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Project 2 Queue Simulation

DSII

User’s Manual

Before attempting to compile and run this program, ensure that all source code files are located in the same directory. Also, there must be a text document called “runSimulation.txt” that the program will read from. This text file will contain the parameters: lambda, mu, M, n, in that order. Note that M is the total number of servers and n is the number of customers to be simulated.

An example of “runSimulation.txt” has been provided to demonstrate proper formatting.

To compile and run:

1. Type ‘make’ on the command line.
2. Type ‘./main’ to run the program.

This program will run an event-driven simulation where ‘n’ customers are processed. The output of the program will be a table showing the analytical model of the simulation based on the parameters lamba, mu, and M. Next to the analytical model will be the results of the simulation showing what the simulation actually produced.