

- 1.) My testing approach is to use black box testing via the JUNIT 4 test harness. Multiple test using assert cases will be written to test the eight methods from the three different classes, class Door: enter, class Player: go, pickUp, drop, class Room: addItem, removeItem, enter, exit. JaCoCoverage plugin for Netbeans IDE will be used to test code coverage.
- 2.) 8 test ran in black box category.
- 3.) 83% coverage achieved for class Door method enter. One branch in method only partially covered, could not access else if branch.

100% coverage achieved for class Player methods go, and pickUp.
89% coverage achieved for drop. No default case in switch statement so branch cannot be reached.

100% coverage achieved for class Room methods addItem, removeItem, enter, and exit.
- 4.) No failures were produced during testing. Hard to make arraylist operations fail since if nothing is actually being added it doesn't do anything and same for remove.
- 5.) As a side note Upulee said it was ok for my coverage files to be in pdf format as I am not using Eclipse.