EE/CprE/SE 491 - sdmay18-18

Fleet Monitoring System

Week 13-14 Report

4/5 - 4/18

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

- Updated website to use new APIs, website testing - Venecia
    - Updated website to use new APIs, finishing the edit fleet and edit view pages.
    - Website testing
    - Poster work
- Added new Engine Load and Engine Temp charts - Kendall
    - Reimplemented local storage backups
    - Created Engine Load and Temp charts
    - Poster work
- Finishing API Creation - Anthony
    - Finished API Creation for Front-end and Raspberry Pi
    - Poster work
- R Server Code Completion- Will
    - Completed R Server code prototype, although it will not make the final project
    - Poster work
- No Report- Tyler
    - Tyler did not supply a report, as of so far, for this time.
- Raspberry Pi Completion - Matt
    - Installed new Raspberry Pi code onto the device.

- ○ Tested Raspberry Pi features, fixed some bugs with nested JSON in the API calls.
- ○ Added statistics calculation and PID mapping for engine temperature and engine load.
- ○ Poster work

Individual Contributions

Team Member	Contribution	Hours for Current Report	Total Hours
Venecia Alvarez	Updated website to use new APIs, website testing	8	94.5
Kendall Berner	Added new Engine Load and Engine Temp charts	10	94
Matthew Fuhrmann	Raspberry Pi Completion	15	131
William Fuhrmann	R Server Code Completion	7	91.25
Anthony Guss	Finishing API Creation	12	108.25
Tyler Hartsock	No Report	0	58.5

Plans for Next Two Weeks

Prepare the final report and presentation.