3.4 WebForms Page Properties



This section will guide you to:

* Implement WebForm page properties

This guide has five subsections, namely:

3.4.1 Creating an ASP.NET MVC project to edit a Student profile

3.4.2 Changing Default.aspx to show the use of Page Properties

3.4.3 Building the project.

3.4.4 Publishing and running the project

3.4.5 Pushing the code to your GitHub repositories

**Step 3.4.1:** Creating an ASP.NET MVC project to edit a Student profile

* Open Visual Studio.
* From the top menu, select **File->New->Project**.
* In **Create A New Project** screen, select **ASP.NET Web Application(.Net Framework)** from the list of available project types and click on **Next.**
* Please select the project type where the **language** of the project is **C#.**
* Enter **Project Name** as **Phase3Section3.10** and click on **Create**.
* From the list of project sub-types, choose **Web Forms** and uncheck **Configure for HTTPS.** Click on **Create**.
* This will create the files for an ASP.NET MVC project.

**Step 3.4.2:** Changing Default.aspx to show the use of Page Properties

* In the **Solution Explorer**,double click Default.aspx.
* Enter the following script:

<%@ Page Title="Home Page" Language="C#" MasterPageFile="~/Site.Master" AutoEventWireup="true" CodeBehind="Default.aspx.cs" Inherits="Phase3Section3.\_10.\_Default" %>

<asp:Content ID="BodyContent" ContentPlaceHolderID="MainContent" runat="server">

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

<**br** />

<**h4**>Add Student Profile</**h4**>

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

<**div** class="col-sm-6">

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

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

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

<asp:TextBox ID="txtname" CssClass="form-control" MaxLength="100" runat="server"></asp:TextBox>

</**div**>

</**div**>

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

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

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

<asp:TextBox ID="txtAddress" CssClass="form-control" MaxLength="100" runat="server"></asp:TextBox>

</**div**>

</**div**>

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

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

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

<asp:TextBox ID="txtClass" CssClass="form-control" MaxLength="3" runat="server"></asp:TextBox>

</**div**>

</**div**>

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

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

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

<asp:TextBox ID="txtEmail" CssClass="form-control" type="email" MaxLength="100" runat="server"></asp:TextBox>

</**div**>

</**div**>

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

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

<asp:**Button** ID="btnSubmit" runat="server" Text="Submit" CssClass="btn btn-default" OnClick="btnSubmit\_Click" />

</**div**>

</**div**>

</**div**> <!--col-sm-6-->

</**div**>

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

<**div** class="col-sm-6">

<asp:**Label** ID="lblCount" runat="server"></asp:**Label**><**br** /><**br** />

<asp:**Label** ID="lblLog" runat="server"></asp:**Label**><**br** />

</**div**>

</**div**> <!--row-->

</**div**>

</asp:Content>

* In the **Solution Explorer**,right-click Default.aspx and select **View Code**.
* Add the following code:

**using** System;

**using** System.Collections.Generic;

**using** System.Linq;

**using** System.Web;

**using** System.Web.UI;

**using** System.Web.UI.WebControls;

**namespace** Phase3Section3.\_10

{

**public** partial **class** \_Default : Page

{

**protected** **void** Page\_Load(**object** sender, EventArgs e)

{

**if** (Application["submits"] == **null**) {

Application["submits"] = 0;

}

**if** (Page.IsPostBack)

{

**string** capture = "Name=" + txtname.Text + "<Br>Address=" + txtAddress.Text + "<Br>Class=" + txtClass.Text +

"<br>Email=" + txtEmail.Text + "<hr>";

lblLog.Text += capture;

} **else**

{

**if** (Request.QueryString["name"] != **null**)

{

txtname.Text = Request.QueryString["name"];

Response.Write("Querystring received");

}

}

}

**protected** **void** btnSubmit\_Click(**object** sender, EventArgs e)

{

**int** submits = (**int**)Application["submits"];

submits++;

Application["submits"] = submits;

lblCount.Text = submits.ToString() + " submits done";

}

}

}

**Step 3.4.3:** Building the project

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

**Step 3.4.4:** Publishing and running the project

* From the top menu, select **Debug->Start Without Debugging**.
* This will execute the program in the default browser.

**Step 3.4.5:** 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