
EE/CprE/SE 491 WEEKLY REPORT 3

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

(All the above information should be there in each weekly report. The format/color scheme etc need not be the same. However, please remove everything that is in a bracket from your final submission. These are just part of the template and need not be a part of the report.)

- **Weekly Summary** (Short summary about what the group did for the week. This should be about a paragraph in length. These are just a few questions to help you get started. What was the overall objective for the week? In general, what tasks were completed? Were there any changes made to the project?)

Ben was able to decipher some can packets coming in from his car to get live data such as coolant temp, rpm, mass air flow rate, etc.

- **Past week accomplishments** (Please describe/summarize as to what was done, by whom, when and, collectively as a group. This should be about a paragraph or two in length. Bulleted points are acceptable as well. Please keep only your technical details related to your project. Figures, schematics, flow diagrams, pseudocode, and project related results are acceptable, but please ensure that they are legible (clear enough to read) and to provide an explanation. If researching a topic, please add a few details about what was learned and how it is relevant to the project. If two or more people worked on a single task, be sure to distinguish how each member contributed to the task. Specific details relating to the assistance provided to other members may be included here. **Do not include classwork, such as individual reflection assignments, and group meetings as part of your duties.**) □ Team

Benjamin Muslic

Ben continued to work on his hw integration and trying to decipher to faulty codes that are present within the car. He spent a lot of time debugging an issue where there was no communication at all but it turns out he shorted what of his MCP2515 CAN bus module boards somehow. He will then try to learn how the Bluetooth module works so it can transmit to our app.

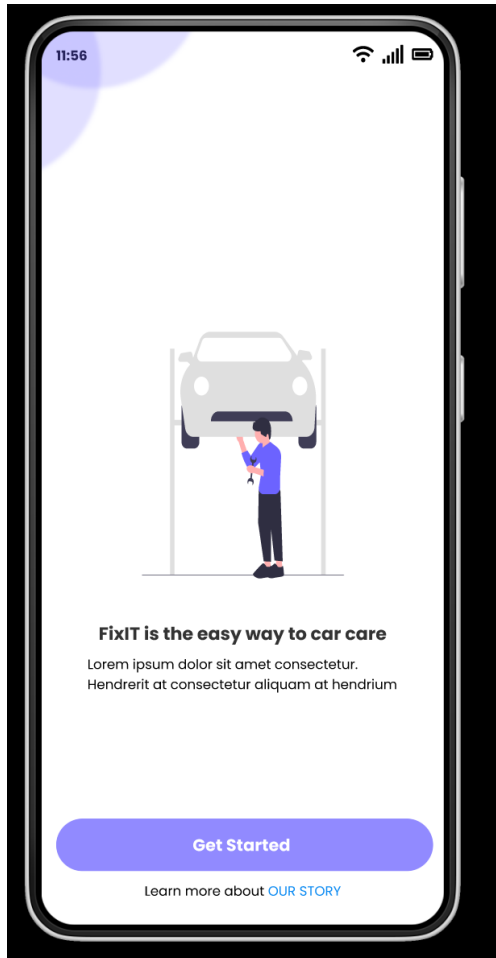
```
Calculated engine load = 22.75 %  
Engine coolant temperature = 86.00 °C  
Engine RPM = 609.00 rpm  
Vehicle speed = 0.00 km/h  
Intake air temperature = 69.00 °C  
MAF air flow rate = 3.05 grams/sec  
Throttle position = 12.16 %  
Run time since engine start = 173.00 seconds
```

Jonathan Duron

Jonathan ended up figuring out the solution with the error that was going on with the environment not running. The error he discovered had to do with the version on node I was using. I also discovered some dependencies that can help us implement some bluetooth capabilities to this project.

Mohamed Elaagip

Came up with initial UI drafts



11:56



Welcome Onboard!

Let's help you with your car.

Enter your full name

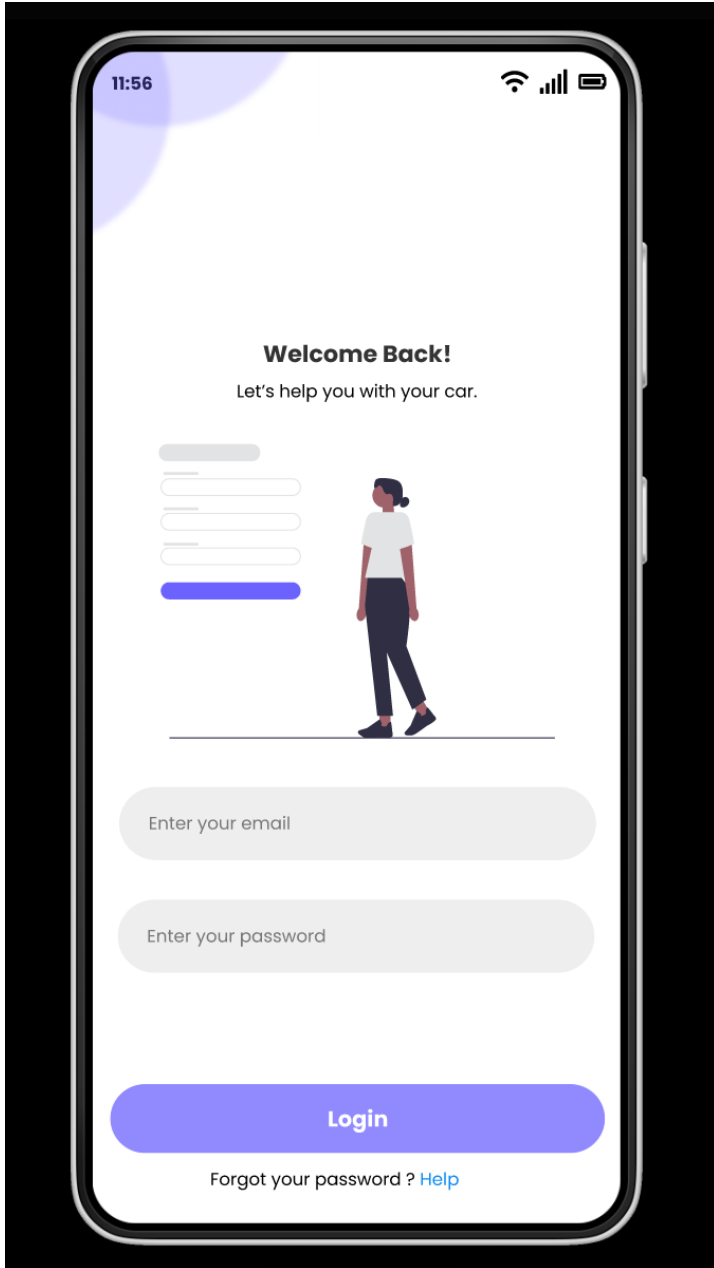
Enter your email

Enter your password

Repeat your password

Register

Already have an account ? [Sign In](#)



William Griner

Collaborated with our frontend team members and gave them feedback researched any use cases we might have for cloud computing, such a database, s3, login / auth, or any compute power needed.

- Pending issues (If applicable: Were there any unexpected complications? Please elaborate.)

Benjamin Music

Having intermittent loss of communication. The microcontroller could be defective. MCP2515 CAN bus module boards prone to shorting.

- **Individual contributions** (Creating this section is optional, but it is **Required to include the “Hours Worked for the Week” and their “Total Cumulative Hours” for the project for each member somewhere relevant in your report. Your individual weekly hours should be at a minimum of 6-8 hours for this course. So please manage your time well. Also, ensure that individual contributions support your claim to the weekly hours. Be honest with the reports.**)

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<u>NAME</u>	<u>Individual Contributions</u> (Quick list of contributions. This should be short.)	<u>Hours this week</u>	<u>HOURS cumulative</u>
Benjaimn Muslic	<ul style="list-style-type: none"> • CAN access • Gathering required hardware 	9	30
Jonathan Duron	React native cli setup	7	20
Mohamed Elaagip	UI Design first draft	6	28

William Griner	Gave team members feedback, researched cloud computing use cases	2	25
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- **Comments and extended discussion** (Optional)
Feel free to discuss non-technical issues related to your project.

- **Mohamed Elaagip:**
- I really enjoyed the UI design process and gathering information regarding it.

Plans for the upcoming week (Please describe duties for the upcoming week for each member. What is(are) the task(s)?, Who will contribute to it? Be as concise as possible.) □

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.

- **Mohamed Elaagip:**
- Continue iterating over UI design and come up with parts of home page.

**Jonathan – Start developing UI that we agree upon, using the environment that I have set up.
The goal is to have two screens setup and working correctly.**

William – write python test cases that are more thorough, research how to securely set up our cloud resources, research cloud pricing, and finalize our thoughts on what we want from the cloud.

- **Summary of weekly advisor meeting** *(If applicable/optional)*
(Provide a concise summary on the contents and progress made during the advisor meeting.)

We did not meet due to conflict of schedules.

Grading criteria

Each weekly report is worth 10 points. Scores will be awarded as follows:

- **8 – 10:** Progress for your project seems to be suitable. Documentation and hours reported by team members are adequate.
- **6 – 8:** There is scope of improvement both in your report and your project progress. Can consult with instructor/TA after class for further inputs.
- **< 6:** Please talk to instructors/TA after class hours about any difficulties that you/your team is facing.

Each weekly report should be unique in that they have a unique set of supporting details for your contributions. So please do not just copy your reports from the previous week. In addition, please avoid any personal pronouns (he, she, I, you). Try to keep your reports as neat as possible.