CS355 Lab Notes #3 Shell design

Study the following system calls:

- `sigaction()`
- `sigprocmask()`
- `sigemptyset()`/`sigaddset()`
- `setpgid()`
- `tcgetpgrp()`/`tcsetpgrp()`
- `tcgetattr()`/`tcsetattr()`

Each student will be assigned a specific system call to experiment with and present sample code for during Thursday 2/9’s lab.

Each group should come prepared to give a 5-minute presentation on how your shell is supposed to work. Be specific on the following:

1. Which signals does your shell handle explicitly? Which does your shell ignore? Do these cover all possible signals?
2. What data structures are you using?
3. What parameters are you storing for each job?
4. Explain what your shell plans to do with a newly submitted foregrounded job as well as a newly submitted backgrounded job
5. How are you handling concurrency issues?

Lab exercise:

I will discuss the shell design with each group.