

**CMPE 322**

**Operating Systems**

**Flight Reservation System  
Simulator Project**

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## How to Compile and Run

Compile the project just by putting the `main.cpp` and `makefile` into the same directory and type “*make*” at the command line. An executable file named “`outmain`” will be created. Then run it by typing “`./outmain 'an integer between 50 and 100'`” . Also you can compile it by typing “`g++ -pthread main.cpp -o outmain`” .

## Design

I tried to implement the project as efficient as possible and also tried to prevent some errors which can occur if wrong inputs are given from command line and so on. Also, I implemented it according to the thread logic. Lastly, I used mutex to prevent more than one thread to enter the critical section.