

EE/CprE/SE 4920 WEEKLY REPORT 2
number: 44

Project title: FixIt

Client &/Advisor: Berk Gulmezoglu

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

Weekly Summary

This week the team has started to get back into the groove of things and refresh our memory from last semester. We have met with our advisor and our team in person to discuss some key goals to focus on for the semester.

Goals we have discussed:

Goals

4/17 HARD DEADLINE PROJECT FINISHED

Smart Goal 2/4 - 4/25

1. User to be able to type in make model and other details. User types car details
DEADLINE 2/26

Have one demo user, maybe list of all the cars they have. Get all the information from user like last oil change etc . Give info of car. Allow the user input all the relative car details he has.

2. User can ask for maintenance insight to the AI for their specific car DEADLINE 3/20

AI mechanic chat box where the user can ask maintance advice on their vehicle that they have pressed.

3. User can use OBD hardware. DEADLINE 4/17

Want AI to extract the code and send it to the AI to give the analysis. Get a code from check engine and get an analysis of what it means and what it takes to fix

4. Have everyone with the same enviroment. Deadline 4/11

Past week accomplishments

Benjamin Muslic

- Refreshed knowledge on LLM's from undergrad research
- Discovered interesting features in mechanic grade OBD scanner
- Identified flaws that FixIt can account for

Jonathan Duron

- Adjusted the UI for the AI response for users
- Learned how to run app on android devices
- Communicated with teammates to setup a plan to get them to run the app on their environment

Mohamed Elaagip

- Supported Jon with UI work
- Tested on my android device
- Working on a plan to set up running app on different OS

William Griner

- Working on introducing the rest of our features on backend

Pending issues

- Figuring out schedules
- Testing (Ben's car does not have check engine light anymore for official vehicle testing)
- Setting up identical environments

○ 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>
Benjamin Muslic	<ul style="list-style-type: none">• OBD experimentation• Goal setting	5	64
Jonathan Duron	<ul style="list-style-type: none">• Goal setting• Tinker with UI on FixIT• Tinker with android	4	68
Mohamed Elaagip	<ul style="list-style-type: none">• Support Jon with UI work• Work with react native	5	64
William Griner	<ul style="list-style-type: none">• Support team with tasks• Continue working on backend	5	65

Plans for the upcoming week

Benjamin Muslic

- Make some adjustments to OBD C code for better clarity
- Understand more other teammates environments

Mohamed Elaagip:

- Assist Jon with Frontend work
- Assist Will with Backend work

Jonathan Duron

- Get everyone's environment set up correctly
- Start allowing users input to get a more accurate answer from the LLM

William Griner

- Assist team with tasks as they come up
- Continue working on Backend