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Chat System Protocol

***Set up***

1.**Register**

Command: REG

Parameters: <Name> <Password> <Re-type Password>

This command must be used to register to a chat room. The user must use their preferred account name rather than a nickname. This can be set later. The name must be between 3-18 characters and password must be between 8 and 256 characters and including at least one uppercase character and a number.

Replies:

USER NAME UNAVAILABLE

USER NAME TO SHORT

USER NAME TO LONG USER NAME CRITERIA NOT MET

PASSWORD TO SHORT

PASSWORD TO LONG

PASSWORD CRITERIA NOT MET

USER NAME AND PASSWORD ACCEPTED

Example: REG Name/Password

2. **Join Chat Room**

Command: CON

Parameters: <Room Name> <Room Password>

This command is used to join the users preferred chat room from a list of available rooms on the server. Each room can have 10 users at one time.

Replies:

ROOM UNAVAILABLE

ROOM PASSWORD INCORRECT

ROOM FULL

JOIN SUCCESSFUL

Example: CON roomname/roompassword

3. Set nickname

Command: SETNICK

Parameters: <Name> <Nickname>

This command is to change the users display name from their account name to a nickname. It must be between 1-18 characters.

Replies:

NICK NAME IN USE

NICK NAME TO SHORT

NICK NAME TO LONG

NICK NAME SET SUCCESSFUL

Example: SETNICK Name/Newnickname

***In Chat***

1.General Chat

The user may send messages including any punctuation up to a maximum length of 140 words. In order to prevent users from spamming the chat room the user can only send a maximum of 20 messages per minute.

Replies:

TOO MANY WORDS

SPAM DETECTED, TOO MANY MESSAGES PERMINUTE

1.2 Private Message

Command: PV

Parameters: <Target Name> <Target Nickname>

This command is used to send a private message to another user. No other user can ever see these messages unless their name is included in this command.

Replies:

USER NOT FOUND

USER OFFLINE

USER BANNED

USER KICKED

Example: PV Name/Message

3.Private Group Message

Command: PVG

Parameters: <Targets Name> <Targets Nickname>

This command is used to send a private message to a group of people. A group of people must be a minimum of 2 users.

Replies:

USER NOT FOUND

USER OFFLINE

NOT ENOUGH USERS

USER <NAME> HAS BEEN BANNED. UNABLE TO RECEIVE MESSAGE

Example: PVG Name1-Name2-Name3/Message

***Admin***

1.Set chat room name

Command: RNAME

Parameters: <current room name> <new room name>

This command is to set the displayed name for the current chat room. Only the server admin may set the display name. The room must be between 2 and 18 characters long and can included punctuation and numbers.

Replies:

CHAT ROOM NAME TOO SHORT

CHAT ROOM NAME TOO LONG

CHAT ROOM NAME ALREADY TAKEN

Example: /RNAME current room name – new room name

2.Give user admin privileges

Command: SETAD

Parameters: <user name>

This command can give admin privileges to other users. They will be able to change room names and ban users/lift bans from users.

Replies:

USER NOT FOUND

USER OFFLINE

USER ALREADY ADMIN

Example: /SETAD user name>

3. Set Time

Command: FORTIME

Parameters: <user> <ban> <kick> <silent>

<years months’ week’s days’ hours>

This command is to set a length of time that applies to either bans, kicked from room or user being silenced. It can only be used at the end of a ban, silence or kick command.

Replies:

USER NOT FOUND

USER OFFLINE

USER ALREADY BANNED

USER ALREADY KICKED FROM ROOM

USER ALREADY SILENCED

NO TIME ENTERED

Example: /ban user fortime y0,m0,w1,d4,h0

The example above will ban a user for 1 week and 4 days

4.Kick user

Command: KICK

Parameters: <user> <fortime> <years months’ week’s days’ hours>

This command is to kick a user from the current chat room. It will instantly kick the user and will message them telling them they have been kicked. The user may still access other chat rooms on the server. Also the user may join back instantly if the admin has not specified an amount of time.

Replies:

USER NOT FOUND

USER OFFLINE

USER ALREADY KICKED

NO TIME ENTERED

Example: /kick Name fortime y0,m0,w1,d4,h0

4.Silent user

Command: SILENT

Parameters: <user> <fortime> <years months’ week’s days’ hours>

This command will silent a user so that they will be unable to message the chat room or send private messages to other users. The silenced user will still be able to see the rooms chat feed and private messages but will be prompted with “You have been silenced for (amount of time) whenever they try to send a message.

Replies:

USER NOT FOUND

USER OFFLINE

USER ALREADY SILENCED

NO TIME ENTERED

Example: /SILENT Name fortime y0,m0,w1,d4,h0

4.1 Un-silent user

Command: USILENT

Parameters: <user>

This is to un-silent a user that has already been silenced by an admin. Only an admin can use this command.

Replies:

USER NOT FOUND

USER OFFLINE

USER NOT SILENCED

Example: USILENT Name

5.Ban User

Command: BAN

Parameters: <user> <fortime> <years months’ week’s days’ hours>

This command will ban a user from the server for a set amount of time or permanently. They will not be able to view any messages or view the list of chat rooms. Only an admin can ban users from the chat room.

Replies:

USER NOT FOUND

USER OFFLINE

USER ALREADY BANNED

NO TIME ENTERED

Example: /BAN Name fortime y0,m0,w1,d4,h0. or /BAN Name permanently

6.Lift ban

Command: LBAN

Parameters:<user>

This command is to lift a ban that has been set on another user. It can only be used by admins to lift bans on other users.

Replies:

USER NOT FOUND

USER OFFLINE

USER CURRENTLY NOT BANNED

Example: /LBAN Name