A04 Grading Criteria

Good test case design 40%

1. Use of 5321 test case design principles
   1. Testing BVs properly
   2. MCDC for logical expressions
   3. Well organized JUnit test cases
   4. Testing one input at a time
   5. Doesn’t use useless test cases (value of 8 for 4 <= username.length <=20)

JaCoCo coverage 20 %

1. All code covered
2. Redundant statements should be deleted
3. Timestamps check okay

PIT coverage 30%

1. Achieved 100% coverage or explained - see exception list on Canvas
2. Redundant statements deleted – e.g. Strings set to “”
3. All mutators used
4. Timestamps check okay

Design pattern properly used 5%

Documentation/test report 5%

1. Analysis spreadsheet correct
   1. not missing files or including test files
   2. data corresponds to JaCoCo and PIT coverage metric
2. Test report correct
   1. data corresponds to JaCoCo and PIT coverage metrics