## How to use

The system is a simple chat system using a client-server structure. Each client connects to a server using IP and port number for the server and then logs in with a username. Whenever a user logs in or out the server posts a list of all current users to every active user.

You send a message to one or more users by typing MSG:<user1,user2,…>:<message>.

You can message all users by typing MSG:\*:<message>.

It is very important to respect this format and to not use colons as they are a reserved character. Using this format will allow you to connect to multiple servers(not just this one!), as it is used as a standard format.

## Design

We based the system on an initial bare-bones “chat system” that echoed every message to every user without usernames. We have designed the client using an observer pattern, and allowing it to work both with and without a simple GUI .

# Client test

Testing our client against another groups server went well. There were no issues with the test.

# Server test

Testing another groups client against our server