Readme

File Roster
There are two java files for this project: ChatServer.java and MultiThreadChatClient.java. The ChatServer has two classes ChatServer and ClientThread. ChatServer implements the main method that runs the server at a specified port number. The client thread implements threads for all the client that are willing to connect given that the maximum client limit is not exceeded. The MultiThreadChatClient runs the client and it uses thread to give the chat client the ability to type as well as receive message simultaneously.

There is also Makefile that is used to compile the program.

Running the program
- Using makefile
    - Type **make all** in bash to compile the program.
    - Type **make clean** to delete the complied files.

- Running the Server
    - Type **java ChatServer *portNumber***
      For e.g. ChatServer 9715

- Running the Client
    - Type **java MultiThreadChatClient *address portNumber***
      For e.g. java MultiThreadChatClient cluster.earlham.edu 9715

Functionality

<center>***** List of commands *****</center>

/USER NAME : Change username. E.g. /USER Carl changes name to Carl
/POST MESSAGE : Send Message to all users. e.g. /POST hi
/WHO : List of users"
/QUIT : Exit chat
@USER MESSAGE : Send private message to USER. For e.g. @Maniz Private msg.
Note - Command starts with /. By default, text without / are treated as message, i.e. text: hello is treated as /POST hello.