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!