EE/CprE/SE 492 WEEKLY REPORT 02

August 31st – September 14th

Group number: 12

Project title: Fleet Monitoring System

Client &/Advisor: Lofti Ben Othmane

Team Members/Role:

Lorenzo Chavarria − Front End

Marco Yepez − Embedded Device

Nicolas De La Cruz − Server & Database

Joe Herrera − Mobile Development

Bi-Weekly Summary

We used this time to get back to reviewing what needs to be done and set a plan of when to meet and what needs to be done. Nicolas researched about broadcasting sockets and started implementing a prototype for the project. Marco implemented a solution to repair the corrupt OS from last semester. After talking to our advisor, we agreed that we would use other's 339 OS from previous students. Lorenzo switched over to mobile development. He started looking at the current code and set up the app on his device. He also met with Joe to discuss ideas. Joe hosted a meeting about possible features that an android application could implement to create a functional application for end of year demo.

Past Week Accomplishments

- Marco
  - Replaced SD card from previous semester and configured OS so pi can be running program without any issues
  - Configuring VPN
- Nicolas:
  - Researched broadcasting sockets
  - Started development of NodeJS broadcasting socket
- Joe:
  - Installed and ran the current version of the android app
  - Met with team to determine what further features will need to be implemented
- Lorenzo:
  - Reviewed Mobile code and got the app running on device
  - Met with Joe to discuss android app

Pending Issues

Individual contributions

Name	Contribution	Hours for Bi-Week	Hours Cumulative
Marco Yepez	Replaced SD with a non-corrupt OS and began configuring VPN	6	9
Joe Herrera	Created a list of possible features and	6	9

	met with team to determine what features to implement to have a functional application for the end of year demo.		
Nicolas De La Cruz	Researched broadcasting sockets. Started development of NodeJS broadcasting socket	6	9
Lorenzo Chavarria	Set up a mobile app on device and discussed ideas with Joe.	6	9

Pending issues

Marco

No issues at the moment.

Joe

No issues at the moment.

Nicolas:

No issues at the moment.

Lorenzo:

No issues at the moment.

Plans for Upcoming Week(s)

Marco

- Transition myself to Android

Joe

- Chat with our advisor about the features my team wants to implement for the android application.

Nicolas

- Complete a working prototype for broadcasting data to all connected clients.

Lorenzo

- Start to work on a new feature in the android app.