

Lab 3 – Unit Testing and Publishing to Azure

CS296N, Web Development 2: ASP.NET

Objectives

Learn to Add an xUnit project to your web app solution and write tests for models and controllers. You will also publish your web app to Azure

Part 1: Ch. 7 Exercise

- Download the Ch. 6 Exercise from the publisher's Git repository:
<https://github.com/apress/pro-asp.net-core-mvc>
- Follow the steps in Ch. 7 to add a unit test project. Just do the first part, through "Running Tests with the Test Explorer". Stop at page 170.

Part 2: Add Unit Testing to Your Community Web Site

- Add an empty library project to the Visual Studio Solution for your Community Web Site. Add xUnit to the project and configure the project as a unit test project.
- Create a test class for testing your models and add at least four tests to the class

Part 3: Publish to Azure

- Create a Web Site on Azure
- Publish your site to Azure

Submission to Moodle

Beta Version

Post the following to the Code Review Forum:

1. A document containing screen-shots of the unit test project from Ch. 7 of the textbook. Show the tests first failing, then passing. (Please use .docx or .pdf format)
2. A zip file containing your web app's Visual Studio solution folder.
Or, a link to a repository containing your web site solution source code. You can put the link on the same document with the report on your tutorial exercise.
3. The URL of your web site on Azure
4. A code review of your lab partner's work. (You do this after your lab partner submits items 1 and 2 and you review them.)

Production Version

1. Items 1 – 3 above, but revised as needed.

The code review of your work (the one done by your lab partner) with the second column ("Production") filled out to show what you revised.