Sprint 1 – Quick meetings

1. Scrum meeting on 2022/08/12 @ 15:00

Summary:

We met to create issues for our first official sprint.

Task assignment:

Van Niekerk:

Issue #12: Extend the kinetic model.
Issue #25: Energy usage calculations using fuel consumption.
Issue #29: Obtain mass air flow data to implement a fuel consumption model.
Issue #30: Use a Web API to determine altitude.

Tristan:

Issue #10: Change local DB updating to App Service.
Issue #24: Expand Data Acquisition for multiple devices.
Issue #32: Add Device IDs.

Nicolas:

Issue #20: Modify the UX of the main page.
Issue #22: Modify the UX of the admin page.
Issue #16: Modify the UX of the login page.
Issue #17: Modify the UX of the register page.

Ivan:

Issue #6: Extend Revise the driver service.
Issue #27: Implement HTTP 2 in a local server environment.

2. Scrum meeting on 2022/08/17 @ 15:00

Summary:

We met to monitor the progress of all the members. Nicolas and Van Niekerk talked about how to integrate their sections and worked on it after the meeting. The group collected data by inserting the FMB003 device, received from Prof Nixon, into a vehicle. Tristan and Van Niekerk spoke about trying to connect the telematic device to the Flespi server. They reported that they only managed to connect it via Bluetooth to a computer. Ivan said that he is only managing to set up the HTTP 2 server locally and that it is not deploying to Heroku.

3. Scrum meeting on 2022/08/19 @ 14:00

Summary:

We finalized sprint 1 and created a release. Nicolas completed modifications of all front-end pages, however more modifications are needed. He also implemented a scroll down button that is linked to the drivers in the system for future use. Van Niekerk completed two of his four assigned tasks. He mentioned that he coded the fuel consumption model, but the data that was collected on Wednesday did not contain the mass air flow rate which is needed to fully test and implement this model. Tristan obtained a connection to a physical device allowing a method of data collection to be tested and ensuring the data was accessible within the database. Ivan implemented HTTP 2 on the local server. He tried to deploy to heroku but could not due to requiring legitimate SSL certificates which could not be obtained. Ivan extended the driver service to allow for device changing

incase of issues with a link driver device.