

CprE 491 WEEKLY REPORT 7

Date: March 7, 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)**

This was a busy week for us all because of midterms in other classes so we didn't get as much done this week. However, we started our design document and split the workload among our group members to complete this document.

✓ **Past week accomplishments (please describe as what was done, by whom, when)**

- ❖ Shikhar completed the use of bluetooth for finding the RSSI of the connected devices
- ❖ Brad was able to start the camera activity using Erik's services.

✓ Individual contributions

<u>NAME</u>	<u>Individual Contributions</u>	<u>Hours this week</u>	<u>HOURS cumulative</u>
Jason Wong	<ul style="list-style-type: none"> • Reworked repository setup to split into two main repositories (batphone and serval-dna). Needed to add upstreams to serval project. • Worked on configuring OpenWRT to configure new SSID, and added authentication 	4	39
Brad Anson	<ul style="list-style-type: none"> • Work on standards document • Completed integration between mine & Eric's app. Camera can now be invoked by a service. • Begun cursory research to how to use an AlarmManager to awaken phone, initiate camera. 	2	25
Adit Kushare	<ul style="list-style-type: none"> • Work on standards document • Integrated audio portion into the tester app • Working on adding this functionality to Brads service above so both camera and audio can be used from the same service. 	2	24
Erik Fetter	<ul style="list-style-type: none"> • Work on standards document 	2	20
Matt Gerst	<ul style="list-style-type: none"> • Continued work on sending messages across the network 	3	21
Shikhar Vats	<ul style="list-style-type: none"> • Completed bluetooth RSSI for the devices connected in the network • Started working on integrating the bluetooth RSSI with servalMesh 	5	24.5

✓ Plan for coming week (please describe as what, who, when)

- ❖ Erik and Brad will work on figuring out a way to capture the video/audio while the phone is in "sleep" mode
- ❖ Complete the integration of bluetooth RSSI with serval mesh

❖ Look into the working of the several mesh protocols

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

Dr. Qiao, and Dr. Amariucaí were not able to make it to this week's meeting. In their place we met with Matt, the PhD. student assisting Dr. Qiao in the project. We discussed about our progress in the last week, and what the next steps would be, and what we need to get done before the next meeting.