Introduction

Operating Systems Practicum
CS 4411
Cornell University

Lectures

- Friday 2:30-3:20pm
- Hollister Hall B14

- Welcome (today)
- 6 Help Sessions
  - P1: Feb 2
  - P2: Feb 24
  - P3: Mar 10
  - P4: Mar 31
  - P5: Apr 21
  - P6: May 5

Enrollment

- No auditing
- Anyone already enrolled in 4410 should be able to enroll in 4411. If this is not the case, let us know.

Office Hours

- There is only one Google Calendar for 4410/4411 Office Hours

- TAs that list their hours as "4410 OH" have not taken 4411.

Piazza

- We have our own Piazza
  - Please don't post 4411 questions to 4410
  - Please don't post 4410 questions to 4411
  - Don't post code!

Projects

- Enrolled in 4410 & 4411: only required to do 4410's Programming Assignments 1 & 2 (individual assignments).

- 4411: something due approximately every 2 weeks

- Two bad deadlines:
  - P1 & A1 due on the same day
  - P5 is due the day after Prelim 2. (will change if we can)

PortOS

- 5 projects in PortOS, final project is separate
- Runs on Linux
- There will be a course VM (CSUG snapshot)
  - Work on your own machine at your own risk and definitely test on the VM before submitting

- Begins with some code base (not a blank file)
- Projects Build
  - Project n+1 will include your Project n code
- Tools like gdb, valgrind, purify are not going to play nicely with your assignments…

A word about C

- All 6 projects are in C
- Project #1 will be released early next week
  - If your C is rusty → brush up *NOW*
  - You should know:
    - Pointer arithmetic
    - Malloc, realloc, free
    - Typedefs, Type casting
    - void *, void **
    - Function pointers
    - Basic data structures (linked lists, etc.)

Partner Search

- Projects are done in pairs. No partner?
  - search on piazza
  - CatMe form coming soon
  - fill out the google form to be automatically assigned a partner (linked on piazza)
  - Find one right now!