

## CS480 Software Engineering Assignment 6 - Unit Test

### **Due Date**

Sunday, February 15, 2015

### **Score**

5

### **Questions and Directions**

***This is an individual assignment.***

In this assignment, you will be exercising JUnit for your team project.

Please write ONE JUnit test class in `src/test/java` project folder to test any of your classes or methods (one test class for one method would be enough, but it is strongly recommended that you try more).

Make sure you have the right dependencies in your `pom.xml`:  
for jUnit:

```
<dependency>
  <groupId>junit</groupId>
  <artifactId>junit</artifactId>
  <version>4.12</version>
  <scope>test</scope>
</dependency>
```

You need to design strong and effective test cases. We do not require any of the coverage criteria (e.g., statement coverage, branch coverage). However, try to make your tests reasonable and effective in verifying errors or bugs.

You should also try to use Cobertura to check the code coverage of your tests. You can follow the tutorial at: <http://www.mkyong.com/qa/maven-cobertura-code-coverage-example/> to learn how to use the tool.

You should be able to run all the tests in both Eclipse and Maven command line. I will be running `mvn package` to check the status of your unit tests.

*“Software testers do not make software; they only make them better.”*