

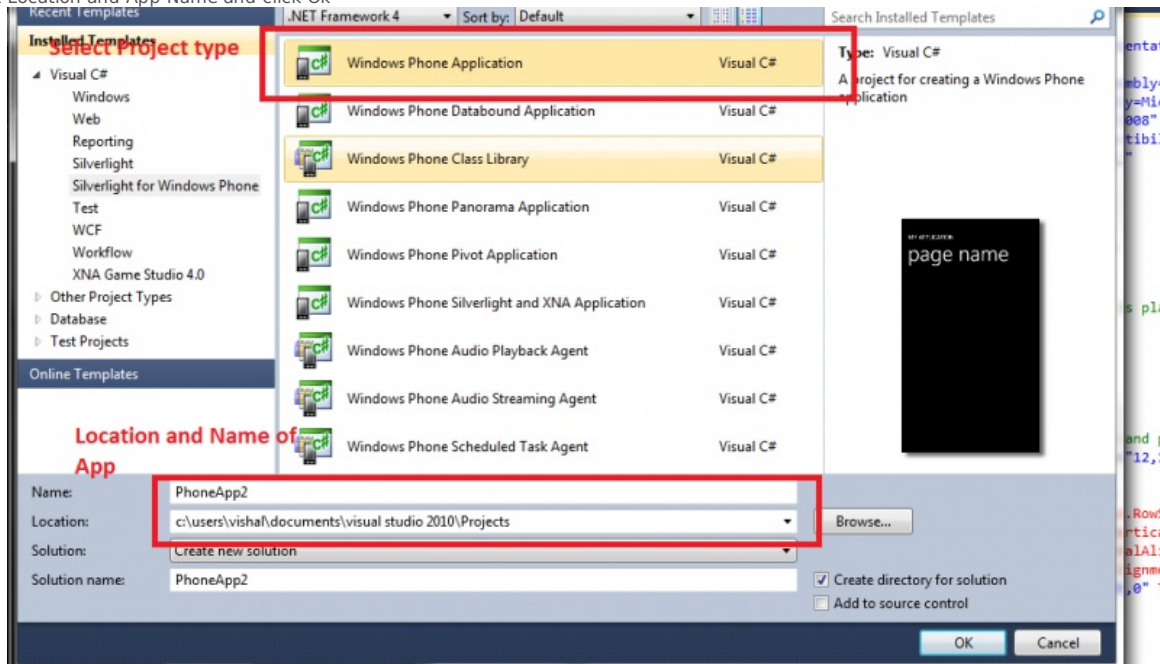
How to create a basic WP app using Visual Studio 2010

This tutorial explains how to use Visual Studio 2010 (or any other version to good extent) to create a basic Windows Phone app. It provides a step by step guide with necessary screen shots

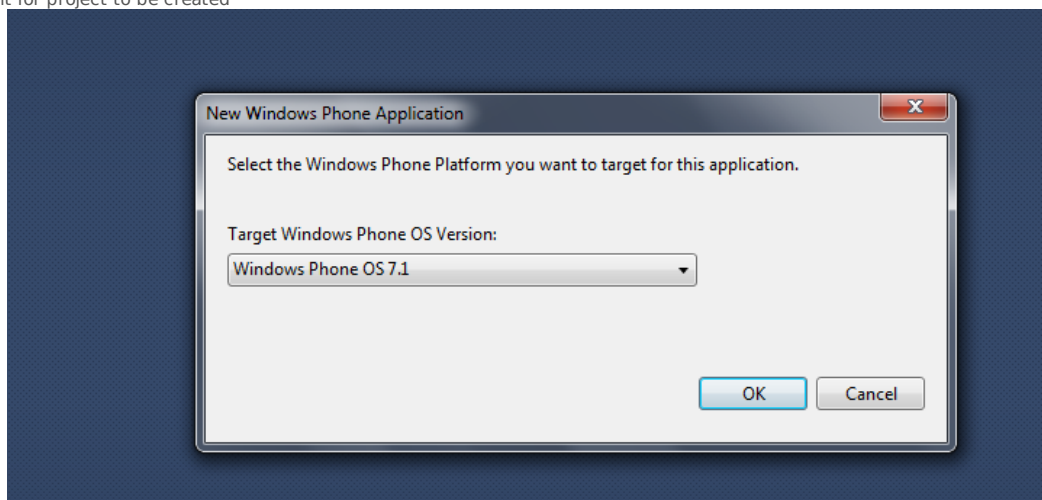
How to



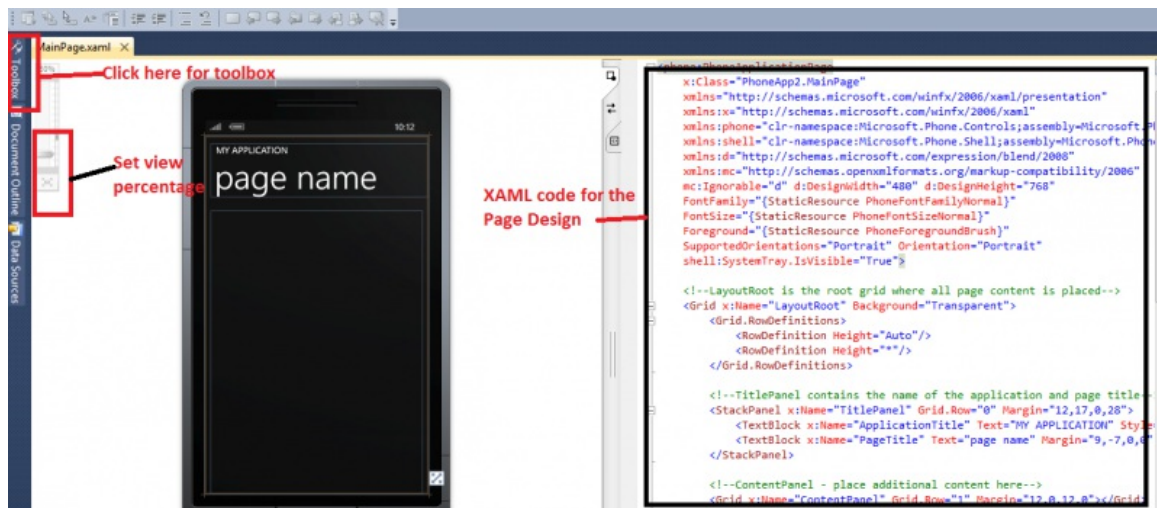
- Start Visual Studio 2010
- Select File -> New -> Project
- Select Application type as Windows Phone Application
- Set Location and App Name and click Ok



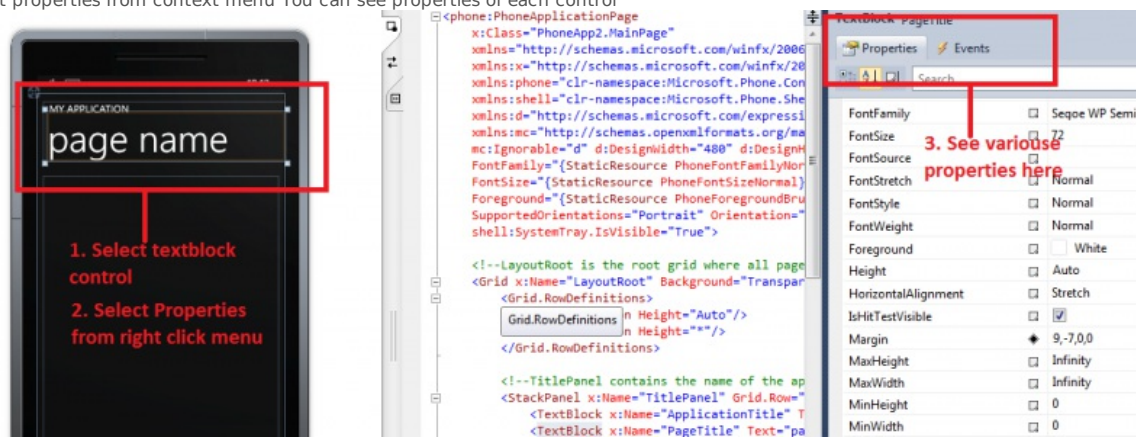
- In next step select Windows Phone OS version as 7.1 (WP Mango)
- Wait for project to be created



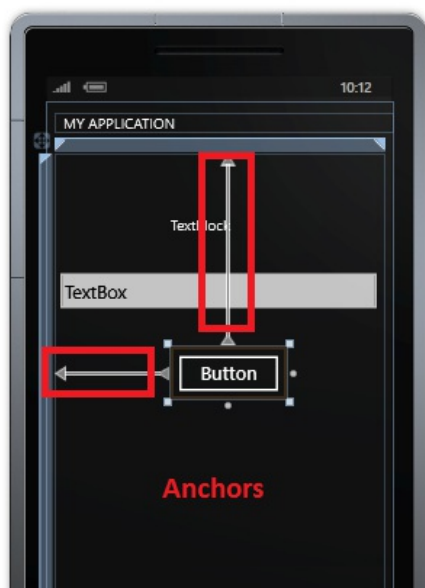
- Observe various options of Visual Studio 2010 as shown in figure below



- Next, try clicking on various parts on page and see which XAML tag gets highlighted.
- Each component on page has corresponding XAML tag
- Selecting a section
- Select properties from context menu You can see properties of each control

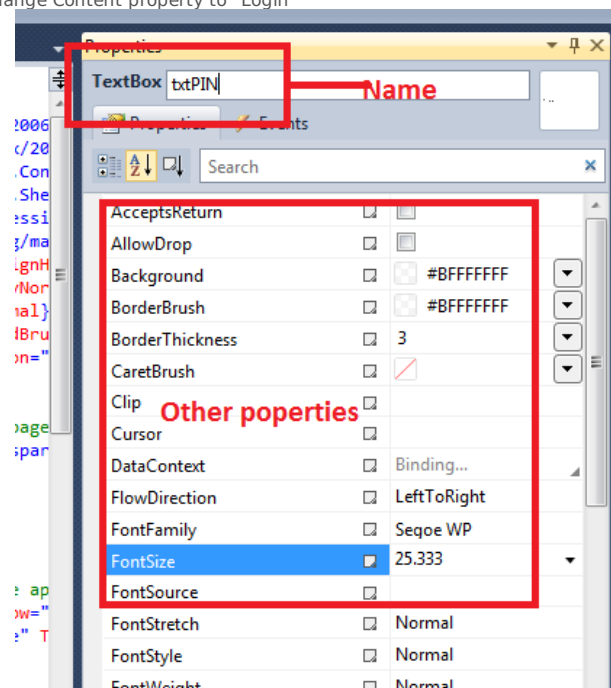


- Next, Select "Page Name" TextBlock control
- Delete it
- Goto ToolBox and drag three controls to page
- A TextBlock, a TextBox and a Button,
- Use anchors to position controls relatively

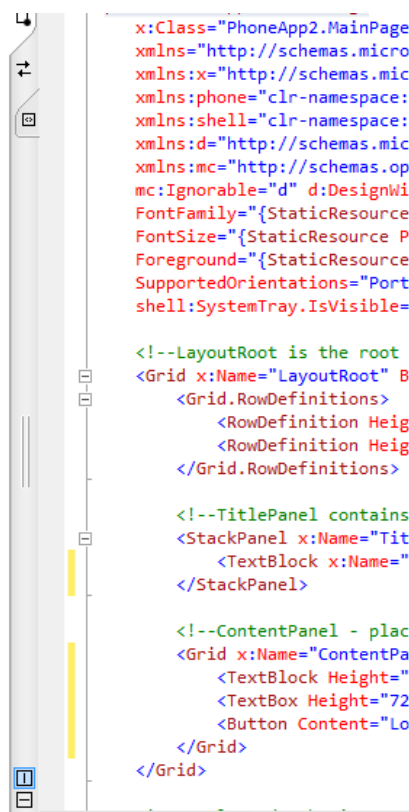
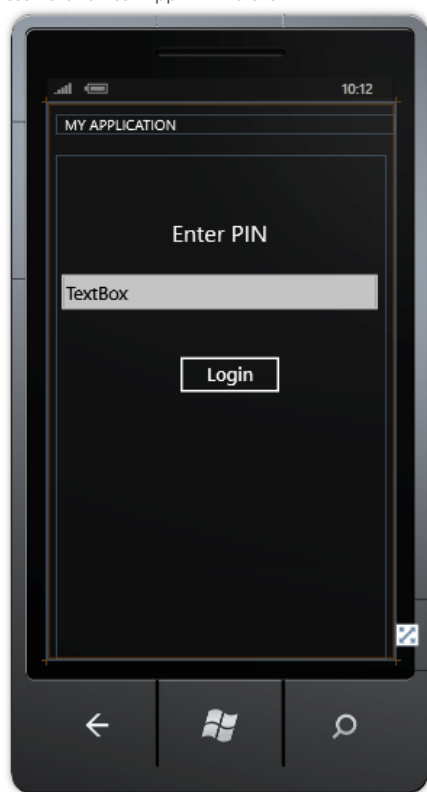


- Each control has corresponding class and a XAML tag
- Each control has a name
- Name property is used to access objects of the controls in the code
- Next step is to set name property of each object
- Set as follows
 - Select TextBox control
 - Right click on it and from menu select "Properties" (if properties window is not open)
 - Set "Name" property of TextBox to txtPIN
 - Select Button control
 - Set "Name" Property of Button to btnLogin

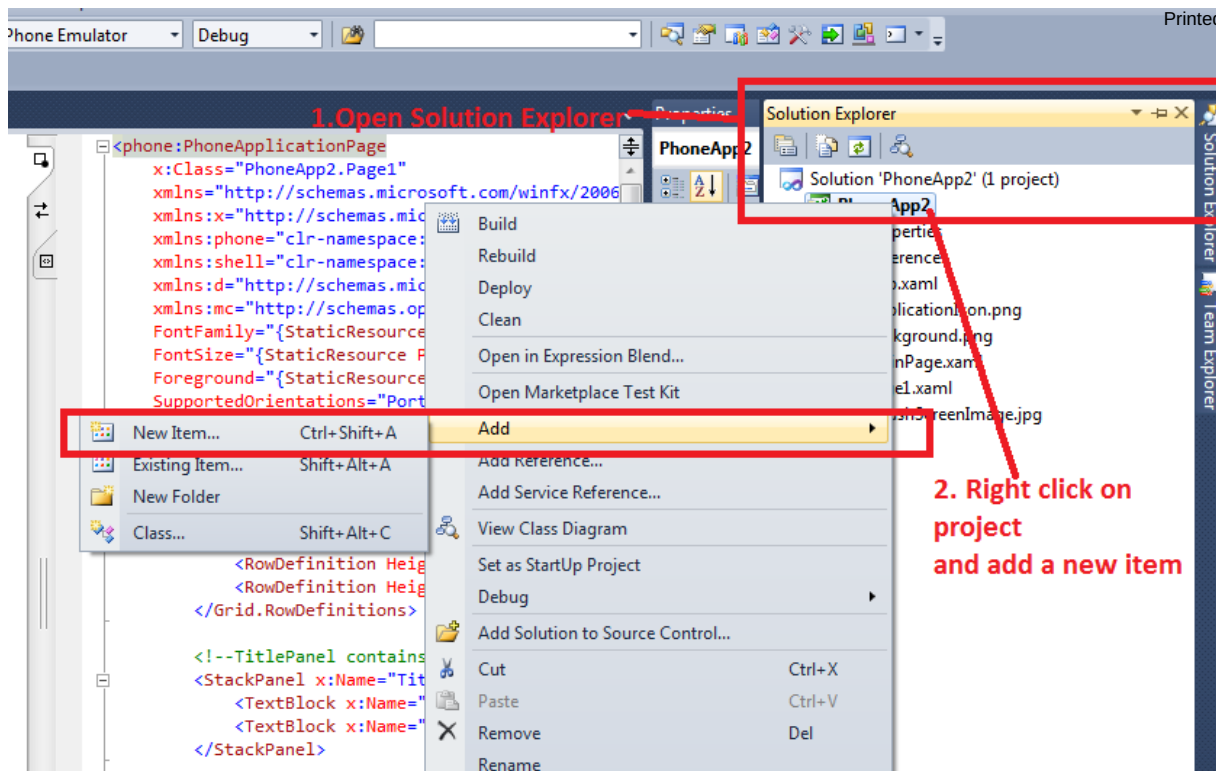
- Next, set titles of TextBlock and Button controls
 - Select TextBlock control
 - Change Text property to "Enter PIN"
 - Change FontSize property to 32
 - Select Button control
 - Change Content property to "Login"



- Final layout of controls on the page must look like the image
- Now press F5 and test App in Emulator



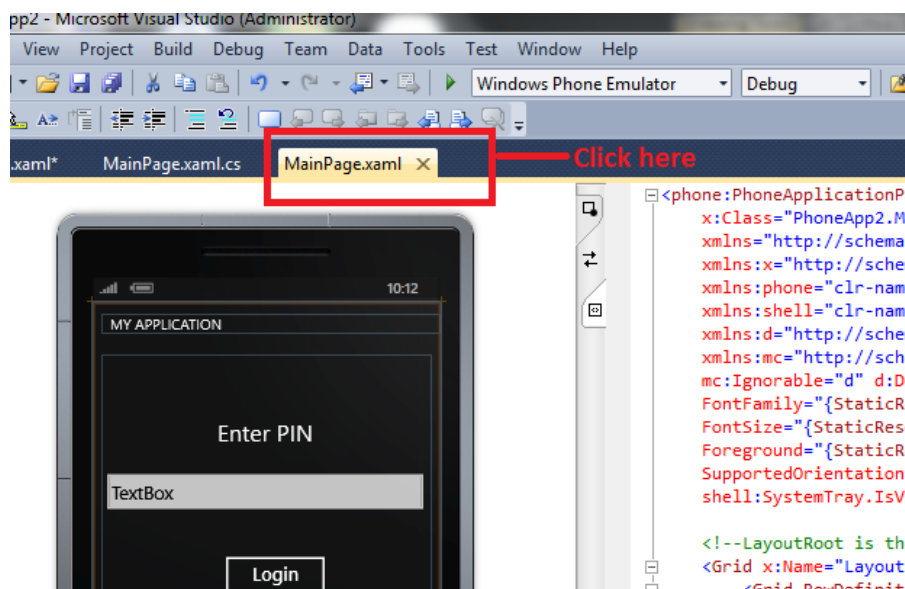
- Next, add a new page to project
- Go to Solution Explorer
- Right click on Project Name
- Click on add option from context menu and then New Item



- Select Windows Phone Portrait Page to add to the project
- You will have a new page in your project
- Link this page to the Button click event code of previous page
- Logic - If PIN entered is correct go to new page else show error
- Now, change the "Page Name " text of the TextBlock to "Profile"



- Now, switch to MainPage of your app, see screen shot



- Double click now on Button control to add Event Handler code
- Once user clicks on Button, app verifies PIN entered in TextBox
- If PIN is correct Navigate to second page
- Type the below given code in the handler function, press F5 to run it

```

namespace PhoneApp2
{
    public partial class MainPage : PhoneApplicationPage
    {
        // Constructor
        public MainPage()
        {
            InitializeComponent();
        }

        private void btnLogin_Click(object sender, RoutedEventArgs e)
        {
            if (txtPIN.Text == "1234")
            {
                NavigationService.Navigate(new Uri("/Page1.xaml", UriKind.Relative));
            }
            else
            {
                MessageBox.Show("You have enetered wong PIN !");
            }
        }
    }
}

```

Type this code

Summary

This tutorial walks you through all the steps for a complete example using Visual Studio.

