CMSC412 Discussion

Sept. 21, 2011
Plan:

- Talk about scheduling
- Go through gdb again
- Go over printrun
- Answer questions
Scheduling

3 types
● Long-term, Medium-term, Short-term

6 short-term scheduling algorithms from book:
● First-Come, First-Served
● Shortest-Job-First
● Priority Scheduling
● Round Robin
● Multi-level Queue Scheduling
● Multi-level Feedback Queue Scheduling

Take-home message:
● No perfect algorithm, always tradeoffs
GDB

● Open two terminals
● make clean
● make dbgrun in one
● THEN make dbg in other

● Do gdb stuff
  ○ breakpoints
  ○ print
  ○ info
  ○ use google to figure out how to use gdb

● Note: Can add -curses option to bypass X11
printrun

- emacs -nw Makefile.linux
- uncomment qemu lines
  - use tabs for following lines
- uncomment BIOSLOCATION

- make clean
- make printrun

- do stuff

- new terminal to kill 1st one
- look at out.txt
Questions?

FAQs:
- some tests currently buggy, being looked at
  - test-ampersand
  - ps tests
- unable to log in due to disk space
  - likely because firefox cache was filled, limit to 0