Create Custom Error Page for SharePoint Event Receiver

Created by: Wael Mohamed Abdullah

Blog: http://waelmohamed.wordpress.com

LinkedIn: http://www.linkedin.com/profile/view?id=61463296

When a custom validation error occur in SharePoint event receiver from your code and you cancel the event , the user will see the error in an ugly .Net default error page !

So in these steps we will view a custom error page that contains a friendly error , our example is to validate the input data in "Title" column and view an error if the "Title" is not equal "Hello" 😃

Event Receiver Cancellation Implementation Steps

1-In your event receiver ItemAdding method create your validation condition that will return the error.

2-we will use "properties" collection if validation condition error true to cancel the event and redirect the user to custom page and send the error message to this page "see the code in image below"

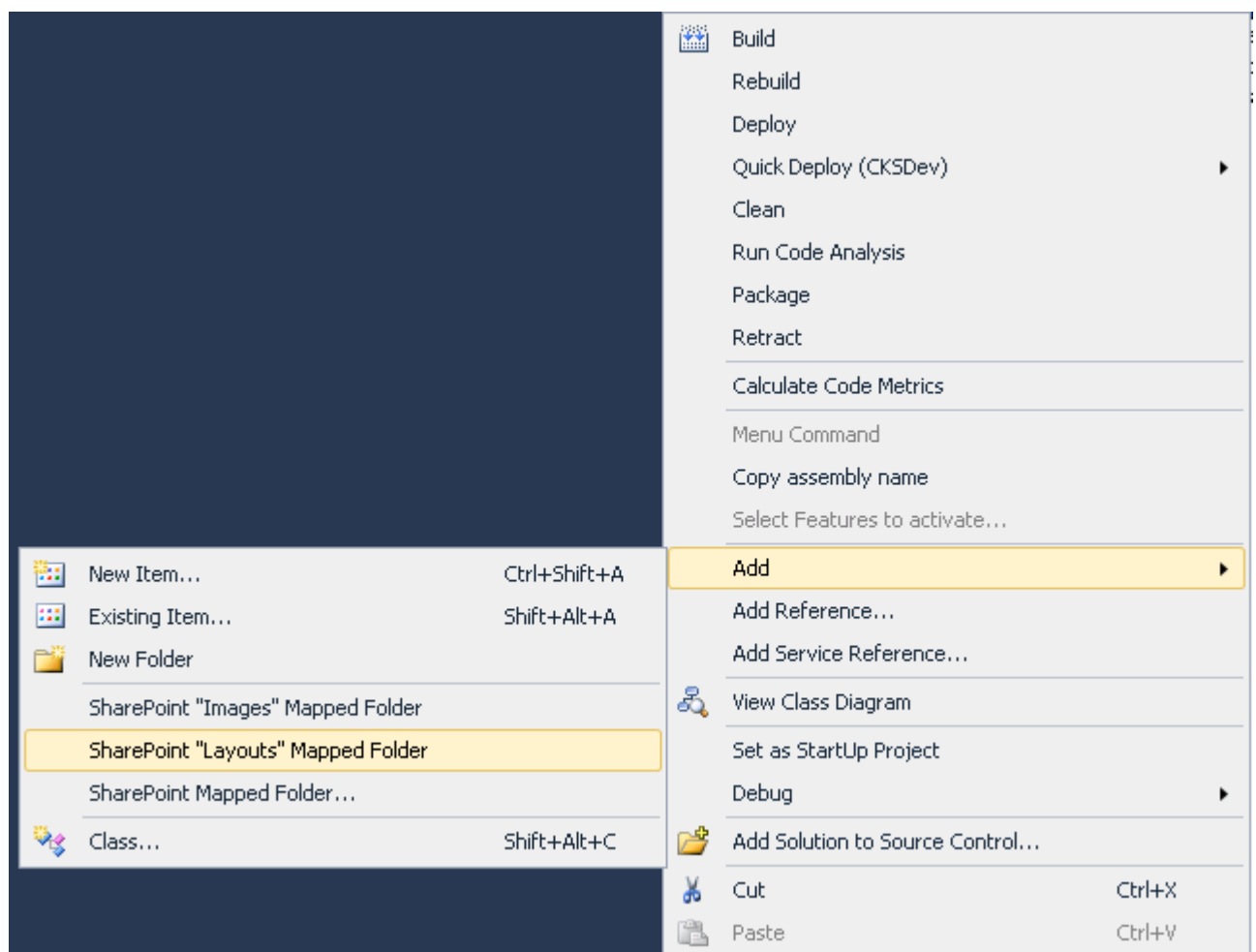```
8 namespace Testeventreciver.TestEventReciver
9 {
10   /// <summary>
11   /// List Item Events
12   /// </summary>
13   public class TestEventReciver : SPItemEventReceiver
14   {
15   /// <summary>
16   /// An item is being added.
17   /// </summary>
18   public override void ItemAdding(SPItemEventProperties properties)
19   {
20   if (properties.AfterProperties["Title"].ToString() != "Hello")
21   {
22   string error = "Error the title is not equal Hello !";
23   properties.ErrorMessage = error;
24   properties.Cancel = true;
25   properties.Status = SPEventReceiverStatus.CancelWithRedirectUrl;
26   properties.RedirectUrl = string.Format("{0}?error={1}", "/_Layouts/WaelTest/ErrorPage.aspx", error);
27   }
28   }
29   }
30 }
31
```

SharePoint Custom error Event receiver code

3-you will find the path to error page that the event will redirect the user to it for creating a custom error page follow the next part steps

# Creating the custom error page

1-From the Visual Studio right click on your project and add new mapped layout folder "see image below"



Add SharePoint mapped layout folder

2-Right click on the Layouts folder then add new application page from "SharePoint" tab in "New" windows "see the image below

Add SharePoint application page

3-The application page contains 4 content placeholder tags header , title , body , page title in title area , simply add a label on the body and go to the code behind of it and add code to print the message from the query string "see 2 images below"

```
1   <%@ Assembly Name="$SharePoint.Project.AssemblyFullName$" %>
2   <%@ Import Namespace="Microsoft.SharePoint.ApplicationPages" %>
3   <%@ Register TagPrefix="SharePoint" Namespace="Microsoft.SharePoint.WebControls"
4       Assembly="Microsoft.SharePoint, Version=14.0.0.0, Culture=neutral, PublicKeyToken=71e9bce111e9429c" %>
5   <%@ Register TagPrefix="Utilities" Namespace="Microsoft.SharePoint.Utilities" Assembly="Microsoft.SharePoint, Version=14.0.0.0, Cult
6   <%@ Register TagPrefix="asp" Namespace="System.Web.UI" Assembly="System.Web.Extensions, Version=3.5.0.0, Culture=neutral, PublicKeyT
7   <%@ Import Namespace="Microsoft.SharePoint" %>
8   <%@ Assembly Name="Microsoft.Web.CommandUI, Version=14.0.0.0, Culture=neutral, PublicKeyToken=71e9bce111e9429c" %>
9
10  <%@ Page Language="C#" AutoEventWireup="true" CodeBehind="ErrorPage.aspx.cs" Inherits="Testeventreciver.Layouts.WaelTest.ErrorPage"
11      DynamicMasterPageFile="~masterurl/default.master" %>
12
13  <asp:Content ID="PageHead" ContentPlaceHolderID="PlaceHolderAdditionalPageHead" runat="server">
14      <h2>
15            Data Validation Error
16      </h2>
17  </asp:Content>
18  <asp:Content ID="Main" ContentPlaceHolderID="PlaceHolderMain" runat="server">
19      <h3>
20          <asp:Label ID="lblMessage" runat="server" /></h3>
21      <br />
22      <br />
23  </asp:Content>
24  <asp:Content ID="PageTitle" ContentPlaceHolderID="PlaceHolderPageTitle" runat="server">
25      Validation Error
26  </asp:Content>
27  <asp:Content ID="PageTitleInTitleArea" ContentPlaceHolderID="PlaceHolderPageTitleInTitleArea"
28      runat="server">
29  </asp:Content>
30
```

SharePoint Custom Error Application Page HTML

```
 1  □using System;
 2   │using Microsoft.SharePoint;
 3   │using Microsoft.SharePoint.WebControls;
 4
 5  □namespace Testeventreciver.Layouts.WaelTest
 6   │{
 7  □    public partial class ErrorPage : LayoutsPageBase
 8   │    {
 9  □        protected void Page_Load(object sender, EventArgs e)
10            {
11                if (Request.QueryString["error"] != null)
12                {
13                    lblMessage.Text = Convert.ToString(Request.QueryString["error"]);
14                }
15            }
16        }
17   │}
```

SharePoint Custom Error Application Page Load Event Handler

4-Deploy your visual studio solution and try it , it will looks like that below image

SharePoint event receiver custom error page