
EE/CprE/SE 491 WEEKLY REPORT 4

Start Date – End Date Group

number: 44

Project title: FixIt

Client &/Advisor: Berk Gulmezoglu

Team Members/Role: Benjamin Muslic, Jonathan Duron, Mohammed Elaagip, William Griner

○ **Weekly Summary**

Ben found out it is actually quite difficult to write code to decipher DTC codes. Also, it is easier to use a pre-built ELM327 interface that supports Bluetooth. He has spent time researching into his and coming up with a conclusion on what to do next. Although he was very busy with other things and midterms.

Jonathan has started to develop the UI for this project. I have started to play around with our react native app and have the emulator setup correctly for IOS and Android devices.

Will has been assisting on UI design and researching potential cloud usage

○ **Past week accomplishments** □

Benjamin Muslic

Found out how to proceed with his findings with the hardware and how to test. Gained possession of new hardware device to communicate with microcontroller.

Jonathan Duron

Debugged the error that was happening when running the react native app.

Mohamed Elaagip

Continuing on UI design

William Griner

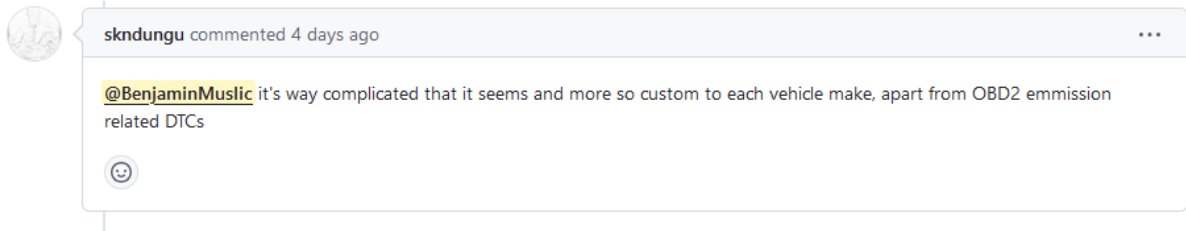
Assisted in finalizing UI designs

researched how to set up AWS VPCs, enabling cloud resources to only traffic from trusted IPs

○ Pending issues

Benjamin Muslic

Extracting DTC codes is more complicated then it seems as it varies by manufacturer.



○ Individual contributions

<u>NAME</u>	<u>Individual Contributions</u> <i>(Quick list of contributions. This should be short.)</i>	<u>Hours this week</u>	<u>HOURS cumulative</u>
Benjamn Muslic	<ul style="list-style-type: none">• Further research and investigation• New hardware	3	33
Jonathan Duron	React native cli UI Development	4	24
Mohamed Elaagip	UI Design first draft	2	30

William Griner	UI Design first draft researched networking within AWS	3	28
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○ Comments and extended discussion *(Optional)*

Feel free to discuss non-technical issues related to your project.

Plans for the upcoming week

Benjamin Muslic

Continue developing hardware and look into getting the required info to transmit to the user's phone. Start refreshing 3d printing skills to print a housing for the hardware if needed.

Mohamed Elaagip:

Continue getting feedback from team mates on UI and start helping with other efforts like backend, frontend, and hardware.

Jonathan – Finish development for the two screens design and have them display on physical iPhone and android devices and research how to distribute the app within just the group members.

William –

Continue assisting on UI design as necessary

Familiarize myself with the front-end code so I have a solid idea of the overall project

Continue backend development