

WEEKLY REPORT and MEETING AGENDA

Report #:5
Date: 4/11/2022

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

1. Ensure data retrieval and complete visualization on the front end
2. Ensure data algorithm is set up before adding to the backend
3. Ensure case design is finalized before end of the week

Accomplishments during this period

1. Updated the database with the real data, added latitude and longitude as new columns to the vehicle information table.
2. Modified the lambda function to return delta acceleration with addition of latitude and longitude to the front end
3. Added points and straight lines connecting the points to the google maps map, and sorted a few things out
4. Gathered real test data
5. Assembled the camera & tested camera
6. Started adding code for the integration of the camera
7. Initiated 3-D design for

Plans for next period

1. Embed the returned data into the front end. Work on the algorithm to detect sudden brakes and accelerations from the delta acceleration data.
2. Add all of the GPS coordinates to the graph and display all of them. Also, to add a video player widget to the website
3. Ensure final output csv file and camera recording. Work in script to upload data to the database

Project management status

1. Finish Critical Design Review and Presentation. Templates on the Drive
2. Regular meeting on Tuesday
3. Meet with Professor should there be any confusion and need for help
4. Regularly updated Google Shared Drive
5. Regularly updated project github

Minutes from previous meeting

We went over the details of previous development stages and created a comprehensive project CDR along with the presentation.

We went over the needs and solutions to embed google map API data to the output file.

We went over the design timeline and expected delivery time of our project.

We tested and discussed the front-end, determined how to improve the appearance and debug the application to enhance user experience.

Lastly, we talked about ways of adding gps information to the output file of the blackbox.

