

Bi-Weekly Status Report

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Bi-Weekly Summary

In the past two weeks our time was essentially split up between two tasks. The first task that we focused on was assembling our team. All six of us contributors mutually wanted to be on the team with everyone else, so most of our time was focused on finding a mentor. Since we proposed our own project idea, we need to find our own mentor, which lead to us reaching out to Dr. Goce Trajcevski to be our mentor and he as agreed. We have met with him once to discuss our project idea and its implementations and are now waiting to hear back on when he can meet with us again. The second task we focused on was figuring out what resources we were going to use to meet our goals and requirements. Right now we have a couple of open source platforms which we have looked into utilizing for the duration of this project.

Individual Contributions

| Name | Contribution | Weekly Hours | Total Hours |
|-----------------|---|--------------|-------------|
| Michael Davis | So far I have familiarized myself with postgresSQL, our DBMS engine, Docker, and Kubernetes. I also ran an example of Theia in a browser to view what it consists of. | 7, 9 | 16 |
| Lily Krohn | Brushed up on React knowledge, set up ssh key in gitlab, began learning about and implementing Monaco text editor, read about Theia | 7, 8 | 15 |
| Chris Lopez | Explored approaches we could take in developing the backend and how the product will function as a whole. Explored existing software to see how it has been done well and how we can create a new product that improves existing technology. | 6, 8 | 14 |
| Kyle Marek | Create a design specification along with resources that will help with the creation of our project. Learned about ReactJS and Monaco Editor. Started working on the client side of the project after cloning the team repository. Finished the first reflection. Had a group meeting with our mentor. | 7, 8 | 15 |
| Zachary Mohling | Continued to develop my understanding of our core technologies like React and Go, discussed our vision with our Faculty Mentor, Goce. | 9, 6 | 15 |
| Griffin Stout | Researched ReactJS, Monaco Editor, and got started with our gitlab project. Made a very basic implementation of monaco editor on the front end. Completed reflection 1. | 6, 9 | 15 |

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Pending Issues

Some issues we are currently facing are our lack of technical knowledge in certain areas, as we are using a few technologies that we are not familiar with. We also know that we will need Google Cloud Platform, but we still need to figure out how much this will cost and what specific services we will need to purchase. We also need to further discuss with our faculty mentor the specific features of our project and figure out a timeline for completion of these features.

Plans

Team

As a team in the next two weeks we will complete the first lightning talk. We will also set up another team meeting with Dr. Goce Trajcevski. Lastly, we will find out how to get credits to set up our server or alternative options.

Backend

In the next two weeks, we are going to develop a high level plan for the database and backend design. Now that we know the capabilities of the technologies that we are using we are going to brainstorm the structure that our database and backend are going to take.

Frontend

In the next two weeks, we will continue our research on React and the Monaco text editor. We will also continue implementing our basic test version on the Monaco text editor within our React app.