

ULTIMATE CHAT ROOM!

Assignment 1

COP 4338 - Systems Programming - Spring 2021 - U01 1211

Instructor: Kianoush Gholamiboroujeni

Programmer: Jose R Hernandez

CHAT ROOM PROTOCOLS AND COMMANDS

CLIENT REQUEST	SERVER RESPONSE	MEANING:
#login n	LOGIN SUCCEFULL or USER NAME TAKEN, or ERROR LOGIN – List of Commands	If n is between 4-10 character long & n is being used by any other user (if other users are logged on) it will set the current user's login with N. Displays all the commands
#status	userList; NOT LOGGED on message	Displays the users currently connected and logged on to the server
#logoff	logoff message	Disconnects the user from the server. Displays message to all active users that user has logged off.
#dm n m	N and M; N is not found; not logged on message; N received M; not logged on message	Displays M directly to N if N is connected on logged on. If not, displays error to sender
#join x	Joined x message; not logged on message	The user joins X and X is added to a List with the user
@x m	X and m; not a member of x, x does not exist, not logged on message	If user is logged on, send m to x; all users member of x receive m; if x does not exist it displays error to sender
#leave x	Leave x message; x does not exist, not logged on message	If user is logged on and has joined x, the user is deleted from list, if x does not exist it displays error to sender
m	Not logged on message	If user is logged on, displays M for all connected and logged on users; if not it will send error to sender