2.20 Security Applications



This section will guide you to:

* Add security to the MVC application

This guide has four subsections, namely:

2.20.1 Creating an ASP.NET MVC project to demonstrate built-in user authentication

2.20.2 Building the project

2.20.3 Publishing and running the project

2.20.4 Pushing the code to your GitHub repositories

**Step 2.20.1:** Creating an ASP.NET MVC project to demonstrate built-in user authentication

* 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 **Phase3Section2.40** and click on **Create**.
* From the list of project sub-types, choose **Web Application (Model-View-Controller)** and uncheck **Configure for HTTPS**.
* Click on **Change Authentication** and from the authentication types choose **Individual User Accounts**.
* Click on **Create**.
* This will create the files for an ASP.NET MVC project with built-in User Authentication.

**Step 2.20.2:** Building the project

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

**Step 2.20.3:** Publishing and running the project

* From the top menu, select **Debug->Start Without Debugging**.
* This will execute the program in the default browser.
* In the homepage, click on the **Register** Link at the top right.
* Fill in the registration form and click **Register**.
* It will initially show an exception. Click on the **Apply Migration** button.
* Refresh the page. You should be logged in now.
* Clicking on your email id at the top will open a dashboard page, which lets you configure settings and change your data.

**Step 2.20.4:** 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