

### Sprint 3 Plan

**Goal:** We have a few more big functionality pieces we need before we meet the basic requirements of this app. That needs to be our focus for this sprint. We also need the Unit Testing Framework fully fleshed out as it is a requirement for this sprint.

#### Tasks with user stories:

As a developer I want functional netcode so that we can have multiple phones connected to each other(34 points)

Sending data over a WiFi(2 hours)

As a developer I want to merge over netcode and UI so that we are using one .apk project(21 points)

Link connect button for connecting to a group(4 hours)

Linking message queue tied to chat view(4 hours)

As a user I want a clean UI so that it is easy to use(13 points)

Add a logo to the main menu(2 hours).

As a user I want to be able to send messages to other users so I can chat with them(55 points):

Connect more than two users into the same chat group(5 hours)

Users send chat message data to group owner (3 hours)

Group owner periodically sends out new chat log to all users in group(3 hours)

Remove known fault of not being able to rejoin chat group once one is left(5 hours).

Learn how to use Java Sockets to send data between users connected in a WiFiDirect group(6 hours).

Make correct group names appear in group list instead of group owner MAC address(5 hours).

As a developer I want a more rigorous unit testing framework because I want this project to be as fault free as possible(21 points):

Make test cases for touchscreen input handling(4 hours)

Test how many clients can connect to a group and what that group load is. (4 hours)

Unit test the BroadcastReceiver class we are currently using (3 hours).

Functional tests connecting and disconnecting both for users and group(3 hours).

Functional test for message queue load(5 hours).

### Team Roles:

Ryan Cori(developer)

HuJun Cui(developer)

Jeff Sweeney(developer)

James York(developer)

David Zeppa(ScrumMaster)

Ian Blake(Product Owner)

### Initial task assignment:

Ryan Cori(Sending data over Wifi);

HuJun Cui(Add a logo to the main menu)

Jeff Sweeney(Learn how to use Java Sockets to send data between users connected in a WiFiDirect group)

James York(Sending data over WiFi)

David Zeppa(Learn how to use Java Sockets to send data between users connected in a WiFiDirect group)

Ian Blake(Make correct group names appear in group list instead of group owner MAC address)

### Initial burnup chart:

