

# Progress Report 2

Date: 2020-10-18

Members: Edwin Aldrich, Logan Drescher, Bettina King-Smith

## Overview

These past two weeks, we have begun talks with the registrar's office, worked on getting MySQL and Spring Boot to work together, continued learning JavaScript, continued discussing the tech stack, and worked on the grand schema. In the next two weeks, we will finally finalize our project objective, we will finally determine our tech stack, work on getting SpringBoot to work with MySQL, work on using project manager Maven to connect Spring Boot to MariaDB, work on a basic proof of concept for backend, design the site directory / map, and continue working on database design.

## Accomplished

- **Logan was successful in reaching out to the Registrar's Office.** We are compiling a list of questions to send to the registrar's office and will send the email on Monday (during the work week). We are hoping to finalize the project idea entirely. We want to ensure our idea of what the Registrar's Office needs is our best option (based on scale or necessity). If not, we can modify our project towards the First Year Seminar project possibly or something else.
- **Bettina has continued attempted to get communication between Spring Boot / Java and MySQL.** We are relatively confident that the problem is somewhere in the configuration with MySQL.
- **Logan has continued studying JavaScript.**
- **We have continued discussions about our tech stack.** We know that our front end will be JavaScript. We know our backend will be Spring Boot / Java. We are still unsure of whether we want to use a project manager (and therefore MariaDB) or not use a project manager and use MySQL. Our team will be splitting to try to get both to hopefully work and then figure out what's the best choice.
- **Edwin has started to work on the database design.** Edwin has made a outlined general database design. Until a tech stack and project objective is totally finalized, he doesn't believe working on the database design makes total sense.

# Next Tasks

Our top priorities before the next meeting will include:

In the next two weeks, we will finally determine our tech stack, work on getting SpringBoot to work with MySQL, work on using project manager Maven to connect Spring Boot to MariaDB, work on a basic proof of concept for backend, design the site directory / map, and continue working on database design.

- **We will finalize our project objective.** We need to email the registrar's office with our questions and ideas to get a better understanding of the system they have and figure out the problem we are trying to solve. We realize it might be possible our project's scale might be too large and outside the bounds of reasonability to finish within 2 semesters.
- **Get communication between Spring Boot and a database to finalize our tech stack.** We have decided to have Edwin and Bettina work in parallel in order to fix this problem. Bettina will continue to try to get Spring Boot and MySQL to work together. Edwin will try using the project manager Maven and try to have communication with Spring Boot and MariaDB. Edwin has found a connector on MariaDB that looks promising. This will finalize our tech stack.
- **Work on a basic proof of concept for our backend (Secondary).** We think it's far more important to finalize the objective and tech stack. The moment we do, we can start a basic proof of concept in how to design the backend with those goals in mind.
- **Continue working on the database design (Secondary).** Like the proof of concept, we again think that we can't truly have a database design when the objective and tech stack aren't final. We have an abstract design, but it isn't very helpful until we actually have things finalized.
- **Design the site directory / map (Secondary).** Logan will work on designing a site directory / map. He has a decent grasp of JavaScript and believes he can start doing design for the frontend. Again, we still need things with the registrar's office finalized.