Group number: 10
Project title: "Visualizing Probabilistic Whereabouts of Moving Objects"
Client &/Advisor: Goce Trajcevski

Team Members/Role:
Nathan Thoms - Team Lead & Frontend Developer
Mara Prochaska - Backend Developer
Eric Jorgensen - Documentation
Ryan Cook - Fullstack Developer

Report Summary

This week we are continuing to make progress towards our goal of completing a preliminary prototype for user login functionality. We are striving to accomplish the following functionality before semester end – accept user input (i.e. username & password), pass the credentials to the backend, store and retrieve user credentials from the database, and send a message back to the user based on authentication results.

This is by no means a final product, but a demonstration of having placed effort into the project setup. It shows that the codebase has been set up and that the frontend, backend, and database are all set up and ready to be developed.

Accomplishments

Thus far in the implementation process we have achieved the following:

- Reserved a VM from ETG
    - Logged into the VM given the credentials they served us
- Initialized GIT repository for our project.
    - Created two sub-folders that we will be working out of

- - ■ Frontend
  - ■ Backend
- Frontend Setup
  - ○ Installed the required packages for frontend framework and development
    - ■ NodeJS
    - ■ Vue
    - ■ CLI - development tool for Vue
- Created login UI component for login/signup demonstration – shown in the figure below.

Figure 1 - Login UI Component Prototype

Other Accomplishments:

- Working towards version 1 of our final design document
  - Completed Testing, Implementation, and Additional Sections
- Created a logo for our application – shown below.

Figure 2 - Logo Prototype

Pending Issues

There are currently no pending issues for this week.

Individual Contributions

Team Member	Individual Contribution	Hours this Week	Hours Cumulative
Nathan Thoms	Setup frontend framework & development tools, prototyped logo, developed UI component for login/signup	11	60
Mara Prochaska	Updated team website and formatting for Design Doc V1	7	48.5
Eric Jorgensen	Design Doc V1	2	33
Ryan Cook	Set up gitlab for frontend and backend created	5	42

	backend project		

Upcoming Plans

We are going to be working towards setting up the backend and database to handle web API calls from the frontend to the backend and serve and store user information submitted from the frontend. We also plan to complete slides for our final presentation during prep week.

Action Items

Team Member	Individual Goals	Estimated Hours
Nathan Thoms	Look into Vuetify, a set of pre-built UI styles to aid in the creation of aesthetic UI components.	6
Mara Prochaska	Wrok on backend prototype for demo, finalize website details	6
Eric Jorgensen	Final presentation slides	5
Ryan Cook	Lookin to and set up VM to run frontend and backend	4

Advisor Meeting Summary

During this meeting, we mainly just received feedback for our final design document draft, which took a significant amount of time. We were also able to continue discussing presentation best practices and slide design for our final presentation.