Problem Set 1: Socket Communication

There are 2 python files called ChatServer.py and ChatClient.py which are the scripts for the server and the clients respectively.

“$python ChatServer.py –h” and “$python ChatClient.py –h” commands can be used to check the usage for executing the files.

The server file requires the sp or server port, the default ip is set to the loopback address 127.0.0.1

The client file requires a sip or server ip which corresponds to the ip used by the server and the sp or the server port which is the port being used by the server.

To create a new client the same file can be run via another terminal.

The clients can send a “Quit” message to shut down the server, this was just put in for convenience and will be removed later as it’s a security flaw. The “q” message will make the client quit.

There is no specific greeting message and any message send by a client will be considered as a greeting message by the server and it will register that client.

Sample commands:

$python ChatServer.py -sp 4000 (t1)

$python ChatClient.py -sip 127.0.0.1 -sp 4000 (t2)

$python ChatClient.py -sip 127.0.0.1 -sp 4000 (t3)