Proxy again, for the last time

Elie Krevat
Outline

- Proxy Lab and Final Exam logistics
- Common Proxy problems (with Q & A)
- TA Reviews
- Final Exam Mini Review
  - Sample Problem 1: Semaphores
  - Sample Problem 2: Sockets
  - Sample Problem 3: Misc. Short Answer
Proxy & Final logistics

- Sign up this week for time slots to demonstrate your proxy
- Last lecture is Tuesday
  - More compiler optimizations
- Final Exam
  - Review Thurs., exam Fri. Dec. 12, 8:30am
  - Comprehensive
  - Slight focus on recent material
Common Proxy Problems

- Not forwarding all reqs as HTTP/1.0
- Treating server response as text, not binary
- Not ignoring SIGPIPE signals
- Not terminating all lines with “\r\n”
- Not including a host command (2nd line)
- Not terminating req with blank line
- Too much locking
  - Read/Write locks enable conc. read / excl. write
  - See man pages for `pthread_rwlock_init`
  - To compile may need: `#define _GNU_SOURCE`
- Not enough locking (race conditions!)
Please take 10 minutes to complete a TA evaluation

- Part of new TA evaluation program
- Please fill out *both* sides
- Your feedback is important!

- If done early, you can read ahead
  - Questions 7, 9, and 10 from Fall ‘07 final
Final Exam Mini Review

- Sample Problem 1: Semaphores
  - F07 Final, Problem 9
- Sample Problem 2: Sockets
  - F07 Final, Problem 10
- Sample Problem 3: Misc. Short Answer
  - F07 Final, Problem 7
Good luck on the final!

- You’re almost done!
- Come to office hours for more help
- I really enjoyed teaching this course, and I hope you enjoyed it too!
- Once you get past the final proxy/exam...
- What doesn’t kill us makes us stronger 😊