

Assignment 4

EEL4732/5733 Advanced Systems Programming

Due: Saturday, March 17th by midnight

In this assignment, you are going to implement the Combiner program (from Assignment 2&3) using multiple processes. As in Assignment 2&3, you will be using shared memory and synchronization primitives (mutexes, condition variables, or semaphores). However, in this assignment you need to use the **mmap** system call to set up the shared 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&3. 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.