

Lab 2, Group B – Controllers and Actions

CS296N, Web Development 2: ASP.NET

Objectives

The purpose of this lab is to help you learn to:

- Create a Domain Model
- Create real and fake repositories
- Write controller methods that use the repositories
- Write Unit tests to test the controller methods

Part 1: Chapter 7 Exercise

Do the exercise in Freeman, *Pro ASP.NET Core 2*, chapter 7 through page 185 (stop before the section on Moq).

Part 2: Fan Web Site

You will be adding capability to the Story page so that Fans can post stories. At this point, stories will just be stored in memory, not in a database. Here is what you need to add:

- A domain model with separate classes for Story and Fan
 - Choose properties for each model class that make sense
 - Each class should have at least two properties
- A Story repository which means you will need:
 - An interface
 - A real repository that can hold stories entered by fans
 - A fake repository that contains hard-coded stories for testing
- A new view that displays all the stories that have been sent.
- Modify the Story controller to add any new methods needed and to use the Story repository.
- Unit tests for the methods in the Story controller. The tests should use the fake Story repository

Submission to Moodle

Beta Version

Upload the following to the Code Review Forum:

1. A document containing screen-shots of the web app in exercise running in your browser. (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. 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 and 2 above, but revised as needed.
2. The code review of your work (the one done by your lab partner) with the second column ("Production") completed by you.