

Assignment 5 - Server
Part 1 Due April 27
Part 2 Due May 6
Part 3 Due May 13
Part 4 Due May 20

You will implement the server in four stages as described below.

1. Implement a multi-threaded server that handles the commands nickname, quit and register. The server does not have to save data in a database or even in a file.
2. Have the server save data in a database. The database connection needs to be thread-safe. Currently you only have to save user data (nickname and passwords) in the database. However by the end of the assignment you will also save conversations in the database.
3. Extend the server to handle the command login, available and waiting list. The server has to handle the state of each connection correctly.
4. Extend the server to handle conversations. The server only has to handle conversations that are passed through the server. The server has to store conversations in the database.