

WEEKLY REPORT and MEETING AGENDA

Report #:3
Date:3/07/2022

Project Name: vBox: Vehicle BlackBox
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Agenda for the weekly meeting

1. Investigate good materials for 3D printing
2. Look into better 3D model designs that would satisfy our design needs(robust and compact)
3. Establish connections between software front end and cloud database(back end).
4. View OBD results on the web platform

Accomplishments during this period

1. Made significant progress with designing the dashboard that the users see.
2. Established connection from React app to AWS Amplify to host web app online
3. Created testing script to push data into dynamoDB
4. Planning out lambda functions and API gateway
5. Successfully installed the Raspi OS
6. Successfully established connection between OBD port, Raspi and obtain preliminary data log

Plans for next period

1. Continue Research into the format of data we are going to obtain from our prototype
2. Keep researching an optimal solution to the hull of the prototype
3. Work on the software interaction with web application
4. Assemble the parts together if the parts can arrive by next period

Project management status

1. Regular meeting on Monday
2. Meet with Professor should there be any confusion and need for help
3. Regularly updated Google Shared Drive
4. Regularly updated project github

Minutes from previous meeting

We went over how to establish a simple connection from OBD to the Web platform. We will continue building on the design by soldering newer parts, while also organizing data on dynamoDB. Lastly, as the parts are coming together on the Raspi, we will modify our hull design to begin solidworks preparation.