

SE 492 – sdmay20-48

Hear Together

Biweekly Report 1

1/16 – 1/30

Client and Adviser: Mat Wymore

Team Members

Jessie Rutledge - Communicator/Full Stack Developer

Andrew Peterson - Backend Developer

Malcolm Johnson - Backend Developer

Paul Licata - Full Stack/QA Developer

Richard Smith - Frontend Developer

Roger Ferguson - Test Engineer

Status for 1/16 - 1/30 (2 weeks):

Weekly Summary

Established weekly meeting times for discussion of progress and for working on code jointly. Continued ongoing work in implementing and testing current features being worked on.

Past two week accomplishments

Jessie Rutledge: Worked on coding and testing of Wifi Direct capabilities together with Roger Ferguson.

Andrew Peterson: Researched firebase, particularly authentication, and Firebase's default configurable UI for authentication called Firebase UI Auth. Nearly completed integration of Firebase UI Auth into normal program function, and created a Firebase instance with desired setup for authentication.

Malcolm Johnson: Researched android sound processing libraries. Began experimenting with TarsosDSP.

Paul Licata: Continued to research and coding of Fourier transform algorithms.

Richard Smith: Research and coding on Firebase implementation with Android.

Roger Ferguson: Worked on research, implementation, and testing of Wifi Direct capabilities.

Plans for the upcoming week

Roger Ferguson and Jesse Rutledge: Getting a functional version of the Wifi Direct working.

Richard Smith and Andrew Peterson: Fully implement Firebase.

Paul Licata and Malcom Johnson: Be able to record and modify sounds.

<u>Name</u>	<u>Individual Contributions</u>	<u>Hours this week</u>	<u>Hours Cumulative</u>
Jessie	Worked on WiFi direct P2P	8	8
Andrew	Worked on firebase authentication	5	5
Malcolm	Research and experiments	5	5
Paul	Worked on frequency detection from sound input	7	7
Richard	Worked on firebase authentication	5	5
Roger	Worked on WiFi direct	6	12