**Readme**

<https://github.com/nishad10/superchat/tree/final/Group%206>

**Main**

1. There are two folder inside. One folder contains the main program along with the GUI and ncurses. The second folder is just to show that we had the change chatroom/ Delete add chatroom function working in terminal but didn’t have time to merge it with ncurses.
2. Makefile provided.
3. **CHANGE THE CPP FLAG IN MAKEFILE TO LOCATION OF ncurses.cpp**
4. Have ncurses and asio installed.
5. Have our **dictionary file** in the same folder as all other files.
6. Run the ./make command.
7. Then run ./chat\_server <port>
8. Then run ./chat\_client <localhost,127.0.0.1> <same port>
9. That will open up server and client.
10. You can open up 50 clients.
11. Choose a nickname in the box provided and press enter.
12. Then you can navigate in between the different options provided using arrow keys.
13. To select an option press, enter while on the option.
14. To start receiving or to send messages go to send/receive.
15. You can type your message in the box and press enter to send the message.
16. Your message will be displayed in the window above.
17. Your nickname will be displayed before the message with a time stamp.
18. To exit the send/receive option and navigate in the menu click **SHIFT+~ or SHIFT+!**
19. To change nickname while logged in go to the box where the nickname is displayed and then click enter.
20. A new box will pop up enter your new nickname.
21. Press enter to select and that should bring you back to the menu with updated nickname.
22. We have a spellcheck window right above the box where you type.
23. The spellcheck window shows the closest correct spellings of the words you are currently typing.
24. To start sending encrypted messages go to encrypt and press enter.
25. A new window should popup enter your secret number here.
26. Now go to send/receive and your messages should be encrypted with that secret number.
27. Send this secret number to your friend. Now when you type a message all the users should see a encrypted message.
28. If your friend wants to decrypt the message then he will navigate to Decrypt option and a window will pop up.
29. No he will enter the secret number you shared with him.
30. This will decrypt the message just for him and not others.
31. This message will stay on the window for future references.
32. If you want to send non encrypted messages again then just go back and click enter on encrypt.
33. File attachment,
34. To logout just go to exit button and press enter.
35. New users should receive the old messages in the lobby when they join.

**Terminal**

Terminal only has a few things that weren’t able to be implemented in the final ncurses version. Using “./help” or “./commands” can bring up a list of commands. They all work, except for for “./changeroom”. The command is carried out and the client’s chatroom is changed, but it stops the server from routing messages.