

## CprE 491 WEEKLY REPORT 19

**Date: October 10, 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)

We didn't have an advisor meeting this last week. We took the time to test the code on our individual branches, and debug to prepare for the merge before the next demo.

### ✓ 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"><li>● Investigating why bluetooth names become corrupted</li></ul>	<ul style="list-style-type: none"><li>● Continue working on RSSI integration.</li></ul>	3	25
Brad Anson	<ul style="list-style-type: none"><li>● Helped Matt with Build Issues</li><li>● Worked with Matt Wymore/Shikhar on final product UX/UI.</li><li>● Imported a Graphing Library for displaying Sensor Data</li></ul>	<ul style="list-style-type: none"><li>● Prepare for demo on Thursday.</li><li>● Integrate all Services into one.</li><li>● Create a graph for Light Sensor.</li><li>● Benchmark test for busy/large networks.</li></ul>	20	60

	<ul style="list-style-type: none"> <li>Created an Abstract Graph Activity Interface for visualizing several different kinds of sensors.</li> <li>Created 3 Concrete Graph Activities for Accelerometer, Gyroscope, and Gravity sensors.</li> </ul>	<ul style="list-style-type: none"> <li>Transition Video Requests from MeshMS to the Network API.</li> <li>Help integrate all teammate work (solve build, compile, framework issues)</li> </ul>		
Adit Kushare	<ul style="list-style-type: none"> <li>Still working with sending files using MSP. Currently files sent using MSP come out corrupted on the other side.</li> <li>Retrofitted the broadcast receivers and the simple commands protocol to process on Demand Audio Requests</li> </ul>	<ul style="list-style-type: none"> <li>Fix MSP audio file transfer to create a working implementation of on Demand Audio</li> </ul>	6	38
Erik Fetter	<ul style="list-style-type: none"> <li>Working together with team on merging code from the different branches</li> </ul>	<ul style="list-style-type: none"> <li>Put sensors into batphone and work to give access to specific sensors and sensor data</li> </ul>	6	22
Matt Gerst	<ul style="list-style-type: none"> <li>Integrated the custom protocol with the Network API</li> </ul>	<ul style="list-style-type: none"> <li>Implement unicast file sharing (not rhizome)</li> <li>Work with the other parts of the project to make sure the API meets their needs</li> <li>Integrate the other portions of the project</li> </ul>	8	24
Shikhar Vats	<ul style="list-style-type: none"> <li>Have the UI planned out, started the migration but having Dependency issues with using the features of newer API's with the Serval Project</li> </ul>	<ul style="list-style-type: none"> <li>Make some progress on the remodelling of the UI</li> </ul>	3	23

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

We did not have an advisor meeting this last week.