**Blackjack Simulator Game Report**

How to install and run (Windows operating systems):

- Download all files from this repository and extract them into a folder on your computer so that they are not zipped or compressed

- Open command prompt

- Change directory to the folder you just created (command to change directory is

cd folder-path

- run the command java Blackjack.java to start the program

- Follow the prompts to enter which values you would like to simulate for

- To view the results in Excel

After running a successful simulation, the final bank values of every run will be saved into the output.csv file within the same folder, this file will contain one sim per row, with each column stepping back 1 game starting from the final result

Correctness tests

The majority of automated tests are testing for program correctness. A test failure on these tests implies that program behaviour is not as expected by the tests.

Running tests from within Eclipse

Correctness tests can be run from within the Eclipse IDE using a "JUnit Plug-in Test" launch configuration:

1. In the Package Explorer, select the test or test suite you want to run. Each test package typically contains a TestSuite class that contains all the tests in that package. Suites from multiple packages are then aggregated into higher level suites. Here are some useful suites to know about:
   * org.eclipse.ui.tests.UiTestSuite - runs all UI tests
   * org.eclipse.core.tests.runtime.AutomatedTests - runs all runtime tests
   * org.eclipse.core.tests.resources.AutomatedTests - runs all resource tests
2. Select Run > Run...
3. Choose the "JUnit Plug-in Test" category, and click the button to create a new test
4. On the "Main" tab, select the appropriate application for that test. Here are some important applications to know about:
   * [No Application] - Headless Mode - for running headless core (runtime, osgi, resource) tests
   * org.eclipse.ui.ide.workbench - for running UI tests
5. Click Run.