API Specification For the CLack Application

Order of expected

1. Logging into Server - MUST BE FIRST FOR OTHERS TO WORK!

2. Requesting User Directory and Requesting User Chatroom

3. Receive New message for logged in User and Sent a New Message for a logged in User

a. Can happen many times

4. Sent a Log out Message

Logging into Server / User Authentication - POST request

Request Data - String (with both the username and the password separated by ;;;)

Response - Boolean (true if the right credentials were given and false if not)

Requesting User Directory - POST request

Request Data - User object that at least must contains:

String called userID and String called password

Response - File of the list of users currently registered for the application

Requesting User Chatroom - POST request

Request Data - User object that at least must contains:

String called userID,

String called password

Response - File of the list of users currently registered for the application

Receive New message for logged in User - GET request

Request Data - N/A

Response - Message from another user on the Server to the currently logged in user

Sent a New Message for a logged in User - POST request

Request Data - Message Object from the currently logged in user.

The object must have:

String of the sender, Date object of time sent, String of the chatroom the

message belongs to, String of the status of the message, msgType object

containing the message type, and String of the text

Response - N/A

Sent a Log out Message - POST request

Request Data - Message from the currently logged in user.

Response - Boolean True (indicating the user was logged out)