

Announcements

■ Next Few Days

- Lecture meeting today in place of tomorrow's lecture. (Tomorrow's 10 am lecture is cancelled.)
- My office hours are still being held during my absence on Mondays and Fridays, from 11:30am until 2:00pm, in Gates 192.
 - Truman Cranor will be in my Gates 192 office tomorrow, Friday, from 11:30am until 2:00pm.
 - Sneha Kudli, David Wang, and others will be in my Gates 192 office on Monday from 11:30am until 2:00pm.
 - Jessie Duan and others will cover my Friday hours a week from tomorrow.
 - Bottom line: Jerry's office hours are happening without Jerry.
- Assignment 4 due Monday, May, 18th just before midnight.
- Assignment 5 out on Monday as well.

■ Midterms Available

- Handout (published on Sunday) with statistics, solution set, criteria, and words of wisdom can be found [right here](#).
- Come by Jerry's office hours to pick up your midterm if you haven't retrieved it yet.
 - Understand that all regrade requests need to go through me, and need to be submitted by June 1st.
 - If you scan your exam and email it to me, I can manage the regrade over email and/or through Skype or Google Hangouts.

Network Clients

■ Today's Agenda

- Continue with networking.
 - Present set of high-level parallels outlining how similar normal function calls, system function calls, interprocess communication via pipes, and (finally) interhost communication via networking are all fundamentally the same thing. (I started this yesterday, but will finish it today.)
 - We'll learn how the file descriptor concept is extended to allow data (text, HTML, images, JavaScript) to be read from anywhere—not just to and from local files, from **stdin**, or to **stdout** and **stderr**.
 - We'll study how to write scalable, networked applications using the Berkeley and POSIX sockets API.
- Reading:
 - Read [Sections 4.1 and 4.2](#) of the Saltzer & Kaashoek textbook. These two sections provide a wonderful discussion of the client-server model.
 - Read all of Chapter 11 of Bryant & O'Hallaron (which is the third chapter of your reader).