

COMP4300 – Computer Networks

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Assignment 1: Chat Room

INSTRUCTIONS

There are two python files to run. The server and the clients.

First, run the server in a terminal using “python chatserver.py <port number>”

If a port number is not given, it will use a default port (8433)

The server will let you know it is now listening.

Next, run the client in another machine/terminal using “python chatclient.py <host> <port>”

For example, testing on the aviary servers I would run “python chatclient.py hawk.cs.umanitoba.ca 8433”

You will be prompted to select a username. The username may not be ‘server’ as this is reserved to handle messages from the server differently.

You can run as many clients as wanted.

If successful, the server terminal should look something like this:

```
[pichons@hawk A1]> python chatserver3.py 8433
Server is listening on hawk:8433
Connected with ('130.179.28.119', 35084)
Client created (first_user)
handling client: ('130.179.28.119', 35084)
Connected with ('130.179.28.119', 46722)
Client created (second_user)
handling client: ('130.179.28.119', 46722)
```

This shows that a connection was made with a client, they were registered with a username and placed into the clients array, then a thread was started to handle that client.

NOTE: Please disconnect clients manually using “/exit” instead of a keyboard interrupt. The server may be closed using a keyboard interrupt (ctrl+C)