

UChat Server Command Specification

1. AUTH Commands

AUTH|REGISTER|username|password

- AUTH|OK

- AUTH|FAIL|User exists

AUTH|LOGIN|username|password

- AUTH|OK

- AUTH|FAIL|Invalid credentials

2. Public Messaging

MSG|all|text

Response:

MSG|id|time|sender|all|text

3. Private Messages

MSG|username|text

Response to sender and receiver:

MSG|id|time|sender|receiver|text

4. HISTORY

HISTORY

- Public + private messages involving user

HISTORY|PUBLIC

HISTORY|PM|username

HISTORY|ROOM|roomName

5. Message Editing and Deletion

EDIT|id|newText

- HISTORY_UPDATED

- ERROR|Cannot edit

DEL|id

- HISTORY_UPDATED

- ERROR|Cannot delete

6. Rooms

ROOM_CREATE|roomName

- ROOM|CREATED|roomName

- ROOM|EXISTS|roomName

ROOM_DELETE|roomName

- ROOM|DELETED|roomName

- ERROR|Only owner can delete room

- ERROR|Room not found

ROOM_JOIN|roomName

- ROOM|JOINED|roomName

- ROOM|ALREADY|roomName

- ERROR|RoomNotFound

ROOM_LEAVE|roomName

- ROOM|LEFT|roomName

- ROOM|NOT_MEMBER|roomName

ROOM_MSG|roomName|text

Response:

MSG|id|time|sender|roomName|text

7. USERS broadcast

USERS|user1,user2,user3,...

8. Error for unknown commands

ERROR|Unknown command