

Mandatory Assignment 1 - Chat system Protocol

List of allowed messages (and their meaning):

JOIN <<user_name>>, <<server_ip>>:<<server_port>> From client to server. The user name is given by the user. Username is max 12 chars long, only letters, digits, '-' and '_' allowed.
J_OK From server to client. Client is accepted.
J_ER <<err_code>>: <<err_msg>> From server to client. Client not accepted. Duplicate username, unknown command, bad command or any other errors.
DATA <<user_name>>: <<free text...>> From client to server. From server to all clients. First part of message indicates from which user it is, the colon(:) indicates where the user message begins. Max 250 user characters.
IMAV From client to server. Client sends this heartbeat alive every 1 minute.
QUIT From client to server. Client is closing down and leaving the group.
LIST <<name1 name2 name3 ...>> From server to client. A list of all active user names is sent to all clients, each time the list at the server changes.

Note:

This notation <<info>> indicates a placeholder, and they need to be replaced with appropriate content.

E.g.:

JOIN <<user_name>>, <<server_ip>>:<<server_port>>

Might look like this:

JOIN alice_92, 172.168.168.12:4578