491 Weekly Report 4

Team: Dec15-13
Date: 2/16/15
Advisor: George Amariucai
Project: Ad Hoc Mobile Network
Members: Cole Cummings (Team Leader)
               Holden Rehg
               Cody Lougee
               Ethan Niemeyer

Summary

This week we continued research on DSR and security protocols. We set up Android Studio for everyone and got some initial commits and demos that use Wifi Direct. Holden found some documentation about WiFi Direct that shows we may have some problems setting up an ad hoc network with it.

Group Meeting Notes

Most of the meeting was getting everyone set up in Android Studio, discussed security protocols and looked for some demos online

Advisor Meeting Notes

At the meeting, the group shared the status of our research into wifi direct and what information we could learn from the Serval app. After sharing our status, we decided on our next course of action. We decided that we should start creating a basic app and see what we could do with wifi direct.

Accomplishments

Got 2 devices to communicate using Direct WiFi.

Plans For Next Week

Look into possible alternatives to WiFi Direct and try to solve issues

Pending Issues

WiFi direct can only have one connection at a time and all connections must be approved by the user, this may limit its usability for an ad-hoc network

Individual Contribution

Team Member	Hours	Descriptions
Cole Cummings	4	Research, set up Android Wifi Direct demo and tested it
Holden Rehg	4	Research, android prototyping
Cody Lougee	4	Researched and experimented with wifi direct.
Ethan Niemeyer	4	Research into security protocols of serval/related projects, android experimentation

Total Contribution

Team Member	Hours
Cole Cummings	11
Holden Rehg	12
Cody Lougee	13
Ethan Niemeyer	12