.NET Framework Developer's Guide

**Postback Using Client-Side Script Sample**

The following sample creates a custom link button that initiates postback through client-side script (JScript, JavaScript). To build the sample, see the instructions in [Server Control Samples](http://msdn.microsoft.com/en-us/library/aa720607(VS.71).aspx).

For an example that is similar in this sample but derives from **WebControl** see [Rendering Server Control Samples](http://msdn.microsoft.com/en-us/library/aa338805(VS.71).aspx).

[C#]

[Copy Code](javascript:CopyCode('ctl00_MTCS_main_ctl03_code');" \o "Copy Code)

using System;

using System.Web.UI;

using System.Collections;

namespace CustomControls {

public class MyLinkButton: Control, IPostBackEventHandler{

// Defines the Click event.

//

public event EventHandler Click;

// Invokes delegates registered with the Click event.

//

protected virtual void OnClick(EventArgs e) {

if (Click != null) {

Click(this, e);

}

}

// Method of IPostBackEventHandler that raises change events.

//

public void RaisePostBackEvent(string eventArgument){

OnClick(new EventArgs());

}

protected override void Render(HtmlTextWriter output) {

output.Write("<a id=\"" + this.UniqueID + "\" href=\"javascript:" + Page.GetPostBackEventReference(this) +"\">");

output.Write(" " + this.UniqueID + "</a>");

}

}

}

[Visual Basic]

Option Explicit

Option Strict

Imports System

Imports System.Web.UI

Imports System.Collections

Namespace CustomControls

Public Class MyLinkButton

Inherits Control

Implements IPostBackEventHandler

' Defines the Click event.

'

Public Event Click As EventHandler

' Invokes delegates registered with the Click event.

'

Protected Overridable Sub OnClick(e As EventArgs)

RaiseEvent Click(Me, e)

End Sub

' Method of IPostBackEventHandler that raises change events.

'

Public Sub RaisePostBackEvent(eventArgument As String) Implements IPostBackEventHandler.RaisePostBackEvent

OnClick(New EventArgs())

End Sub

Protected Overrides Sub Render(output As HtmlTextWriter)

output.Write(("<a id=""" & Me.UniqueID & \_

""" href=""javascript:" & \_

Page.GetPostBackEventReference(Me) & """>"))

output.Write((" " & Me.UniqueID & "</a>"))

End Sub

End Class

End Namespace

**Using the Control on a Page**

The following ASP.NET page uses the custom link button created in the preceding sample.

[C#]

[Copy Code](javascript:CopyCode('ctl00_MTCS_main_ctl04_code');" \o "Copy Code)

<%@ Register TagPrefix="Custom" Namespace="CustomControls" Assembly = "CustomControls" %>

<script language="C#" runat=server>

private void Button\_Click(Object sender, EventArgs e) {

TextBox.BackColor = System.Drawing.Color.LightGreen;

TextBox.Text = "The link button caused postback.";

}

</script>

<html>

<body>

<form runat=server>

Here is the custom link button.<br>

<Custom:MyLinkButton Id = "Link" OnClick = "Button\_Click" runat=server/>

<br><br>

<asp:TextBox id = "TextBox" Text = "Click the link" Width = "200" BackColor = "Cyan" runat=server/>

<br>

</form>

</body>

</html>

[Visual Basic]

<%@ Register TagPrefix="Custom" Namespace="CustomControls" Assembly = "CustomControls" %>

<script language="VB" runat=server>

Private Sub Button\_Click(sender As Object, e As EventArgs)

TextBox.BackColor = System.Drawing.Color.LightGreen

TextBox.Text = "The link button caused postback."

End Sub

</script>

<html>

<body>

<form runat=server>

Here is the custom link button.<br>

<Custom:MyLinkButton Id = "Link" OnClick = "Button\_Click" runat=server/>

<br><br>

<asp:TextBox id = "TextBox" Text = "Click the link" Width = "200" BackColor = "Cyan" runat=server/>

<br>

</form>

</body>

</html>