

sdmay23-18: Senior Design Server/Client Development for Project Matching [Phase 2]

Week 2 Report

October 1 - October 7

Team MembersAlec Elsbernd — *Lead Researcher, Floating Help*Haylee Lawrence — *Lead Presenter, Minute Keeper, Testing, Document Editor*MyTien Kien — *Team Organization, Client Interaction*Sanjana Amatya — *Individual Component Design, Report Manager, Assignment Tracker***Summary of Progress this Report**

Lots of research has been done regarding what algorithms are needed as well as what the other teams have done in Phase 1. Everyone contributed to the requirements section of the design document and we are beginning to plan our lightning talk that is taking place in two weeks.

Between the Hungarian and Auctions algorithm, we have concluded that it was best to stick with Auctions as it was recommended by Dr. Tyagi and our research.

Pending Issues

We are having a bit of trouble understanding the Auctions algorithm and how it works. However, we will be looking into videos/research on what others have done with the Auctions algorithm to give us a better understanding.

Looking back at the Phase 1 teams, we had a few questions regarding if we need to use similar technologies as them since Phase 2 jumps off of Phase 1. Along with that, we are unsure about what to do now that research is completed (?) What else shall we research on? What should we focus on now? What would this semester's timeline look like in regards to our project?

Plans for Upcoming Reporting Period

We plan to touch base with our advisor to show him our current Design document, verify user details and requirements, discuss research and discuss next steps.

We also plan to start working on upcoming assignments; such as the project plan section of the Design Document that is due Oct. 14th.

The team members working on algorithms will continue their research into Auctions and Hungarian algorithms.

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Alec Elsbernd	Spent time researching the previous teams projects and determining some pros and cons. Spent time working on requirements	5	8

Haylee Lawrence	Researched the two previous teams' work. Researched and documented engineering standards pertinent to our project. Edited the current iteration of the Design Doc. Touched base with team over voice call and chat.	4.5	7.5
MyTien Kien	Researched on classic assignment algorithms such as Auctions and Hungarian algorithms. Talked with the team to declare what requirements are needed for our project. Looked over last semester's teams to get an idea of what has been done and what we need to do next	4	7
Sanjana Amatya	Went over the documents for previous teams 3 and 44 and picked out certain things I liked and disliked from their files. Researched the matching and hungarian algorithm for our project and how it could be implemented.	5	8

Gitlab Activity SummaryNothing to report.
