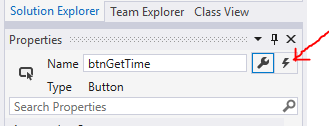
Programming with C#

# Events Practice

1. Start Visual Studio 2013 if it is not already running
2. Browse to the folder where you extracted the sample project and open the **EventsAndXAML** project.
3. In Solution Explorer, expand **EventsAndXAML** if it is not already expanded, and then double-click **MainWindow.xaml**.
4. Notice that the window includes a button. If you look in the XAML code you will notice it is named **btnGetTime** and a label named **lblShowTime**.
5. In the **Design** window, click the button to select it.
6. In the **Properties** window, ensure that **btnGetTime** is selected, and then click **Events**. The **Events** button is marked with a lightning button.  
     
   
7. Notice that the **Properties** window now displays a list of the events to which you can subscribe.
8. In the **Properties** window, double-click inside the **Click** text box.
9. Notice that Visual Studio creates an event handler method for you and switches to the code behind page.
10. In the **btnGetTime\_Click** method, add the following code:

lblShowTime.Content = DateTime.Now.ToLongTimeString();

1. In Solution Explorer, expand **MainWindow.xaml**, expand **MainWindow.xaml.cs**, and then double-click **MainWindow**.
2. Switch back to the **MainWindow.xaml** window.
3. In the **Button** element in the XAML code, note that the designer has added the following attribute:

Click="btnGetTime\_Click"

1. This attribute subscribes the **btnGetTime\_Click** method to the **Click** event.
2. In Solution Explorer, expand **obj**, expand **Debug**, and then double-click **MainWindow.g.i.cs**.
3. Near the bottom of the file, notice that Visual Studio has added the following line of code:

this.btnGetTime.Click += new System.Windows.RoutedEventHandler(this.btnGetTime\_Click);

1. This demonstrates that Visual Studio parses the XAML to create the code that subscribes your event handler method to the **Click** event of the button.
2. On the **File** menu, click **Close**.
3. On the **Debug** menu, click **Start Without Debugging**.
4. Click **What's the time?** button several times.
5. Notice that the label displays the current time.
6. Close the application, close the solution, and then close Visual Studio.