

readme

To run server from windows power shell: [path to python]\python.exe [path to project files]\chatserver.py To run client from windows power shell: [path to python]\python.exe [path to project files]\main.py

As you join channels tabs are made at the top of the GUI that can be clicked to rejoin the channel for the specific tab. When you rejoin that channel, you get the entire history of the channel from before you were there, while you were there and any other dialog that happened after you left. When type in the chat your messages will come out with your username not the word you. For example, if my username is Andre and I type something, in the chat window it will show up as 'Andre: message' instead of 'You: message'. The /pass is not implemented as an actual command, the client connecting to the server is just prompted to enter a password to enter the server (the server password for my server is: secretpassword). The /user and /connect commands are not implemented. There is no way to become a channel operator however commands that use this feature have been implemented to work with a channel operator (they also work being an irc operator which will be used to show in the video). The command /restart shows an error message in the chat server terminal but proceeds to work as intended anyway. The /kill command works initially but then messes up other clients running as well. Chat logs are stored in the same directory as the source files and are created as channels are made. Each channel has their own log.

Server password: secretpassword

Irc operator Username: ircOperator

rc operator Password: password

Video Link: https://www.youtube.com/watch?v=FRzusaCM_Fc

/help - Show the instructions In order to see all instructions clearly the chat window must be enlarged.

/join [channel_name] - To create or switch to a channel.

/quit - Exits the program.

/list - Lists all available channels.

/away [away_message] - Sets an away message to be sent if a privmsg is sent to you.
If message is omitted then away status removed.

/time - Prints the time and date. /setname [real_name] - Sets real name. /privmsg [target]
[message]

- Sends a message that only the target can see, if away status is not set.

/ping - Sends pong.

/pong - Sends ping.

/version - Prints the current version of the chat.

/rules - Prints the rules of the chat.

/invite [target] [target_channel] - Invites the target to the target_channel.

/ison [list_of_users] - Prints the users that are online from the given space separated list of
NICK NAMES.

/knock [target_channel] [message] - Sends a message to the target_channel.

/nick [nick_name] - Sets nick name.

/notice - Sends a message that only the target can see.

/die - Shuts down the server. Only irc operator can do.

/restart - Restarts the server. Only irc operators can use this command. Shows an error message in the chat server terminal but proceeds to work as intended anyway.

/oper [username] [password] - Authenticates an irc operator (predetermined): Irc operator
Username: ircOperator Irc operator Password: password

/kill [target] - Kills a target. Only irc operators can use this command.

Disconnects target, but there is an error with other clients as well.

/part [channels] - Removes you from the channels in the given comma-separated list. Since you technically can't be in more than one channel in this program you will only be removed from one channel, but method is implemented to remove you from multiple if feature were to be added.

/silence [target] - Silences the target. Only irc operators and channel operators can use this command.
/wallops [message] - Sends the message to all operators on the server. Only can be used by irc operators and channel operators.

/topic [channel] [message] - Provides the topic of the given channel. If message is included, then sets the topic.
Only irc operators and channel operators can set the topic.

/kick [channel] [client] - Kicks the client from the channel. Only irc operators and channel operators can use this command.

/info - Provides some information about the server.

/userip [nickname] - Provides the ip address of nickname if it exists.

/who [nickname] - Returns a list of usernames that match the nickname.

/whois [list_of_users] - Prints user information from the given space separated list of NICK NAMES.

/userhost [list_of_users] - Prints user information from the given space separated list of NICK NAMES.

/users - Returns a list of all the users.