**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.