I used python in this assignment.

first, the server needs to accept new connections from clients. From here, we need to come up with some way to identify our unique users. We could display users by IP address, but in this assignment, we need username and password, so our server will first allow clients to connect and put in a username and password. We need to verify the username and password, there are functions for doing that, which is def login(self, conn: socket) and def auth(self, username: str, password: str, conn: socket):, sever side gets packet sent by the clients side and then encode with utf-8 then send to the sever side to verify. The handle function is to see which command that has been put in the input on the client side. All the other functions are inside sever.py.