Benjamin Green
Data Structures and Algorithm II
Project 2
User's Manual

Setup and Compilation
1. Download and unzip canvas submission
2. The submission will include
    - analytical-model.hpp & .cpp
    - customer.hpp & .cpp
    - FIFO.hpp & .cpp
    - Poisson-random-generator.hpp & .cpp
    - pq.hpp & .cpp
    - test1.txt
    - test2.txt
    - UMLproj2.pdf (UML)
    - main.cpp
    - Makefile
    - User's Manual.pdf
    - test folder
        i. analytical-model-test1.cpp
        ii. customer-test1.cpp
        iii. fifo-test1.cpp
        iv. pq-test1.cpp
        v. Random-arrival-time-test1.cpp

3. Environment: This program has been tested in the multiplatform lab and can run there.

4. Compiling: This program includes a Makefile.
    - run tests
        i. `make run-test`
    - run main
        i. `make run-main`
    - clean directory
        i. `make clean`

5. **Running the program:** Make sure -test1 files are in the *test folder*. Other *hpp*, *cpp,* and *txt* files should be in the outside of the *test folder*. No user interaction.

6. **Output**: All outputs are displayed in the console. Similar, but not exactly to this:

```
sim1
Model results:
X: 1.0
Y: 2.0
Z: 3.0

Simulator results:
X: 1.0
Y: 2.0
Z: 3.0

sim2
Model results:
X: 1.0
Y: 2.0
Z: 3.0

Simulator results:
X: 1.0
Y: 2.0
Z: 3.0
```

P.S. Tried my best! If you could, please let me know any improvements that are needed/recommended! Thanks