COMP 7500/7506 Advanced Operating Systems
Project 3: AUbatch - A *Pthread*-based Batch Scheduling System

Frequently Asked Questions

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1. Should we use fork() or pthread_create() to create two threads?

Answer: Please use pthread_create() to create two threads (i.e., the scheduler and disptacher). Please check the sample code here:
http://timmurphy.org/2010/05/04/pthreads-in-c-a-minimal-working-example

2. Are we executing actual programs (e.g., hello_world) or simulating them?

Answer: You must actually execute the programs (a.k.a., benchmarks).

3. Do we ignore the actual execution time and use the execution time given by the run command?

Answer: The execution times should be measured on the fly based on actual execution times rather than the estimated ones submitted by users.

4. If you add a job with a higher priority and change the policy to priority, the running job will still remain the same, right?

Answer: Once your change your policy, all the jobs waiting in the queue must be rescheduled based on the new policy. The only job that should be affected by the new policy is the current running job (i.e., the one sitting in the head of the job queue).