This is the fifth of five assignments that you will complete over the course of the semester:

1: Requirements Draft (10% of homework grade)

2: Final Requirements and Requirement-Based Tests (25%)

3: Design Draft (15%)

4: Final Design and Implementation (25%)

**5: Testing (25%)**

Each assignment is graded over a series of categories. You will be judged on a scale of 1-4 for each criterion, where a 1 corresponds to a 60%, a 2 corresponds to 75%, a 3 corresponds to 90%, and a 4 corresponds to 100%. If there is no work for a criterion or it is clear that even a minimal amount of effort was not put in, you will receive a 0% for that section of the assignment.

The following is a tentative idea of what we are looking for in Assignment 5. This may change before final grading, but gives criteria to aim for with your submission. A “4” in a category requires all requested elements to be present. Missing elements will result in a lower grade.

**Code Style (20%):**

Based on a random sampling of the test code, we are looking at:

● Consistent bracketing and tab/spacing style

● Descriptive variable, method, and class names

● JavaDocs present and used correctly

● Sufficient comments to understand code

Missing any one results in -­1 to score for that section.

**Test Cases (60%):**

* Major system functionality tested
* Both “happy path” and error cases tested
* Test I/O sufficiently detailed
* Success/failure conditions well-defined
* Pre/post conditions well-defined (proper use of initialization and tear down)
* At least 80% code coverage achieved on all classes.

**Reports (20%):**

* Test execution report included and complete.
* Report notes why any tests failed and what code changes are needed to result in a pass verdict.
* Code coverage report included and complete.