

Requirements based on Product Backlog

1. Users & Groups

- 1.1. The system must allow users to set personal attributes so that users can be represented as individual entities in the system.
- 1.2. The system should allow users to create groups
- 1.3. The system should allow users the option to be part of zero, one or more groups.
- 1.4. The system should validate that each group has at least one moderator.
- 1.5. The system should allow moderators to add/remove users in/from the group.
- 1.6. The system should allow moderators to delete a group.
- 1.7. The system should allow a group user to leave the group.
- 1.8. The system should all groups to have one or more groups in them.
- 1.9. The system should allow moderators to edit group settings.
- 1.10. The system should allow group users to invite other users to join the group.
- 1.11. The system should allow group users to invite other groups to join the group.
- 1.12. The system should allow groups to be password protected
- 1.13. The system should provide icons/personalities for every user.
- 1.14. The system should allow users to login to the system using facebook, linkedin or their husky credentials.

2. Communication:

- 2.1. The system should allow all users to send/receive simple text messages
- 2.2. The system should queue messages in the correct order and deliver them in that order when user comes online.
- 2.3. The system must allow all users to see other online users.
- 2.4. The system must allow users to follow other users/groups.
- 2.5. The system must allow users/groups to set their searchable/not-searchable status.
- 2.6. The system must allow users to find searchable users/groups.
- 2.7. The system must allow users to send/reply to group messages
- 2.8. The system should allow users to forward received messages.
- 2.9. They system may provide the facility to show the originator to whom are the messages are ultimately forwarded.
- 2.10. The system must store all messages permanently.
- 2.11. The system must support the English character set. It should also support Spanish and French character sets.
- 2.12. The system should all users to recall/delete a sent message.
- 2.13. The system should handle time zones appropriately.
- 2.14. The system should allow users to reply to an individual person

- 2.15. The system should provide a functionality that will enable a user to send an ephemeral message.
- 2.16. The system may provide a functionality to reply to ephemeral messages.
- 2.17. The system may support threaded messages. A message may have a thread attached to it.
- 2.18. The system must provide a functionality for users to set encryption for their messages.
- 2.19. The system should support multimedia messages and emojis as a part of the message or as individual message.
- 2.20. The system may translate messages in the user specified language while sending the message.

3. Government

- 3.1. The system should provide a mechanism to send a copy of all communications of a user to a third-party organization (Government). This copy should have a extra details of the sender and the recipient
- 3.2. The system should be able to notify a third party when a user logs in.
- 3.3. The system should provide a mechanism to pull out older conversations for a user.

4. Others:

- 4.1. The system should be able to create private messages that cannot be forwarded or copy/pasted. The system should encrypt such messages while storing and sending.
- 4.2. The system should provide filters that would filter out the content at the server side
- 4.3. The system should provide a mechanism for the users to choose if they want the filtered messages to be blocked, delivered with offensive material blocked out, or flagged.
- 4.4. The system may allow keywords (hashtags) for messages to be categorized
- 4.5. The system should have an option to schedule meetings/events and ask for RSVPs.