

Course API Comparison

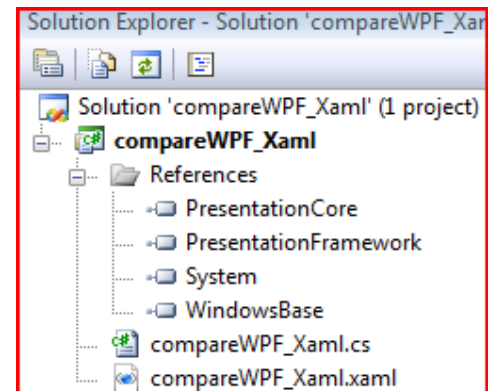
Chapter C4: A WPF Windows Application written in Xaml and C#

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Preliminaries

Guidance for **Visual C# 2008 Express Edition**:

- 1) Main Menu after start of VS 2008: Tools → Options → check lower left checkbox: Show all Settings → Projects and Solutions → Visual Studio projects location: → C:\temp.
- 2) Main Menu after start of VS 2008: File → New Project... → Visual Studio installed templates: Empty Project Name: compareWPF_Xaml → OK.
- 3) Main Menu after start of VS 2008: Project... → compareWPF_Xaml Properties → Application → Output type: switch from Console Application to Windows Application.
- 4) In the Solution Explorer-window right click the branch References. Add Reference → .NET-tab → Scroll down until you find Presentation Core. Click OK. Check whether Presentation Core arrived in the branch References.
In the same way you have to add 3 more references: Presentation Framework, System and WindowsBase.
- 5) In the Solution Explorer-window right click the main branch compareWPF_Xaml. Choose Add → New Item → Text File → Name: compareWPF_Xaml.xaml.
- 6) In the Solution Explorer-window right click the main branch compareWPF_Xaml. Choose Add → New Item → Code File → Name: compareWPF_Xaml.cs.



compareWPF_Xaml.xaml

Write the following lines into the empty window of compareWPF_Xaml.xaml:

```
<Window
xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"
xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"
x:Class="myNameSpace.WPF_Xaml"
Title="WPF Windows Program in XAML + C#"
Width="500" Height="80" x:Name="window">
<Viewbox>
<Border BorderBrush="Black" BorderThickness="2">
<StackPanel Orientation="Horizontal" Margin="2">
<Button Content="Talk!" Click="button1Click" HorizontalAlignment="Left"/>
<TextBox x:Name="textBox" Margin="2,0,2,0" MinWidth="300" TextAlignment="Center"/>
<Button Content="Clear" Click="button2Click" HorizontalAlignment="Right"/>
</StackPanel>
</Border>
</Viewbox>
</Window>
```

compareWPF_Xaml.cs

Write the following lines into the empty window of compareWPF_Xaml.cs:

```
using System;
using System.Windows;
using System.Windows.Controls;
namespace myNameSpace
{ public partial class WPF_Xaml : Window
  { [STAThread] public static void Main()
    { new Application().Run( new WPF_Xaml() );
    }
    public WPF_Xaml() //constructor
    { InitializeComponent();
    }
    private void button1Click( Object sender, EventArgs e )
    { textBox.Text = "WPF Windows Program in XAML + C#. Resize!";
    }
    private void button2Click( Object sender, EventArgs e )
    { textBox.Text = "";
    }
  }
}
```

Click Debug → Start Without Debugging Ctrl F5.

Click the Talk!-button and resize the window.