3.6 WebForms with Tracing



This section will guide you to:

* Implement tracing to debug the application

This guide has five subsections, namely:

3.6.1 Creating an ASP.NET MVC project to add a student profile

3.6.2 Changing Default.aspx to show the use of tracing for debugging

3.6.3 Building the project

3.6.4 Publishing and running the project

3.6.5 Pushing the code to your GitHub repositories

**Step 3.6.1:** Creating an ASP.NET MVC project to add 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 **Phase3Section3.13** 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 3.6.2:** Changing Default.aspx to show the use of tracing for debugging

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

<%@ Page Title="Home Page" Language="C#" MasterPageFile="~/Site.Master" AutoEventWireup="true" Trace="true" CodeBehind="Default.aspx.cs" Inherits="Phase3Section3.\_13.\_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-4">Name</**div**>

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

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

</**div**>

</**div**>

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

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

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

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

</**div**>

</**div**>

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

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

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

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

</**div**>

</**div**>

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

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

<asp:**Button** runat="server" Text="Submit" />

</**div**>

</**div**>

</**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.\_13

{

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

{

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

{

}

}

}

**Step 3.6.3:** Building the project

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

**Step 3.6.4:** Publishing and running the project

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

**Step 3.6.5:** 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