EE / CprE / SE 491 – sdmay24-02
Senior Design Server/Client Development for Project Matching [Phase 3]
Week 3-4 Report

January 28 – February 10
Client: Dr. Akhilesh Tyagi
Faculty Advisors: Akhilesh Tyagi, Jake Grundmeier

Team Members

Evan Brummer	**Robert Holeman**	**Joshua Izumba**
Frontend Design	Algorithm Design	Frontend Design
Backend Integration	Algorithm Testing	Frontend Testing

Max Kueller	**Noah Nelson**	**Devin Tigges**
Backend Design	Backend Design	Algorithm Design
Algorithm Design	Database Design	Algorithm Testing

Past Week Accomplishments

- Algorithm
  - Presented matching algorithm test results on historical class data to advisors.
  - Finished setting up the test suite.
  - Refactored some of the components.
- Frontend
  - Updated some elements to scale better for smaller page sizes.
  - Updated login structure to work for all user roles and login methods.
- Backend
  - Created database with Spring's JPA annotations.
  - Created endpoints for users and seeded the database.

Pending Issues

- Algorithm
  - Explain the algorithm, and prove.
  - Meet with the backend team.
- Frontend
  - Double-check Board Member and Advisor pages to make sure they fulfill the lifecycle requirements.
  - Fix misalignment for tables with login functionality.
- Backend
  - Create project and group endpoints and services.
  - Begin Integration and unit testing.
  - Create database tables.

Individual Contributions

Name	Contribution	Hours	Total Hrs
Evan Brummer	Updated the React login page flow to accommodate sign-ins with both Iowa State SSO and external emails/passwords.	4	8
Robert Holeman	Ran the algorithm, working on providing a good explanation for our algorithm heuristics.	4	7
Joshua Izumba	Worked on the navigation bar to make pages more resize-friendly.	4	7
Max Kueller	Worked on controller endpoint for inputting CSV file and populating the database.	4	7
Noah Nelson	Seeded database with faker, created user endpoints. Got the Spring project up and running and set up dependencies.	5	8
Devin Tigges	Refactorred algorithm, finished setting up the test suite, reported test results to advisor.	8	11

Plans for Coming Week
- Algorithm team meeting with backend team to discuss integration strategy.
- Improve the algorithm based on feedback from advisors.

Meeting Summary
- Discussed algorithm integration into backend.
- Discussed integrating the backend and frontend.