Sprint 3 - Goals

Base Goals:

1) Implement deletion of messages in the Direct message window.
   - Every message in the window will be displayed with an id. The user has to enter a command in the form Delete <id> while in the Direct message mode. The server parses the message and sets a flag for the message with that id in the database, indicating that the user has deleted it.
2) Implementing Group chat.
   - The user who creates the group becomes the default moderator.
   - The user can enter a command which indicates the Group name and the message to be sent to the group. So, all the users who are logged in and belong to the group get the message.
   - The user can send request to join group by using a command in the form JOIN <group_to_join>. The moderator of this group should get the request and enter yes/no to accept or deny the request.
   - The user who is a moderator can remove a person from the group.
   - The user who is a moderator can add another user as moderator.
   - Any user who is a group member should see the members in the current group.
3) Queueing of messages when the user logs in after a period of time.
   - Display the number of group messages and direct messages, and requests to join groups.
   - Wait for user prompt to display the messages.
4) Implement message forwarding.
   - The user should be able to forward a message to another user by using the message ID.
5) Implement APIs to get the message logs for a user. The log should include the deleted messages as well.
6) Implement feature for viewing the user's circle.
7) Implement feature for viewing all the existing groups. (find groups)

Stretch goals:

1) Messaging a subset of the group users.
   - The command from the user should take the list of members of the group to whom the message should be sent to, and only those users should receive the messages.
2) Implement message encryption and decryption on client side to ensure security of the messages.