

## **EE/CprE/SE 491 WEEKLY REPORT 5**

02/27/24 - 03/5/24

Group number: 22

Project title: CyRide Visualization

Client: Mohammed Soliman

Advisor: Mohamed Selim

Team Members & Role:

Bradon Buckalew: Programmer

Endi Odobasic: Programmer

Evan Schlarmann: Programmer

Andrew McMahon: Programmer

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### **Week Summary**

This week, we built off our breakdown of functionalities that we created to get a better baseline for how our project can be split up. Now, we split them into more feasible tasks that way we can have jobs for everyone to work on to stay involved and working. In addition, we added more wireframing to our original project so that we could have a better idea of what all the screens might look like and that we would consider. Moreover, we all got more familiar with our tech stack and how exactly our project might be working together to get the data we want from the UE technology provided by our client and advisor.

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### **Accomplishments**

The software components were broken down into smaller tasks. These tasks describe the criteria the software must meet and what that provides for the application. The tasks are smaller chunks of functionality, so group members can be assigned or take them to complete by themselves. This also gives the team a deeper understanding of the project requirements and how we may achieve them efficiently.

Learning more about the project goals, our team has continued to refine the flow chart and figma design. This gives a goal for what will need to be created and how the application will work given different user needs. It provides a basis for when we start creating prototypes and how the project may change in the future to add more functionality.

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## Pending Issues

None

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## Individual Contributions

<u>NAME</u>	<u>Individual Contributions</u>	<u>Description</u>	<u>Week Hours</u>	<u>Cum. Hours</u>
Evan Schlarmann	1) Broke up components into Tasks 2) Added Figma screens 3) Tech Stack	1) Broke up components from the previous week's breakdown into possible tasks that can be assigned. These tasks specify the criteria for completing the task and how it should function. 2) Added more Figma screens of the project that are prototypes of what will be created for the user interface. 3) Researched and practiced with the tech stack to better understand Python and React frameworks.	7	23
Braden Buckalew	1) Flow diagram adjustments 2) Componentized Figma Screen 3) Gantt Chart Update	1) Worked on reworking the Flow Diagram to match with our client's needs with how a user could interact with our Web App 2) Started on organizing our Figma screens for scaling and making our new screens easier to edit 3) Reworked Gantt Chart to accommodate time for the fall	6	15
Endi Odobasic	1) Tech Stack 2) Location and Signal	1) Researched and got more hands on into our tech stack to get a better grasp of the languages and how they work together. 2) Researched into how we might obtain the data for bus locations such as longitude, latitude, and signal strengths. Data may be formatted through a variety of approaches such as JSON, tables, or whatnot. There will be API requests made to	7	20

		handle data needed for locations and signals.		
Andrew McMahon	1) Updated team website	Updated team website with names, project info, and all relevant files.	4	14

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## Plans For the Upcoming Week

- Refine the Figma Design + Project Components
  - Due: 03/26/2024
  - We have completed our Figma Design and Project Components, but we would like to refine them so that they are more clean and clear. Of course more detail is important so anywhere we can better describe a task or show off a design we would like to be as improving as we can.
- Start Prototype
  - Due: 03/26/2024
  - Take tasks from the project components and start working on a simple prototype so that we can have a bus load from coordinate data onto a map.

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## Weekly Client/Advisor Meeting Summary

We met with our client and were able to show off greater updates to our project, such as the workflow diagram, wireframing, and project setup. He was pleased with everything we had done as we could not meet the week prior. There were still some comprehensive aspects of the project we were missing that our client thought could be improved, so his input really allowed us to grasp exactly what he was looking for in this project. This had to do with our wireframing prototype and workflow, but after clarifying everything, we came out of the meeting more confident and understanding. During this meeting, we asked many more questions regarding the project, such as database management, and also got more clarification on the kind of data we were processing. As meetings continue, we plan to keep learning and refining our project to our best abilities.