

EE/CprE/SE 491 - sdmay18-18

Fleet Monitoring System

Week 9-10 Report

3/8 - 3/21

Client/Faculty Advisor: Lotfi Ben-Othmane

Team Members:

Venecia Alvarez - Point of Contact
Kendall Berner - Project Manager
Matthew Fuhrmann - Report Manager
William Fuhrmann - Test Engineer
Anthony Guss - Technical Lead
Tyler Hartsock - Web Manager

Past Two Week Accomplishments

Note: our group did not schedule any work to be done over spring break and did not work on our project for that week.

- Preparation for Updates - Venecia
 - Reviewed server code and made changes in preparation for future update.
- Preparing Front-End To Use New APIs - Kendall
 - Set up client code with server calls for endpoints currently in development.
- Adding Server Statistic Endpoints for Fleet Managers- Anthony
 - Worked with front-end on creating APIs and model objects for statistics that the fleet manager can choose to use.
- Deployment of R Code - Will
 - Tried to deploy R code to work with server, but wasn't able to get it working.
- Illness- Tyler
 - Has been ill recently, which has prevented him from working
- Raspberry Pi API Update - Matt
 - Worked on updating to the new API for sending PID data.

Individual Contributions

Team Member	Contribution	Hours for Current Report	Total Hours
Venecia Alvarez	Preparation for Updates	3.5	83
Kendall Berner	Preparing Front-End To Use New APIs	3	81
Matthew Fuhrmann	Raspberry Pi API Update	3	110
William Fuhrmann	Deployment of R Code	3	80.25
Anthony Guss	Adding Server Statistic Endpoints for Fleet Managers	6	93.25
Tyler Hartsock	Illness	0	55.5

Plans for Next Two Weeks

- Raspberry Pi - Matt
 - Add testing capability for mocking hardware elements.
 - Add automatic deployment of changes.
 - Create installation procedure and instructions, user documentation, and update design documentation.
- Server - Will, AJ, Matt
 - Work to develop API for choosing which statistics the fleet managers want and connecting that to PID requests.
 - Begin designing framework for statistics calculation extensions to the server.
 - Update R statistics prototype to work with new schema.
- Front-end - Tyler, Kendall, Venecia
 - Finalize website code.
 - Work with server team for developing API for statistics selection.
 - Update to work with new statistics.