

CprE 491 WEEKLY REPORT 18

Date: October 3, 2016

Group number: Dec1618

Project title: A Community Awareness System for Android Devices

Client: NSA, Dr. Daji Qiao, Dr. George Amariuca

Advisor: Dr. Daji Qiao, Dr. George Amariuca

Team Members/Role:

- Jason Wong: Team Leader
- Erik Fetter: Communication Leader
- Matt Gerst: Team Webmaster
- Shikhar Vats: Key Concept Holder
- Brad Anson: Key Concept Holder
- Adit Kushare: Key Concept Holder

✓ Weekly Summary (Short summary about what you did this week)

Everyone seems to be motivated after Brad's breakthrough last week. Shikhar started working on cleaning and rebuilding the UI for our final application. Brad worked on refining his video activity. Jason has been working on integrating Shikhar's distance estimation activity with his visualization activity. Matt and Erik have been working on creating a new network protocol for information transfer that would enable us transmit information with depending on the MeshMS and Rhizome protocols.

✓ Individual contributions

<u>NAME</u>	<u>Individual Contributions</u>	<u>Next Week Goals</u>	<u>Hours this week</u>	<u>HOURS cumulative</u>
Jason Wong	<ul style="list-style-type: none">● Investigating why bluetooth names become corrupted	<ul style="list-style-type: none">● Continue working on RSSI integration.	3	22

Brad Anson	<ul style="list-style-type: none"> • Looked into why Rhizome video file upload is so slow • Combined Broadcast Receivers in CameraService • Improved Video Quality so we can record in 720/1080p • Helped Adit understand Audio Flow/Path 	<ul style="list-style-type: none"> • Figure out how to display Sensor values in an intelligible way. 	8	40
Adit Kushare	<ul style="list-style-type: none"> • Completed logging to a file for background audio. 	<ul style="list-style-type: none"> • Working toward using MSP for file transfer between devices. 	7	32
Erik Fetter	<ul style="list-style-type: none"> • Working with Matt to finish up the Network API and get it tested 	<ul style="list-style-type: none"> • Finish the API and work on any other issues that come up 	6	16
Matt Gerst	<ul style="list-style-type: none"> • Finished the custom protocol 	<ul style="list-style-type: none"> • Start working with the others parts of the project to integrate them with the Network API 	3	16
Shikhar Vats	<ul style="list-style-type: none"> • Started looking into migrating the project UI to work with the Material Theme in Android. 	<ul style="list-style-type: none"> • Plan to have an idea of the layout designed and start working on it. 	6	20

✓ **Summary of weekly advisor meeting (if applicable/optional)**

We updated the advisors with the progress. Among the issues we discussed were setting out a timeline for the rest of the semester, and deciding on skipping the next sprint meeting and meeting the week after. This was for integrating all our work and hopefully demonstrate another complete prototype of the application in the next meeting.