

Team 22

Project Title: Rabbit

Date: 10/7/21

Member role this week:

- Samuel Fuller – Research
- Ben Dunkerton- Research
- Marshall Bozo- Research React Native and the app
- Lars Lofquist- Compile list of parts we need to buy
- Darron - Research computer vision
- Kevin Scanlon - Research and make the slides for the presentation
- Darrshen - look into how to connect all the microcontrollers

What we've accomplished in the past week/what we've been researching

- Samuel Fuller – researched how much power is needed to run the car and processors for an extended period of time.
- Ben Dunkerton- worked on the project plan assignment, looking into computer vision more
- Marshall - Got started playing with React Native
- Lars - Acquired a traxxas car to use as a test mule, researched microcontrollers & necessary hardware for controlling the car
- Darron - outlined most the course assignments the team has to do this semester
- Kevin Scanlon - made the slides for the last lightning talk
- Darrshen - We need to use low power Bluetooth if we use Bluetooth

What we're planning to do in the coming week

- Samuel Fuller – Help make the design presentation, Look into a computer vision model to use
- Ben Dunkerton- Help make lightning talk, help make the design presentation, look into designing a platform to attach the microcontrollers to the car
- Marshall - Help make lightning talk, help make the design presentation, continue looking into the app and look into a microphone for the car
- Lars - Bring traxxas car into the lab & take measurements on control voltage/method, help make the design presentation

-Darron - Help make lightning talk, help make the design presentation, Research a computer vision model to use for line detection

-Kevin Scanlon - Help make lightning talk, help make the design presentation, look into the app and how it will connect to the car thru bluetooth

-Darrshen - Help make lightning talk, help make the design presentation, Look into what we'll need to connect the parts of the car together

Issues we had in the previous week

-Samuel Fuller – Power consumption could be a larger issue than we thought.

-Ben Dunkerton- How are we gonna be able to keep track of our speed.

-Marshall - React Native should be a good way to make a cross-compatible app after learning it.

-Lars - Powering multiple devices simultaneously may be problematic from one power source

-Darron - Should we have an easily accessible large OFF button as a failsafe.

-Kevin Scanlon- How do we prioritize the essential features from the features we want to have.

-Darrshen - Can an Arduino give a high enough PWM signal to power motors and steering servo.

The team as a whole- getting feedback from our client