

CprE 491 WEEKLY REPORT 06
10/18 – 10/24

Group number: 8

Project title: Race of Doom

Client &/Advisor: Dr Bigelow

Team Members/Role: Alex Crandall, Wesley Jansen, Elizabeth Schmitt, Ben Towle, Lalitha Vattyam

- **Weekly Summary**

This week we met up with Dr. Bigelow to clarify some questions that we had with the raspberry pi and it's blue-tooth latency. During this meeting we were also able to confirm with him about the parts that we ordered with ETG and got confirmation with them as well that our parts are ready to be picked up. As the weekend rolls around, we will start focusing on disassembling the car and begin adding the components we ordered onto it.

- **Past week accomplishments**

- Team Member 1: Alex Crandall: I worked with Ben to make the hardware high-level design using the background of previous years projects but changing the sensors components to match our project idea.
- Team Member 2: Wesley Jansen: I worked with Liz to make sure we have a well thought out plan on how to mount the sensors and raspberry pi onto the car to save space and make sure everything is accessible.
- Team Member 3: Elizabeth Schmitt: I was working with Wes this week to come up with a layout for how we should rebuild our car using the new components that we pick up from ETG.
- Team Member 4: Benjamin Towle: I worked alongside Alex to come up with an implementable hardware, high-level schematic that would be used for connecting our sensors to the raspberry pi.
- Team Member 5: Lalith Vattyam: I made sure to understand the high-level schematic and hardware implementation of the car before we remove parts in the upcoming week.

- **Pending issues**

We currently don't have any issues that are pending. We are primarily shifting gears to make sure that the overall components of the car are built in a modular way with the correct hardware inputs.

- **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>
Alex Crandall	Worked with Lalith to understand the current hardware implementation and Ben to come up with a way to implement our car with the ordered components.	5	34
Wesley Jansen	Came up with a proposed plan on the physical layout of the components on the car	6	33
Elizabeth Schmitt	Worked with Wes to come up with an efficient physical layout of the new components on our car in order to make sure everything is accessible and easy to modify.	6	33
Ben Towle	Coordinated with getting the components confirmed with ETG, along with working with Alex to make high-level schematic with a proposed plan on constructing the car	6	34
Lalitha Vattiyam	Understood high-level schematic of the car and understood hardware implementation of the car at its current state.	6	33

***Starting cumulative hours count on weekly report #1**

- **Plans for the upcoming week**

- Alex Crandall – Come up with hardware schematic design for breadboard implementation
- Wesley – Take care of raspberry pi implementation
- Elizabeth – Take care of raspberry pi implementation
- Ben – Sensor implementation on the car
- Lalith – Sensor implementation on the car

- **Summary of weekly advisor meeting**

During our bi-weekly meeting, we were able to discuss with Dr. Bigelow on the use of the raspberry pi's blue-tooth latency. We also were able to talk about how to mount the different sensors on the car to make sure that they work efficiently.