

How to: Create Event Handlers at Run Time for Windows Forms

.NET Framework 4.5 2 out of 9 rated this helpful

In addition to creating events using the Windows Forms Designer, you can also create an event handler at run time. This action allows you to connect event handlers based on conditions in code at run time as opposed to having them connected when the program initially starts.

To create an event handler at run time

1. Open the form in the Code Editor that you want to add an event handler to.
2. Add a method to your form with the method signature for the event that you want to handle.

For example, if you were handling the [Click](#) event of a [Button](#) control, you would create a method such as the following:

```
C#  
  
private void button1_Click(object sender, System.EventArgs e)  
{  
    // Add event handler code here.  
}
```

3. Add code to the event handler as appropriate to your application.
4. Determine which form or control you want to create an event handler for.
5. In a method within your form's class, add code that specifies the event handler to handle the event. For example, the following code specifies the event handler `button1_Click` handles the [Click](#) event of a [Button](#) control:

```
C#  
  
button1.Click += new EventHandler(button1_Click);
```

The [AddHandler](#) method demonstrated in the Visual Basic code above establishes a click event handler for the button.

See Also

Tasks

[Troubleshooting Inherited Event Handlers in Visual Basic](#)

Concepts

[Event Handlers Overview \(Windows Forms\)](#)

Other Resources

[Creating Event Handlers in Windows Forms](#)

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