

EE / CprE / SE 491 – sdmay24-02

Senior Design Server/Client Development for Project Matching [Phase 3] Week 1-2 Report

January 16 – January 27

Client: Dr. Akhilesh Tyagi

Faculty Advisors: Akhilesh Tyagi, Jake Grundmeier

Team Members

Evan Brummer
Backend Integration

Robert Holeman
Algorithm Testing

Joshua Izumba
Frontend Design

Max Kueller
Algorithm Design

Noah Nelson
Database Integration

Devin Tigges
Algorithm Design

Past Week Accomplishments

- Met with Jake and Dr. Tyagi, discussed progress, goals and expectations - Everyone
- Laravel project - Evan
 - Added .env.example and setup instructions for generating a key and running the project
 - Moved font file to the other assets folder that it's being looked for in
- Database
 - Finalize schema and send out for verification
- Algorithm
 - Progress on algorithm test cases - Robert
 - Handling algorithm edge cases - Devin

Pending Issues

- Need to review the workflow concept given at the beginning of 491 to make sure the React pages have all of the features needed - Evan, Joshua, Noah
- Laravel project does not provide a login page at the root path; ISU SSO integration? - Evan
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Individual Contributions

Name	Contribution	Hours	Total Hrs
Evan Brummer	Fix font serve in Laravel, attempt route to login	4	4
Robert Holeman	Setup algorithm meetings meetings, fixing algorithm to work	3	3

	with test cases		
Joshua Izumba	Reviewed changes made to the frontend in 491. Reviewed incomplete gitlab issues and uncommitted code written to address those issues..	3	3
Max Kueller			
Noah Nelson	Reviewed prior schemas and created model for potential DB setup	3	3
Devin Tigges	Worked on handling algorithm edge cases. Meet with backend to have discussion around integration. Continued working on testing framework.	3	3

Plans for Coming Week

- Figure out what the project setup is supposed to look like with React instead of Blade
- Get final algorithm test results to present to client
- Algorithm and backend team meeting to discuss integrating algorithm
- Frontend task distribution

Meeting Summary

- Discussed compatibility issue with react router DOM and laravel blade templates. Going forward with router DOM, may still play with compatibility to see if we can still integrate it
- Mentioned option to speed project progress up by switching to springboot or quarkus for backend. Was advised against doing this, and we will be sticking with laravel
- Discussed challenge with importing current test data.