**Configuring Exception Handling**

** Task 1: Edit Web.config for exception handling.**

1. In the Solution Explorer pane, under PhotoSharingApplication, click **Web.config**.

**Note:** Ensure that you click the Web.config file in the root folder, and not the Web.config file in the Views folder.

2. In the Web.config code window, locate the following code.

<system.web>

3. Place the mouse cursor at the end of the code, press Enter, and then type the following code.

<customErrors mode="On" defaultRedirect="Error">

</customErrors>

4. In the **<customErrors>** element, type the following code.

<error statusCode="500" redirect="~/Error.html"/>

5. In the Solution Explorer pane, right-click **PhotoSharingApplication**, point to **Add**, and then click

**New Item**.

6. In the navigation pane of the **Add New Item - PhotoSharingApplication** dialog box, under Visual

C#, click **Web**, and then, in the result pane, click **HTML Page**.

7. In the **Name** box, type **Error.html**, and then click **Add**.

8. In the **TITLE** element of the Error.html code window, type the following code.

Error

9. In the **BODY** element, type the following code.

<h1>500 Error</h1>

<p>There has been an internal server error</p>

** Task 2: Create a custom error view.**

1. In the Solution Explorer pane, collapse **Controllers**, collapse **Models**, and then expand **Views**.

2. In the Solution Explorer pane, under Views, right-click **Shared**, point to **Add**, and then click **View**.

3. In the **View name** box of the **Add View** dialog box, type **Error**.

4. In the **Add View** dialog box, ensure that the **Create a strongly-typed view** and the **Create as a**

**partial view** check boxes are clear.

5. In the **Add View** dialog box, clear the **Use a layout or master page** check box, and then click **Add**.

6. In the Error.cshtml code window, locate the following code.

<title>Error</title>

7. Replace the code with the following code.

<title>Custom Error</title>

8. In the Error.cshtml code window, place the mouse cursor at the beginning of the code window, press

Enter twice, and then type the following code.

@ModelType System.Web.Mvc.HandleErrorInfo

9. In the **DIV** element, type the following code.

<h1>MVC Error</h1>

10. Place the mouse cursor at the end of the **H1** element, press Enter, and then type the following code.

Controller: @model.ControllerName <br />

11. Place the mouse cursor at the end of the **<br />** tag corresponding to the **ControllerName** property,

press Enter, and then type the following code.

Action: @Model.ActionName <br />

12. Place the mouse cursor at the end of the **<br />** tag corresponding to the **ActionName** property,

press Enter, and then type the following code.

Message: @Model.Exception.Message

13. On the **FILE** menu of the **PhotoSharingApplication - Microsoft Visual Studio** window, click **Save**

**All**.

** Task 3: Configure errors in the PhotoController class.**

1. In the Solution Explorer pane, collapse **Views**, expand **Controllers**, and then click

**PhotoController.**

2. In the PhotoController.cs code window, locate the following code.

<ValueReporter>

public class PhotoController : Controller

3. In the PhotoController.cs code window, place the mouse cursor at the beginning of the

**[ValueReporter]** annotation, press Enter, and then type the following code.

<HandleError(View = "Error")>

4. In the **PhotoController** class code block, place the mouse cursor at the end of the **GetImage** action,

press Enter, and then type the following code.

Public function SlideShow() as ActionResult

5. In the **SlideShow** action code block, type the following code.

throw new NotImplementedException("The SlideShow action is not yet ready")

** Task 4: Raise errors.**

1. On the DEBUG menu of the PhotoSharingApplication –Microsoft Visual Studio window, click Start

Debugging.

2. On the Welcome to Adventure Works Photo Sharing page, click the **Display** link corresponding to

the **“Sample Photo 5”** image.

3. In the Address bar of the Windows Internet Explorer window, replace the URL **/Photo/Display/5** with

**/Photo/Display/malformedID**, and then click the **Go** button.

4. In the Windows Internet Explorer window, note that the custom error view displays the controller,

action, and error message.

5. In the Address bar of the Windows Internet Explorer window, replace the URL

**/Photo/Display/malformedID** with **/Photo/SlideShow**, and then click the **Go** button

6. The Microsoft Visual Studio application breaks on the **throw** statement.

7. In the **NotImplementedException** window, click the **Close** button.

8. In the lower-right part of the **PhotoSharingApplication (Debugging) - Microsoft Visual Studio**

window, click the **IntelliTrace** tab.

9. In the IntelliTrace pane, click the **ASP.NET: GET "/photo/slideshow"** message.

**Note:** Note the details of the HTTP call.

10. In the IntelliTrace pane, click the **Exception: Thrown: “The SlideShow action is not yet ready**”

**(System.NotImplementedException)** message.

**Note:** In the PhotoController.cs code window, note that the **SlideShow** action code block

is highlighted.

11. On the **DEBUG** menu of the **PhotoSharingApplication (Intelligence Debugging) - Microsoft**

**Visual Studio** window, click **Stop Debugging**.

12. In the **PhotoSharingApplication – Microsoft Visual Studio** window, click the **Close** button.

**Results**: After completing this exercise, you will be able to:

Configure a custom error handling strategy for an MVC application.