

## **CSE542 - Software Engineering Concepts Grade Sheet – Testing**

### **Unit Testing/30**

Write JUnit tests using the following techniques (at least 1 of each). To receive credit, you must identify which test uses each technique:

Simple loop test/5

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Boundary analysis/5

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Bad-data/5

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Good-data/5

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Write JUnit tests for an important method which includes at least one loop or branch that will provide All-Branches coverage. Since the method will not yet exist, you will need to provide the method algorithm and explain why your tests will provide all-branch coverage.

All-Branch coverage/10

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### **Integration Tests (pulling together several classes)/30**

two (2) scripted tests derived from user stories or use-case/2 \* 15 \_\_\_\_\_

### **Validation Tests (show the completed system works)/30**

two (2) scripted tests derived from user stories or use-case/2 \* 15 \_\_\_\_\_

### **Misc/10**

Professional appearance/10

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(no typos, spelling errors, etc.)

**Integration/Validation Test Script:**

**Purpose:**

**Method(s) used in this test:**

**Step-by-step directions to perform this test:**

**Step-by-step expected results:** (You MUST have specific expected results listed here)

**Actual results:** (To be filled out once the project is completed)