2.18 Custom Helper Methods



This section will guide you to:

* Create and implement helper methods

This guide has six subsections, namely:

2.18.1 Creating an ASP.NET MVC project

2.18.2 Creating an extension class CustomHelper.cs

2.18.3 Changing Index.cshtml to have an inline helper method

2.18.4 Building the project

2.18.5 Publishing and running the project

2.18.6 Pushing the code to your GitHub repositories

**Step 2.18.1:** Creating an ASP.NET MVC project

* Open Visual Studio.
* From the top menu, select **File->New->Project**.
* In **Create A New Project** screen, select **ASP.NET Core Web Application** from the list of available project types and click on **Next**.
* Enter **Project Name** as **Phase3Section2.36** and click on **Create**.
* From the list of project sub-types, choose **Web Application (Model-View-Controller)** and uncheck **Configure for HTTPS.** Click on **Create**.
* This will create the files for an ASP.NET MVC project.

**Step 2.18.2:** Creating an extension class CustomHelper.cs

* In **Solution Explorer**,expand **Views->Home**,right click **Home** and choose **Add->Class**.
* Enter **Class Name** as CustomHelper.cs and click **Add**.
* Enter the following code:

**using** System;

**using** System.Collections.Generic;

**using** System.Linq;

**using** System.Web;

**using** System.Web.Mvc;

**namespace** Phase3Section3.\_36.Views.Home

{

**public** **class** CustomHelper

{

**public** **static** IHtmlString File(**string** id)

{

TagBuilder tb = **new** TagBuilder("input");

tb.Attributes.Add("type", "file");

tb.Attributes.Add("id", id);

**return** **new** MvcHtmlString(tb.ToString());

}

}

}

**Step 2.18.3:** Changing Index.cshtml to have an inline helper method

* In **Solution Explorer**,expand **Views->Home** and double-click index.cshtml.
* Enter the following script:

@using Phase3Section3.\_36.Views.Home

@{

ViewBag.Title = "Home Page";

}

@helper Explanation(string text)

{

<**p** style="border:1px solid black; padding:5px; margin-top:5px;">

@text

</**p**>

}

<**div** class="container">

<**div** class="row">

<**div** class="col-sm-7">

<**h4**>Student Profile Form</**h4**>

<**div** class="row">

<**div** class="col-sm-4">

Name

</**div**>

<**div** class="col-sm-8">

<**input** class="form-control" name="name" />

</**div**>

</**div**>

<**div** class="row">

<**div** class="col-sm-4">

Email

</**div**>

<**div** class="col-sm-8">

<**input** class="form-control" name="email" />

</**div**>

</**div**>

<**div** class="row">

<**div** class="col-sm-4">

Address

</**div**>

<**div** class="col-sm-8">

<**input** class="form-control" name="address" />

</**div**>

</**div**>

<**div** class="row">

<**div** class="col-sm-4">

Class

</**div**>

<**div** class="col-sm-8">

<**input** class="form-control" name="sclass" />

</**div**>

</**div**>

<**div** class="row">

<**div** class="col-sm-4">

Photo

</**div**>

<**div** class="col-sm-8">

@CustomHelper.File("0")

</**div**>

</**div**>

<**div** class="row">

<**div** class="col-sm-12 text-right">

<**button** class="btn btn-default">Submit</**button**>

</**div**>

</**div**>

<**div** class="row">

<**div** class="col-sm-12">

@Explanation("Rainbox School is one of the best schools in the world and will continue to be so.")

</**div**>

</**div**>

</**div**>

</**div**>

</**div**>

**Step 2.18.4:** Building the project

* From the top menu, choose **Build->Build Solution**.
* If any compile errors are shown, fix them as required.

**Step 2.18.5:** Publishing and running the project

* From the top menu, select **Debug->Start Without Debugging**.
* This will execute the program in the default browser.
* To see the student pages, go to the url : http://localhost:xxxx/students.

**Step 2.18.6:** Pushing the code to your GitHub repositories

Open your command prompt and navigate to the folder where you have created your files.

cd <folder path>

Initialize your repository using the following command:

git init

Add all the files to your git repository using the following command:

git add .

Commit the changes using the following command:

git commit -m “Changes have been committed.”

Push the files to the folder you created initially using the following command:

git push -u origin master