

Assignment 4

EEL4732/5733 Advanced Systems Programming

Due: Saturday, March 16th by midnight

In this assignment, you are going to implement the Location Updater program (from Assignment 2) using multiple processes. As in Assignment 2, you will be using shared memory and synchronization primitives (mutexes and condition variables or semaphores). However, in this assignment you need to use the **mmap** system call to set up the shared memory region. *We require that you use anonymous mapping (no backing file).* Also, you need to initialize the synchronization primitives to be process shared. The command line parameters and the expected output will be the same as in Assignment 2. Your solution must be free of data races and deadlocks.

Please submit your solution including a Readme and a Makefile on CANVAS by the due date.