Senior Design 492 Bi-Weekly Report 05
April 08 - April 21, 2023
Group sdmay23-18
Senior Design Server/Client Development for Project Matching Phase 2

Advisors/Clients:
Akhilesh Tyagi
Jacob Grundmeier

Team Members:
Haylee Lawrence – Lead UI Designer, Frontend Development
MyTien Kien – Client Interaction, Backend Development
Sanjana Amatya – Frontend Research, Frontend Development
Alec Elesbernd – Lead Researcher, Backend Development

Bi-Weekly Summary

The first week of this Phase were slow progress-wise. We made some progress with backend controllers and coding the algorithm. The past week has seen some significant milestones, however. We completed the algorithm, started the final deliverables, and were finally able to get dummy data to display on the site. We also made the significant decision to only have a partially working website. More details can be found in the Comments & Extended Discussion section.

Past Weeks' Accomplishments

Though we haven't made the most amount of progress this week, we have made some significant breakthroughs these past two weeks. First, Haylee finished coding the algorithm, and believes it to be a correct implementation. Second, MyTien was able to get SQL dummy data to display on the React frontend. Other than that, we have started on planning our Demo use cases, and final deliverables.

For each team member…
- **Haylee Lawrence:** Finished coding the algorithm based on the pseudo code from the article provided by Sanjana. Also started testing/documenting the algorithm results to determine correctness.
- **MyTien Kien:** Created resource controllers for all controllers (basically the set up for connecting database and frontend). Came up with a plan for a few use cases to demo.
- **Sanjana Amatya:** Researching how to implement the algorithm and testing it out, started working on final deliverables.
- **Alec Elsbernd:** Helped plan the final demo with the group and started working on the final deliverables.

Pending Issues

For each team member…
- **Haylee Lawrence:** None
- **MyTien Kien:** Learning how to pass data from laravel backend to react frontend.
- **Sanjana Amatya:** None
- **Alec Elsbernd:** None

Individual Contributions

Name	Hours Past 2 Weeks	Hours Cumulative
Haylee Lawrence	6	78
MyTien Kien	8	79
Sanjana Amatya	6	73
Alec Elsbernd	5	69

Comments & Extended Discussion

Our group decided that we will not be able to have a fully functional website by the time the semester ends. We decided to instead focus on getting the algorithm working with fake data since that's the main subject of this project. We plan to have certain pages functional on the site so we can do a demo.

Plans for Upcoming Week

For each team member…
- **Haylee Lawrence:** Work with MyTien to get the algorithm in the site, and test/document the algorithm project matchings.
- **MyTien Kien:** Finish processing the use case for our demo, implement algorithm within backend and test. Get started on final presentation deliverables.
- **Sanjana Amatya:** Researching how to implement the algorithm on the website and plan on working on the final presentation and report
- **Alec Elsbernd:** I plan on helping out in any way possible for the project but most of my time will be spent working on the final deliverables

Summary of Weekly Advisor Meetings

Over the last 2 weeks we haven't had a lot to discuss with our advisor. We did meet once to discuss the route we will be taking over the last couple of weeks of our project. In this meeting we discussed where our last weeks of effort needed to be put. In the end we decided it would be best to focus on the algorithm and to get an effective use case in order to demonstrate. This case will show a decent amount of our system working while some less important parts will remain a work in progress.