

IN VISUAL STUDIO WITH SOURCE CONTROL

Setting Up Source Control

1. Open Visual Studio 2017
2. Open the Team Explorer (View > Team Explorer).
3. Click create under the Github section.
4. Type in the name of your repository, (optional) add a brief description of the project, update the local path (note a folder with the name of the repo will be created for you), select VisualStudio for the Git ignore, select None for License, and check the box beside private repository unless want to create a public repository. Click create.

Adding the Solution and the Project

1. Open the Team Explorer (View > Team Explorer or tab along the right-hand side of the screen).
2. Under the Solutions heading, click New.
3. Expand the Other Project Types section along the left-hand side and then click Visual Studio Solutions.
4. Click **Blank Solution**.
5. Naming and Saving your new Solution:
 - a. In the Name textbox, enter the name for your solution. It should be the same as the name of your repository.
 - b. In the Location textbox, ensure that the file path is being directed toward the repository folder that was created above.
 - c. In the Solution dropdown, select Create new solution.
 - d. Uncheck Create directory for solution.
 - e. Uncheck Create new Git repository
6. Click Ok to create the solution.
7. Open the Solution Explorer (View > Solution Explorer or tab along the right-hand side of the screen).
8. Right click on the solution and select Add > New Project.
9. Select **ASP.NET Web Application (.NET Framework)** as the project type.
10. Naming and Saving your New Project:
 - a. In the Project textbox enter your project name and extensions.
 - i. For Example: **MyProject.UI.MVC**
 - b. Browse to the proper file location.
 - i. Ensure that you are selecting the folder that was created when you setup the repo.
 - c. Framework should be left as .NET Framework 4.6.1
 - d. Click OK

11. Select the MVC template and change Authentication to be Individual User Accounts. Click ok to create the project.
12. Open the Team Explorer again and click on Changes. You should see a long list of changes that reflect the web application project you just added.
13. Type in a commit message into the yellow textbox and then click Commit All.
14. Click the Home icon at the top of the Team Explorer and then click on Branches.
15. Right click on the master branch (it should be bold) and then select push. Once that is complete, you should be able to see all of the project files in the repository on Github.

Adding Identity Framework (Membership/Security)

1. Open the Team Explorer (View > Team Explorer or tab along the right-hand side of the screen). If necessary, click on the Home icon at the top of the Team Explorer to see the project Git operation options.
2. Click on the Branches and then click on New Branch.
3. Name your branch IdentitySamples, ensure master is in the second textbox, and that Checkout branch is checked. Click Create Branch.
4. Access the **Nuget Package Manager Console** (Tools→Nuget Package Manager→Package Manager Console).
5. At the **PM prompt in the console window** that opens enter the following code:

Install-Package Microsoft.AspNet.Identity.Samples -Pre
6. Press **Enter** to run the code.
7. When Prompted Select **A** to replace all files.
 - a. If you get a popup that says changes have occurred outside of the editor, select the **Yes To All** option.
8. Once the code has executed **Rename all instances of IdentitySample:**
 - a. Open the Home Controller.
 - b. Double Click IdentitySample in the Namespace.
 - c. Ctrl + F (to open the find dialog and populate with IdentitySample)
 - d. Change the drop down list at the bottom to reflect **Current Project**.
 - e. Click the v (carrot) to the left of the find box.
 - f. That will open the Replace textbox and use your Project Name for the replace value.
 - i. For Example: **MyProject.UI.MVC**
 - g. Select **Replace All**.
 - i. Select **Yes** in the popup dialog box.
 - ii. Click **ok** in the confirmation (usually 46 replacements made).
 - iii. Close the **Find** dialog.
9. You can proceed to the **web.config (ROOT):**
 - a. **Ctrl + k + d**
 - b. Comment everything out **between** the <connestionStrings> elements, leave the opening and closing for <connectionStrings>
10. Open Team Explorer and click the Home icon at the top.
11. Click on Changes. You should see a list of changes that reflects the files updated when adding Identity Samples.

12. Enter a commit message in the yellow textbox and then click Commit All.
13. Click the Home icon again and then select Branches. Double click on the Master branch to make it the active branch (it will become bold).
14. Click on Merge. Select IdentitySamples as the Merge from branch and leave master selected under Into current branch. Leave Commit changes after merging checked and click Merge.
15. Right click on the Master branch and select push. After that is complete, you should see the updates reflected in the repo on Github.
16. Proceed to Converting a Template Quick Guide, creating branches for each large chunk of the process.
 - a. **IMPORTANT NOTE:** If you create a branch, you must merge it back into Master and then push the updated version Master to the remote repository. If you skip this step, all of your code will not exist together in the same branch.