Lab 3 – Tag Helpers, Model Binding and Unit Testing, Group A

CS295N, Web Development 1: ASP.NET

Objectives

Gain experience:

- Using Tag Helpers   (use at least 2 kinds)
- Using Model binding
- Using Unit tests   (write at least 3 tests)

Rock, Paper, Scissors Game

Write a web app for playing the Rock, Paper, Scissors game against the computer:

- The user will enter their name
- The user will use a drop-down list to choose one of: Rock, Paper, or Scissors
- The app will randomly choose one of the three after the user chooses
- Images will show the user and computer choices
- The app will declare a winner by name or a tie
- There will be a link or button to start another game
- The page will display the number of wins and losses for player and machine

Alternative App

Propose a different web app (instead of Rock, Paper, Scissors) that gives you practice with the same four techniques. Send a message to your instructor with your proposal, and if it's approved, create the alternate app.

Submission to Moodle

Beta Version

Upload the following to the Code Review Forum:

1. 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 exercise from part 1.
2. A code review of your lab partner's work. (You do this after your lab partner submits item 1 and you have reviewed it.)

Production Version

1. Item 1 as above but revised as needed.
2. Item 2 above.
3. The code review of your work (the one done by your lab partner) with the second column ("Production") completed by you.