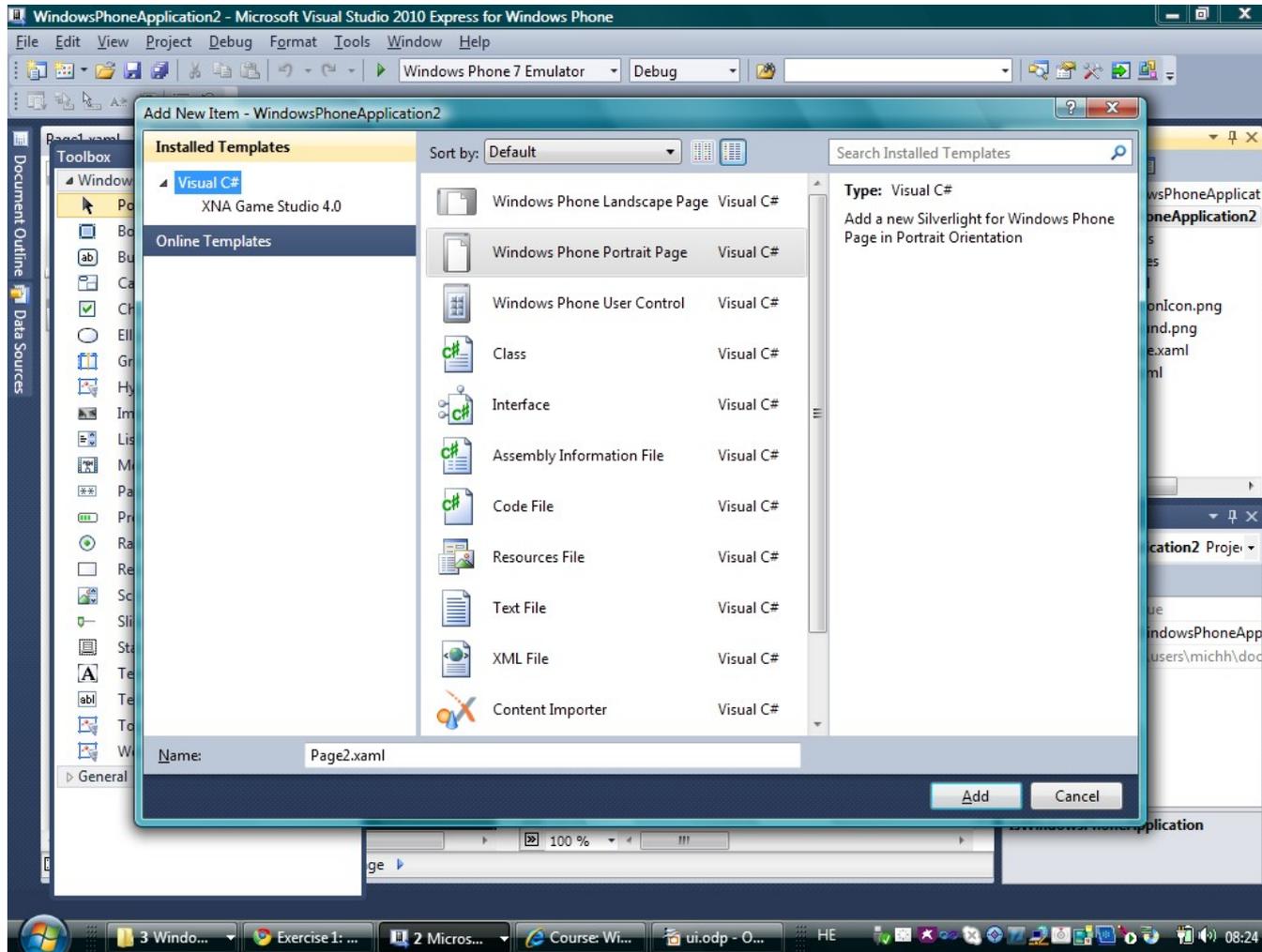


User Interface

Introduction

- ❖ The user interface is implemented using the Silver-Light technology.
- ❖ We can easily drag & drop the controls we want our user interface to include. The required XML will be automatically generated for us.

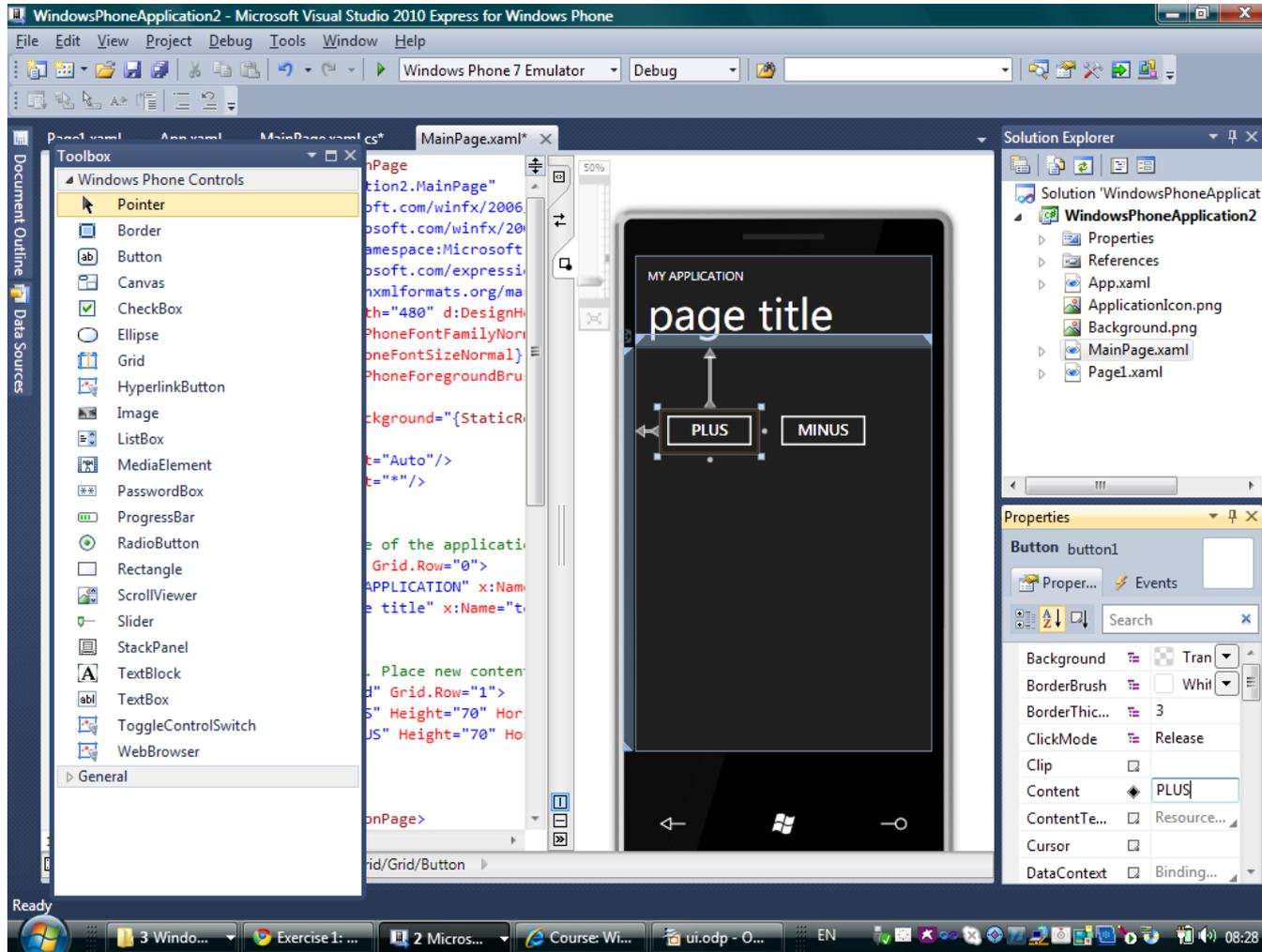
Adding Pages



Adding User Controls

- ❖ We can easily drag & drop adding new user controls to each and every page in our application.
- ❖ Each user control has properties we can easily change using the Properties view.

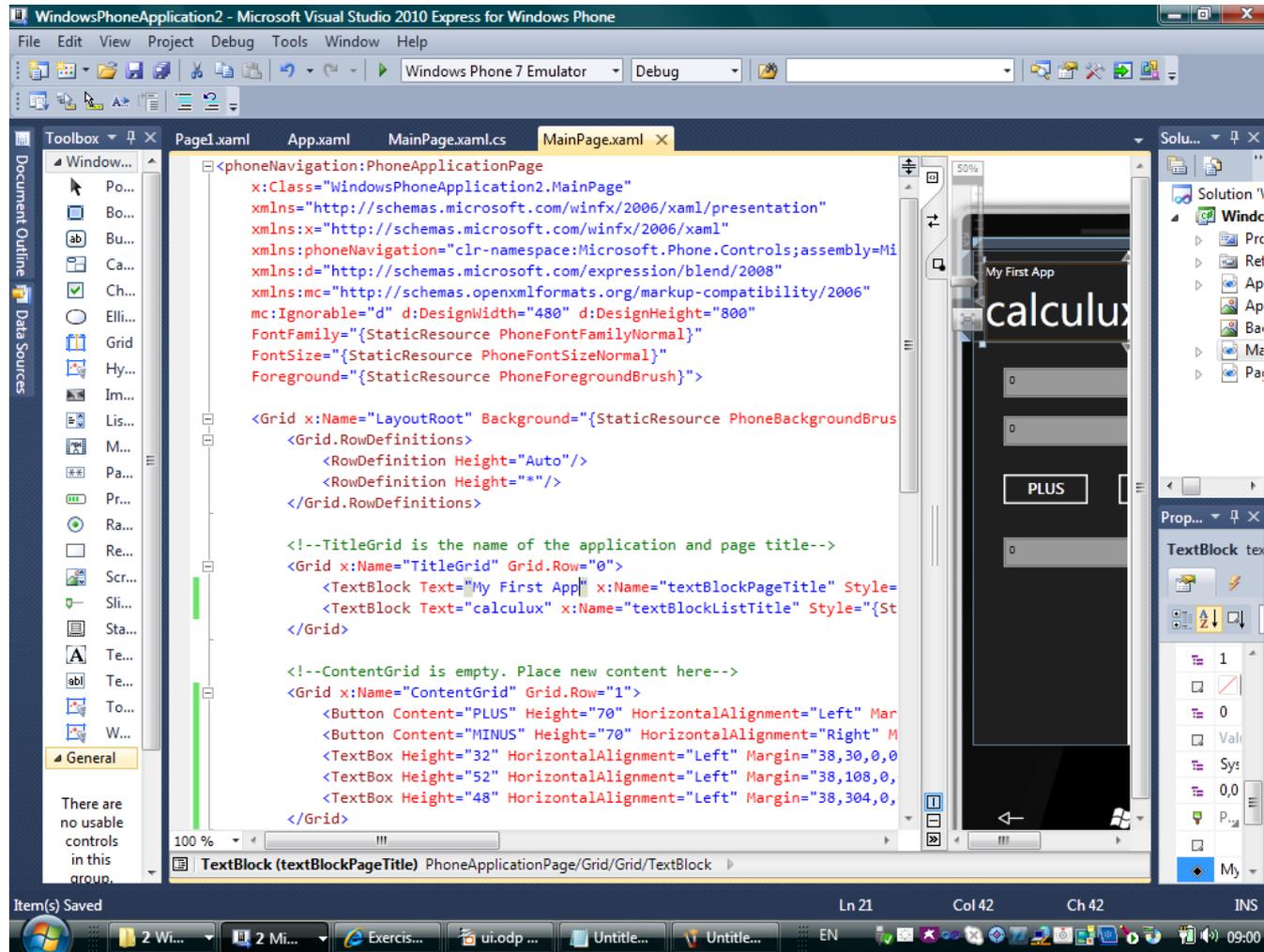
Adding User Controls



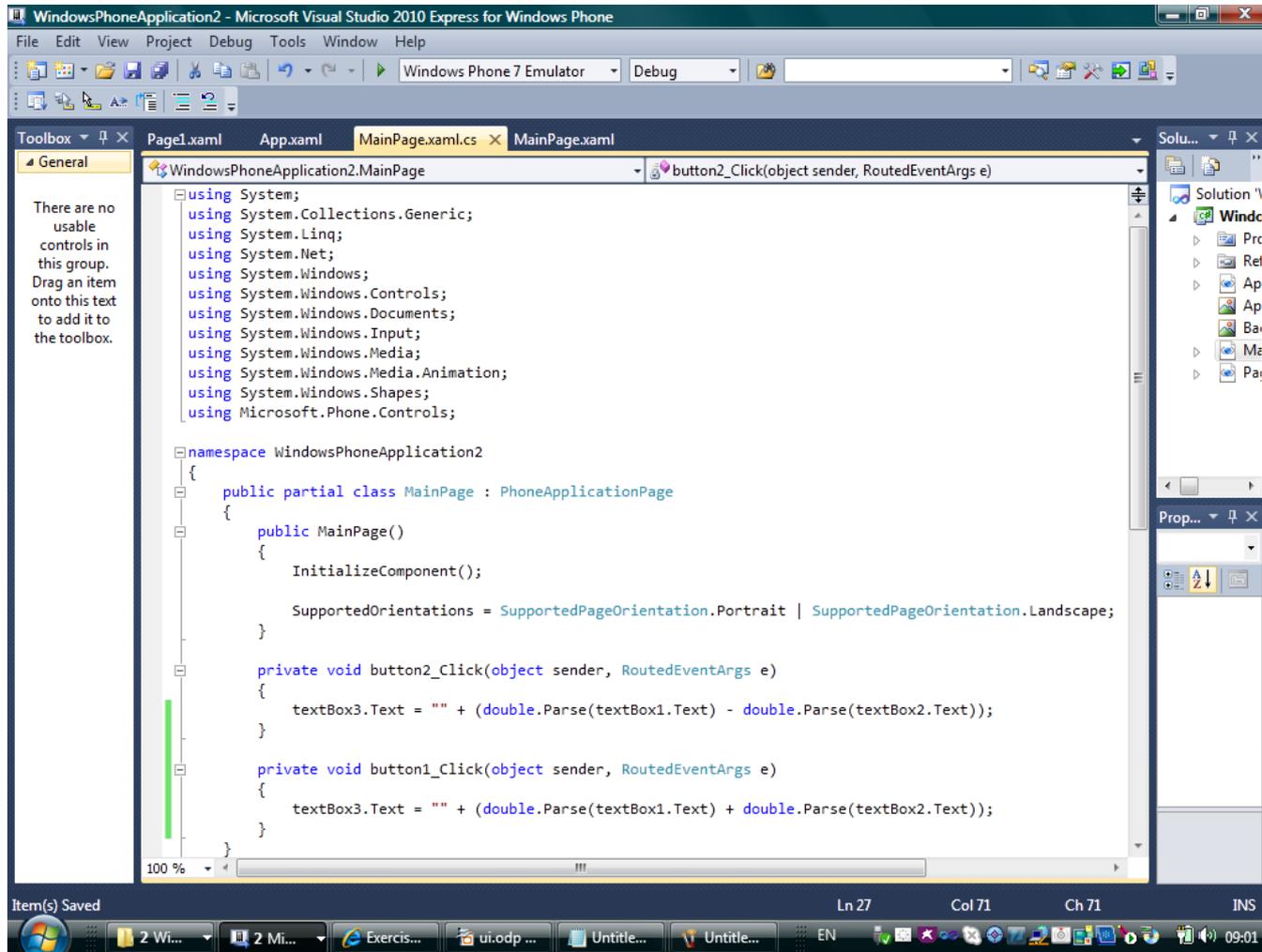
Handling User Events

- ❖ We can easily handle user events. Double click the control we want to handle will take us directly to the method we should fulfill with our code for handling the relevant user event.

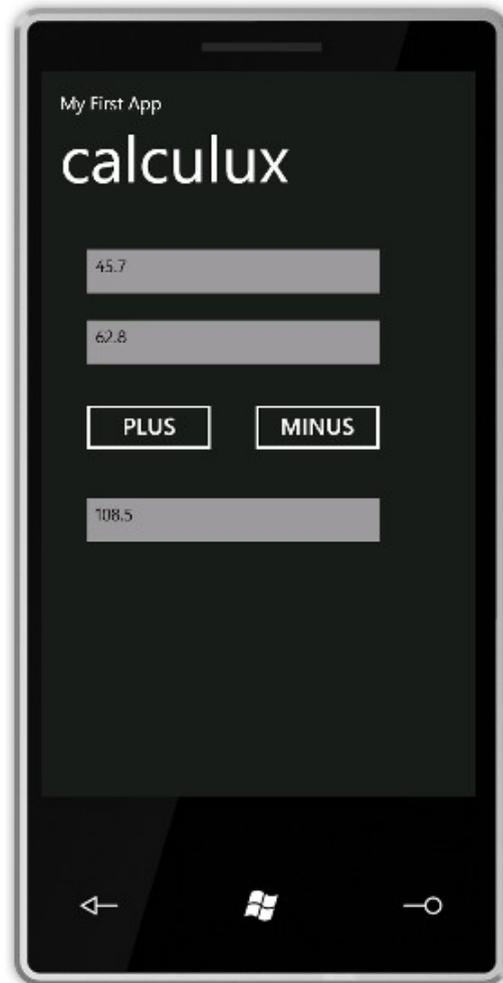
Handling User Events



Handling User Events



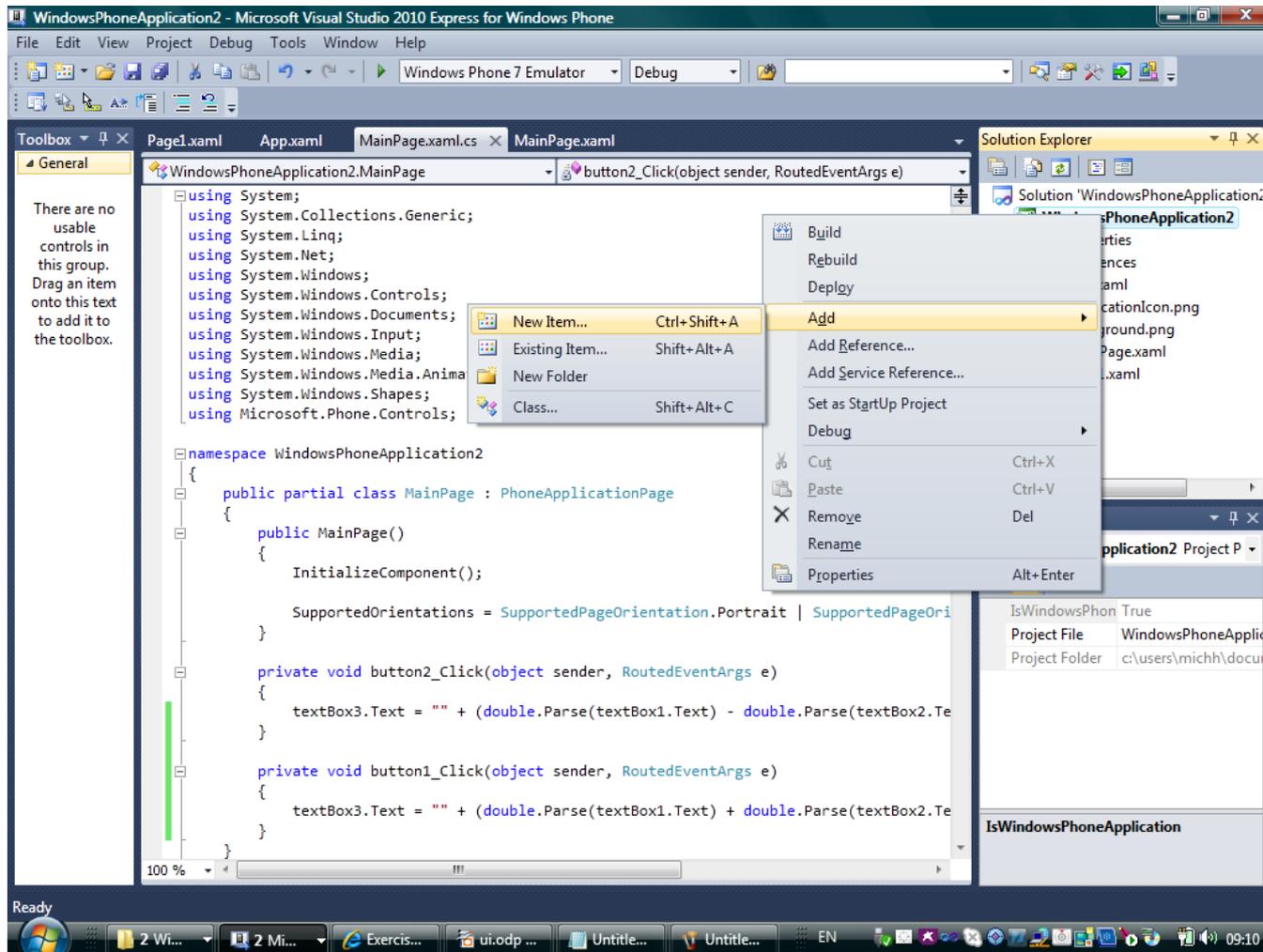
Handling User Events



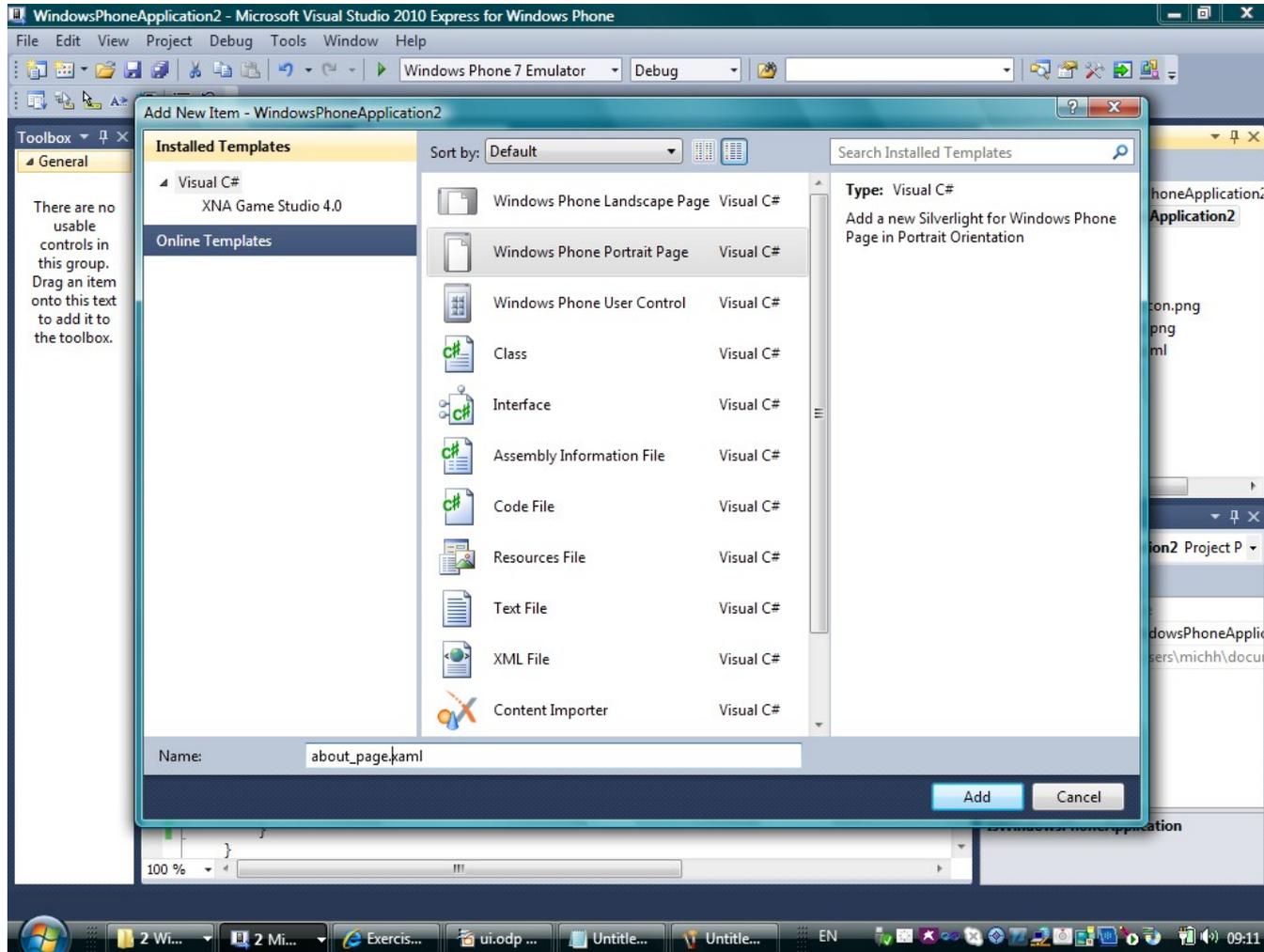
Adding Pages

- ❖ Each screen is represented by XAML file. We can easily add new pages selecting to add new items named either as 'Windows Phone Portrait Page' or 'Windows Phone Landscape Page'.

Adding Pages



Adding Pages



Pages Navigation

- ❖ In order to navigate from one page to another we should use the navigation service.

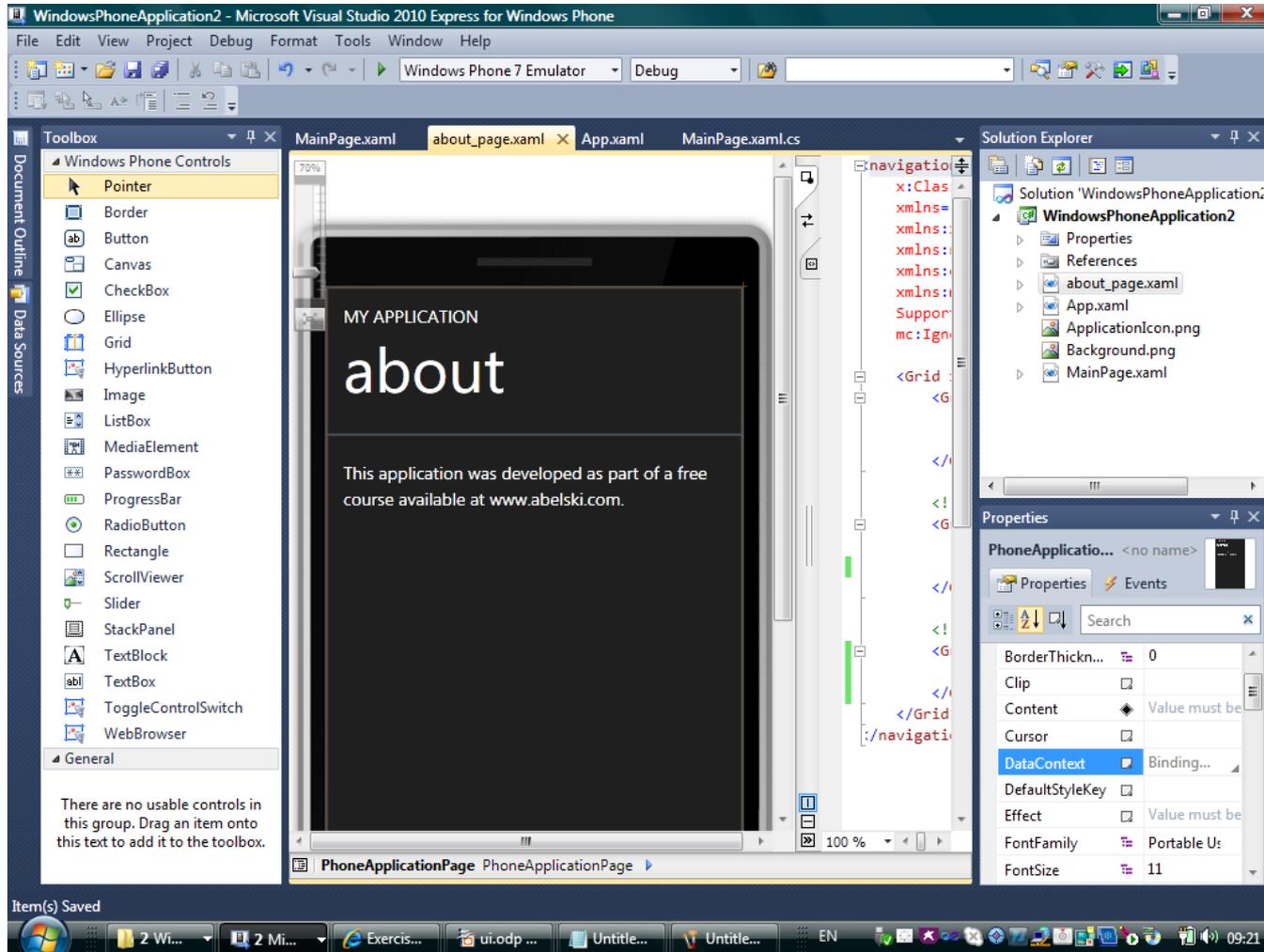
...

```
this.NavigationService.Navigate(  
    new Uri("/about_page.xaml", UriKind.Relative));
```

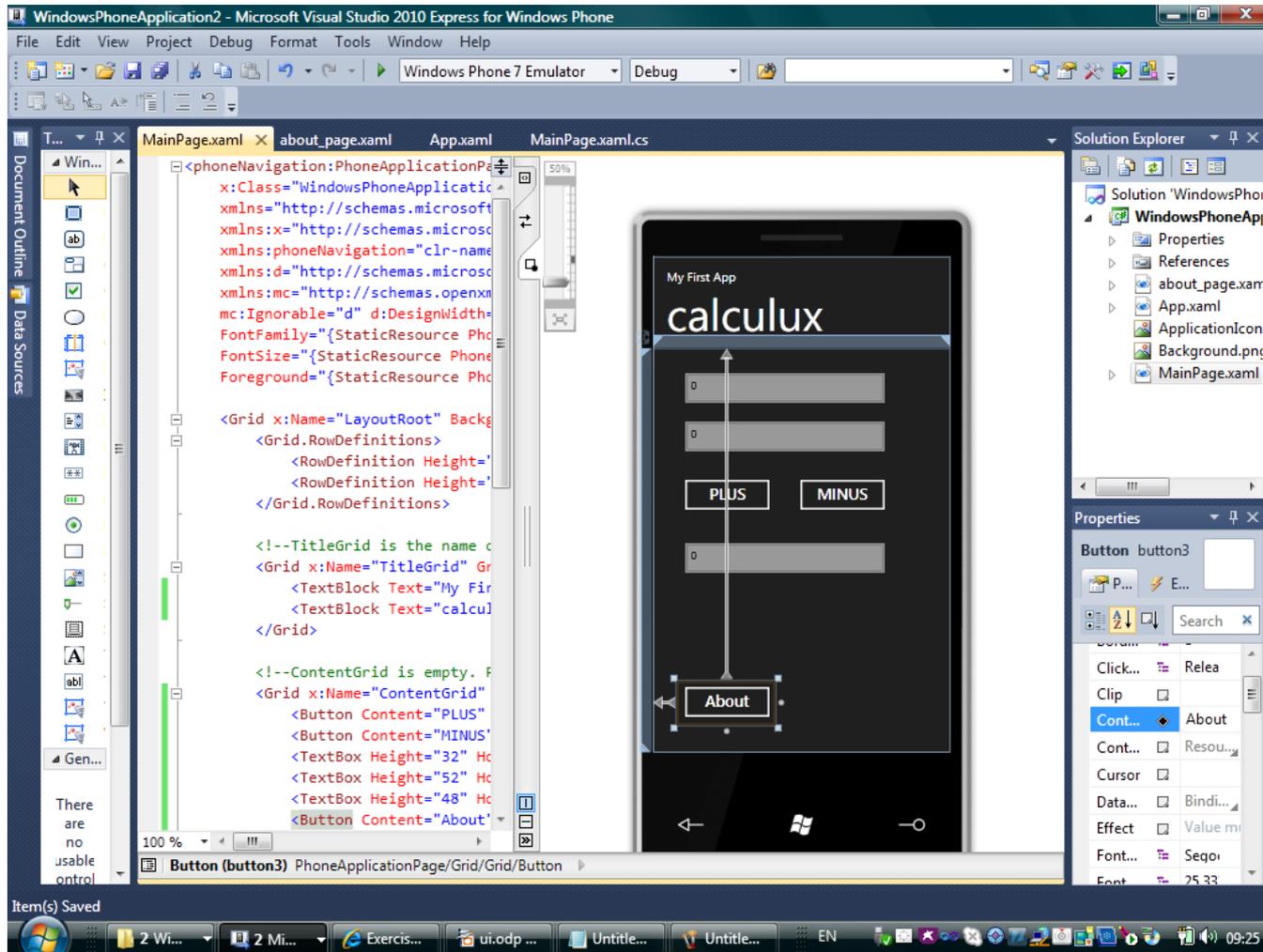
...

- ❖ We can place this code within an events handling method.

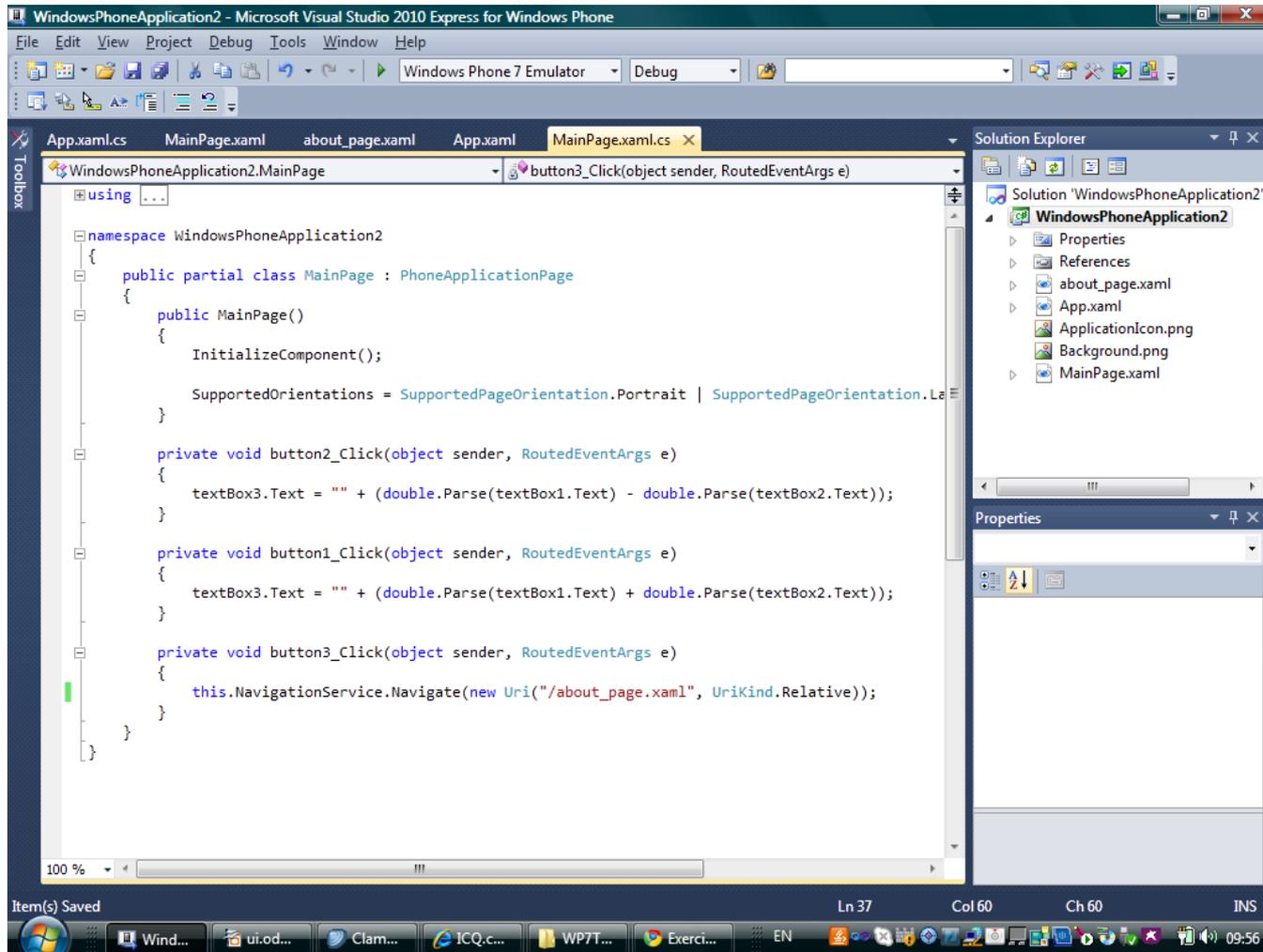
Pages Navigation



Pages Navigation



Pages Navigation



Pages Navigation



User Interface

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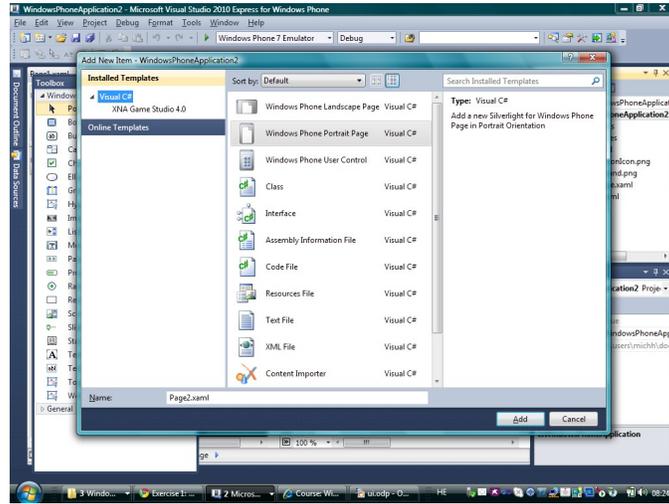
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Introduction

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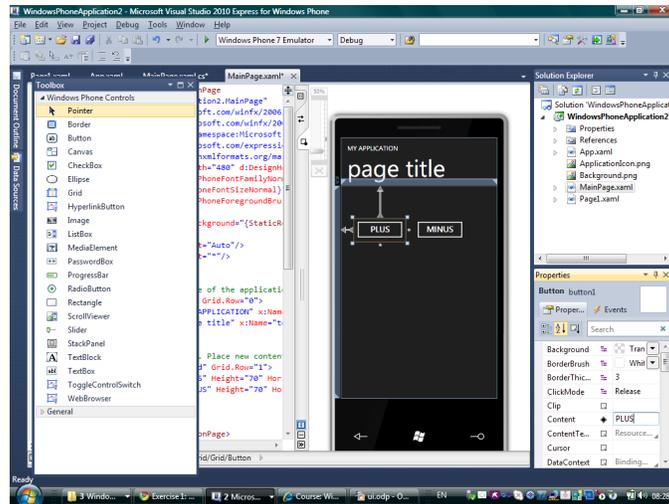
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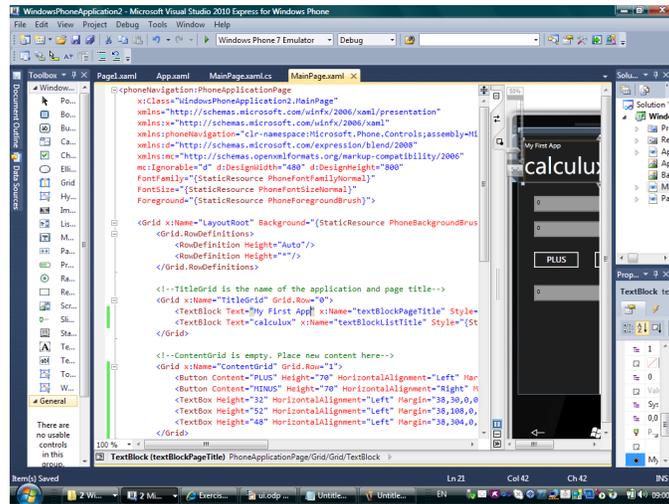
Adding User Controls



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Handling User Events

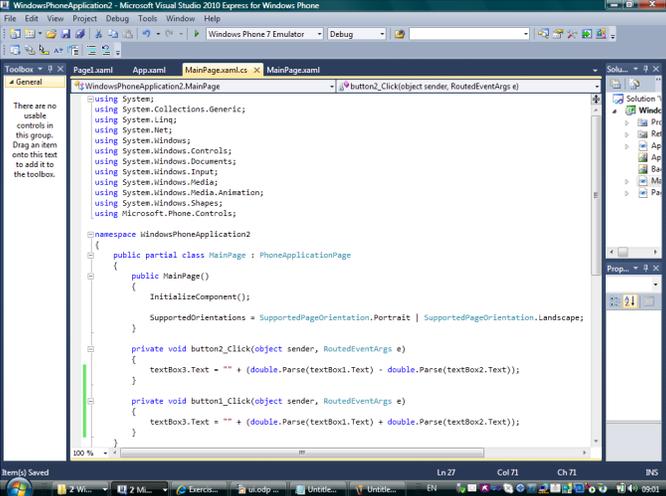


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Handling User Events



The screenshot shows the Visual Studio IDE with a C# code file open. The code defines a partial class `MainPage` that inherits from `PhoneApplicationPage`. It includes several using statements for System namespaces and `Microsoft.Phone.Controls`. The class contains an `InitializeComponent()` method and two event handler methods, `button2_Click` and `button1_Click`, both of which parse the text of two text boxes and concatenate the results.

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Net;
using System.Windows;
using System.Windows.Controls;
using System.Windows.Documents;
using System.Windows.Input;
using System.Windows.Media;
using System.Windows.Media.Animation;
using System.Windows.Shapes;
using Microsoft.Phone.Controls;

namespace WindowsPhoneApplication2
{
    public partial class MainPage : PhoneApplicationPage
    {
        public MainPage()
        {
            InitializeComponent();
            SupportedOrientations = SupportedPageOrientation.Portrait | SupportedPageOrientation.Landscape;
        }

        private void button2_Click(object sender, RoutedEventArgs e)
        {
            textBox3.Text = "" + (double.Parse(textBox1.Text) - double.Parse(textBox2.Text));
        }

        private void button1_Click(object sender, RoutedEventArgs e)
        {
            textBox3.Text = "" + (double.Parse(textBox1.Text) + double.Parse(textBox2.Text));
        }
    }
}
```

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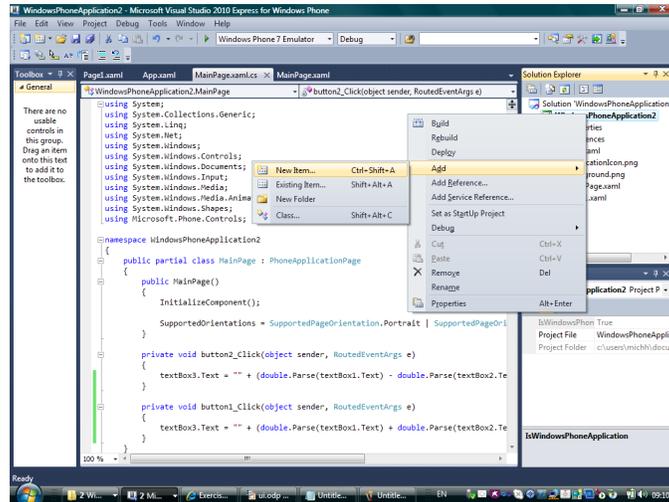
Handling User Events



Adding Pages

- ❖ Each screen is represented by XAML file. We can easily add new pages selecting to add new items named either as 'Windows Phone Portrait Page' or 'Windows Phone Landscape Page'.

Adding Pages

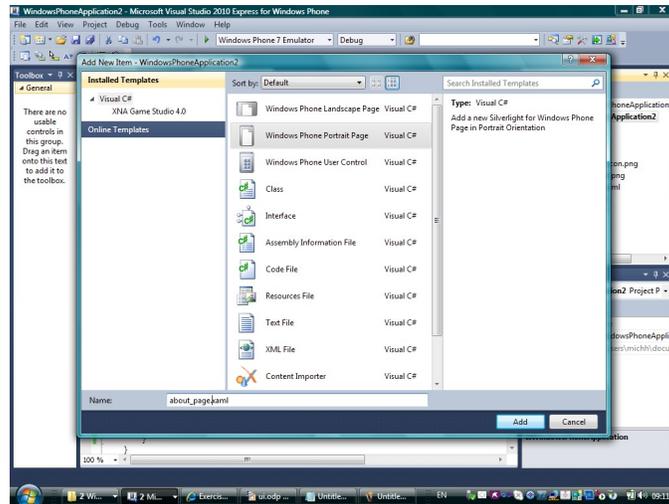


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Adding Pages



Pages Navigation

- ❖ In order to navigate from one page to another we should use the navigation service.

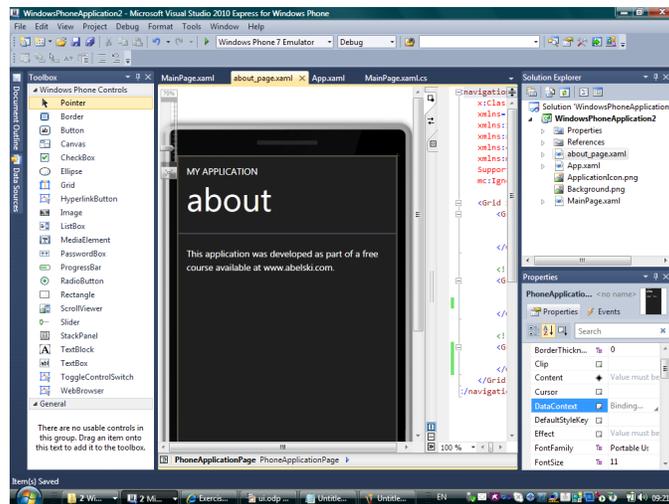
...

```
this.NavigationService.Navigate(  
    new Uri("/about_page.xaml", UriKind.Relative));
```

...

- ❖ We can place this code within an events handling method.

Pages Navigation

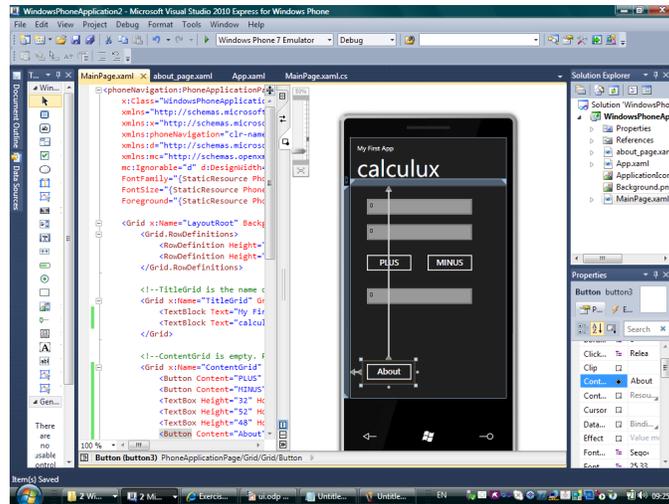


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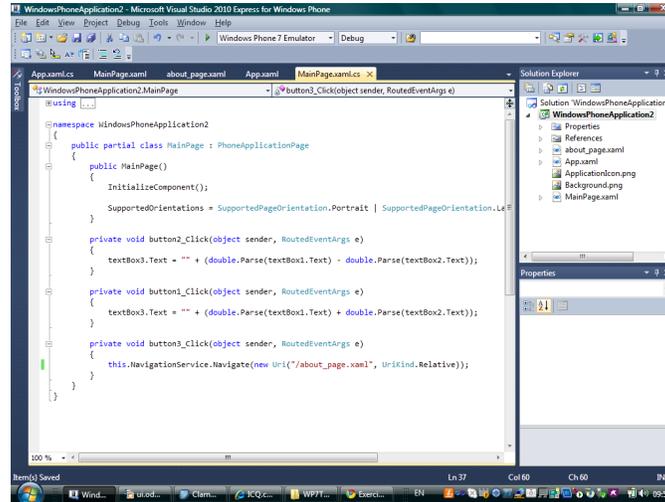
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Pages Navigation



Pages Navigation



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Pages Navigation



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