**Software Plan G13**

1. **Scope**

Our goal is to create a fully functioning live chat web application, users will be able to easily create their own accounts and quickly interact with other users in a variety of ways, most notably: chatting, sending files, and hosting calls. All features will be easily accessible via a sleek and easy to use graphical interface.

**1.1 Functions**

The application will provide the following functionality: a user will be able to look up other users and send friend requests, once two users have become friends, they will be able to send and receive messages, images, emoticons, files, as well as, create group chats, receive notifications, review chat history, and initiate voice or video calls. The software will also feature a profile page through which a user will be able to customize their display name, change their profile picture, and post status updates viewable by any contacts. Users may also choose to block or delete friends.

**1.2 Performance**

Our software will create a live chat system with minimal delay between sending and receiving messages. Users will be able to view their chat history which will be available to download in a compressed format to reduce memory requirements and reduce the burden on the network.

**1.3 Limitations**

The amount of chat history readily available to download will be limited to the past seven days or 5mb, whichever is smaller. Our users will be unable to view each other’s screens and there will be no global status feed to display all of the viewable status updates in a consolidated space, users will have to navigate to profile pages to view status updates.