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**Data Structures & Algorithms 2**

**Project 2**

**User’s Manual**

**Setup & Compilation**

1. Download and unzip the submission from eLearning on a Linux box in the mutli-platform lab.
2. The submission includes:
   1. main.c
   2. makefile
   3. queue.c
   4. queue.h
   5. simulation.c
   6. simulation.h
   7. FunctionalDecomposition.txt
   8. UsersManual.docx (this file)
3. Environment: This program has been tested in the multi-platform lab and will run there.
4. Compiling: This program includes a makefile. At the command line in Linux, type make. The program produces an executable entitled proj2

**Running the program**

Issue the command ./proj2. No command line arguments are required or checked

**User Input**

Program requires various simulation parameters. User is prompted for these at the beginning of program execution.

**Output**

All output goes to the console. Output will be similar to this:

n: number of arrivals to simulate = 2

lambda: average arrivals in a time period = 2

mu: average number served in a time period = 2

m: number of service channels = 2

Po =

L =

W =

Lq =

Wq =