EE/CprE/SE 491 WEEKLY REPORT 4

February 29th, 2020 – March 13th, 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 begin the implementation of communicating data between embedded system, server, and mobile app. Server side created new API routes for OBD and GPS location and refactored routes for scalability and more industry standard format. Embedded systems were able to finish refactoring and send information to the server. Web-dev created log-in and sign-up pages for the web-application. Mobile application succeeded in making a connection with the server and pulling data to be displayed to the user on mobile.

Individual contributions

Name	Contribution	Hours This Week	Hours Cumulative
Marco Yepez	Researched OBD II queries; Adjusted code using simulator; Ran code on vehicle	9	34
Joe Herrera	Continue to modify the mobile app design. Implemented communication with the server.	10	34
Nic De La Cruz	Implemented routes for OBD vehicle status and GPS location. Refactored API to a more scalable version.	9	31
Lorenzo Chavarria	Created log-in and sign-up pages for our web-application.	9	30

Pending issues

Marco

(No issues)

Joe

- No Issues

Nicolas:

- No issues.

Lorenzo:

- No issues.

Plans for Upcoming Week(s)

Marco

Do research on how the user inputs for the device.

Joe

Implemented the design of the login/sign up screen using android studio. Possibly implement some functionality of the login/sign up pages.

Nicolas

Implement remaining API routes. Migrate towards AWS. Look into microservices.

Lorenzo

Make sure log-in and sign-up are authenticated by the web server and have a use-case working from getting car information from the server.