EE/CprE/SE 491 WEEKLY REPORT 3

February 17th, 2020 – February 29th, 2020

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

The team's objective for this report was to start implementation from the design previously done for the design document. Server side deployed web server routes for OBD vehicle status and vehicle GPS status using NodeJS. Embedded systems were able to mostly refactor the inherited code. Web-dev created our first design for the different views of the web application, which were approved by our stakeholder. A theme for the android app was agreed upon along with rough sketches for the whole app.

Individual contributions

Name	Contribution	Hours This Week	Hours Cumulative
Marco Yepez	Researched OBD II queries; Adjusted code using simulator; Ran code on vehicle	9	25
Joe Herrera	Worked on the first version of design for the android application. Modified the design.	11	24
Nic De La Cruz	Create NodeJS server and MongoDB database	8	22
Lorenzo Chavarria	Worked on creating a design for the different views of web application. Also started the login page.	8	21

Pending issues

Marco

(No issues)

Joe

- No Issues

Nicolas:

- Need to understand how to create a service for Ubuntu to start the server on reboot.

Lorenzo:

- No issues.

Plans for Upcoming Week(s)

Marco

Need to create API code files and connect to server

Joe

Finish up the design for the android login/sign-up pages and replicate the design on android studio.

Nicolas

Create service to start web server on reboot. Finish the routes for login and sign up.

Lorenzo

Create a login and signup page for the web application.