

CSSE 332 – Operating Systems
Rose-Hulman Institute of Technology
Computer Science and Software Engineering Department

Exam 1 — Computer Part

Name: _____ Section: _____ CM: _____

Instructions: This part of the exam is open book, open notes, and open computer.

- You must disable all chat tools (IM, ICQ, IRC, Lync, etc.) before the exam starts.
- **Any communication with anyone other than an exam proctor during the exam could result in a failing grade for the course.**
- You may refer to programs you have written for the course—both those assigned and those you have written for practice. You may not, however, refer to programs written by others except those provided in your textbook or by the course staff.
- Regarding materials on the web, you may only use the course web site and pages linked directly from it. Of course, search engine use is not allowed.
- Write all answers on these pages.
- Submit all code and support files to your individual repository.
- This code will not be graded based on conforming to the linter or other style concerns.
- Read the entire examination before starting, then budget your time.

Do a git pull in your repo to get the latest code.

Problem 1 Fork, Exec, and Signals - server-admin

Look inside web-server.c for instructions.

- (a) Part 1 (10 Points)
- (b) Part 2 (10 Points)
- (c) Part 3 (10 Points)

Problem 2 Pthreads and Basic semaphores - producer-consumer

Look inside producer-consumer.c for instructions.

- (a) Part 1 (15 Points)
- (b) Part 2 (15 Points)

Problem 3 Makefile (5 points)

Look inside makefileInstructions.txt for instructions.

Have you committed your files and changes to SVN or pushed your files to Git?

Turn in these instructions to your exam proctor.