

Bi-Weekly Status Report

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Bi-Weekly Summary

Over the past two weeks, we have completed several tasks. The first task we completed was meeting with our faculty mentor, Dr. Goce Trajcevski, in order to further solidify our project idea. Through discussion with Dr. Trajcevski, we realized that we needed to gain a better understanding of the specific problems our project will solve. This lead us to start creating specific use cases and scenarios for our project in order to effectively display the purpose of our project. Another task that we completed was updating our team website and assigning team roles, as well as submitting the lightning talk assignment. Finally, we continued research on the technologies and libraries we will be using in our project.

Individual Contributions

Name	Contribution	Weekly Hours	Total Hours
Michael Davis	Created a personalized docker image to understand how to use docker. Devised a main scenario statement. Worked on the lightning talk with the team as well as brainstorming as well as use case and scenario development.	6,6	28
Lily Krohn	Created a sample react app in order to brush up on props and components, read more about Monaco and its features that we may want to use in our project. Completed the lightning talk 1 with team.	6, 6	27
Chris Lopez	Researched and spent time learning about the backend technologies that we are planning on using for our project. Further discussed and solidified ideas on design and usage. Also, explored the other teammates' initial experiments.	7, 6	26
Kyle Marek	Further learning about ReactJs and the implementation of the Monaco Editor within our project. Had a group meeting with Dr. Goce Trajcevski to learn about future work for the next few weeks. Started developing scenarios for the basic use of our project as well as thinking about loose ends. Completed the first lightning talk as well as the second bi-weekly reflection.	8, 7	30
Zachary Mohling	Continued learning about our primary backend language, Go, and its concepts for building a resilient web server (e.g. timeouts, deadlines, and context). Developed a mock Google Cloud expense report for Lightning Report #1. Met with faculty advisor to discuss path to building use cases and scenarios.	8, 8	31

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Griffin Stout	Helped team develop use cases and scenarios for our mentor. Met with team to further discuss lower-level implementation of certain aspects of the project. Uploaded profile pictures and descriptions to website. Completed lightning talk assignment.	7, 7	29
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Pending Issues

Some of the pending issues that we need to resolve are developing specific additional specific scenarios and use cases. We have a few layed out, but in the coming weeks we will need to work on refining them so that we can begin creating use case diagrams as well as various other diagrams necessary for planning. We also will need to work on expanding our technical knowledge in the technologies we are not familiar with. We will need to continue looking into pricing for some of the technologies we want to use, and will continue working with our faculty mentor to begin planning for design documentation.

Plans

Team

As a team, over the next 2 weeks we will work on the Design Doc V1 assignment, as well as meet with our faculty mentor to continue planning and designing our project. We will also identify any “loose ends” that we currently have in our project plan, and decide which loose ends we will leave unattended at the moment and which ones we will plan to complete at some point.

Backend

Over the next two weeks, we are going to continue developing our high level plan for the database and backend design. Since we have researched the capabilities of the technologies that we are using, we can now begin creating top-down and bottom-up design structures that better define and help visualize our project layout.

Frontend

Over the next two weeks, we will keep researching React as well as the Monaco text editor. We will do some sample react setup projects if timer permits. We will also continue implementing our first version of a basic Monaco text editor within our React app.