应用程序包含一个名为 `AudioFileToPlay.wav` 的音频文件。

您需要确保满足以下要求：

É 每次单击该窗口的工作区时都会播放该音频文件。

É 该窗口在音频文件播放时提供最佳性能。

您应该怎么办？

A. 将以下 XAML 代码行添加到该窗口中。

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

B. 将以下代码段添加到代码隐藏文件中的 `window constructor` 方法中。

```
Dim player As New SoundPlayer()  
player.SoundLocation = "AudioFileToPlay.wav"  
player.Play()
```

C. 将以下代码段添加到代码隐藏文件中的 `window MouseDown` 方法中。

```
Dim player As New MediaElement()  
player.Source = New Uri("AudioFileToPlay.wav", UriKind.Relative)  
player.LoadedBehavior = MediaState.Manual
```

player.Play()

D. 将以下 XAML 代码片段添加到窗口中。

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

**Answer: D**

19. 您正在使用 Microsoft .NET Framework 3.5 创建一个 Windows Presentation Foundation 应用程序。

您的项目包含一个名为 Data 的文件夹。

您在此 Data 文件夹中添加一个名为 song.mp3 的 MP3 文件。您将此 MP3 文件的 Build Action 属性设置为 Resource。

您需要从该应用程序访问此 MP3 文件。

您应该使用下面哪个代码段？

- 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;

**Answer: D**

20. 您正在使用 Microsoft .NET Framework 3.5 创建一个 Windows Presentation Foundation 应用程序。

您的项目包含一个名为 Data 的文件夹。

您在此 Data 文件夹中添加一个名为 song.mp3 的 .MP3 文件。您将此应用程序的 Build Action 属性设置为 Resource。

您需要通过其中一个 Application 类访问此 .MP3 文件。

您应该使用哪个代码段？

A. Dim uri As New Uri("/Data/song.mp3", UriKind.Relative)

```
Dim sri As StreamResourceInfo = Application.GetContentStream(uri)
```

```
Dim stream As Stream = sri.Stream
```

B. Dim uri As New Uri("/Data/song.mp3", UriKind.Relative)

```
Dim sri As StreamResourceInfo = Application.LoadComponent(uri)
```

```
Dim stream As Stream = sri.Stream
```

C. Dim uri As New Uri("/Data/song.mp3", UriKind.Relative)

```
Dim sri As StreamResourceInfo = Application.GetRemoteStream(uri)
```

```
Dim stream As Stream = sri.Stream
```

D. Dim uri As New Uri("/Data/song.mp3", UriKind.Relative)

```
Dim sri As StreamResourceInfo = Application.GetResourceStream(uri)
```

```
Dim stream As Stream = sri.Stream
```

**Answer: D**