Homework 8

Due: Wednesday 10/5 at 11:59pm

Submit the following with handin as assignment hwk8.

1. (10 points) Complete the “chat room server” you started in lab 4. Your program should accept two incoming connections. Each should be queried for a handle (just send them a text prompt and receive the responses). After that, poll the two of them until either connection is closed. Whenever bytes are received from one of the connections, send its handle followed by the received bytes to the other client. In addition, print all received messages prefixed by the handle of the person from whom they were received.

A sample solution to this problem is available at /home/courses/cs308/lab4sol. This program is compiled to run on the lab machines.

One note of warning: When you interact with this program via telnet, it uses \r\n to terminate lines. Before I removed the \r from the handles, it appeared that the handle was being lost. (\r is the carriage return character, which was causing the cursor to jump back to the beginning of the line so that the message I printed after the handle largely covered it up...)