

## **Team 213**

### **Sprint 4 Goals**

#### **Goals:**

1. CIA Wiretapping
  - a. Special CIA user will be able to place a wiretap on a given user
  - b. CIA user will be able to retrieve communications on a wiretapped user
  - c. CIA user will be updated in real time of wiretapped users communications
2. Reply to messages (threads)
  - a. Users will be able to reply to messages
3. Hashtags
  - a. Users can post to a hashtag which serves as a common posting ground on a subject
  - b. Users can create a hashtag
  - c. Users can retrieve all messages posted to a hashtag
4. Ability to follow / unfollow users
  - a. Users can follow other users (being notified when they post to a hashtag)
  - b. Users can unfollow other users they have previously followed.
  - c. Users can retrieve a list of their followers
  - d. Users can see a list of user they are following
  - e. User will be notified of the activity on a hashtag of the users they are following
5. Create a help menu
  - a. Users will be able to get a printout of a help menu with all supported commands
  - b. Users will be able to type in a specific command to find documentation on it's proper usage.
6. Refactor existing code
  - a. We will refactor our large if else statements used to process message and review the existing code for areas we can make improvements by refactoring.

#### **Stretched Goals:**

1. DND (do not disturb)
  - a. A user can turn on or off do not disturb which will prevent them from receiving messages
2. Get all groups a user belongs to
  - a. A user can get a list of all the groups that they belong to.
3. Get messages between timestamps
  - a. A user can retrieve messages with a user between two given timestamps.
4. All users get notifications when a user joins/ leaves a group
  - a. All users in a group will be notified if a user joins or leaves a group.
5. Message Encryption
  - a. Messages will be encrypted end to end.
6. User can get their user profile
  - a. Users can print out the details of their current user profile information.

7. Message Forwarding

- a. Users will be able to forward a message to another user.

8. Secret Messages

- a. Users will be able to send a secret private message that will not be able to be forwarded to another user by the recipient.