

Progress Report 3

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

Overview

While we spent a lot of time struggling with config problems for the back end, we have come to a breakthrough and figured it out! We have also yet to hear back from the Registrar's Office, so we have emailed them again. While we waited, we discussed our system design ideas.

Accomplished

- **Bettina remained very, very stuck on Spring Boot configuration problems.** It was the same issue that was holding her back the entire sprint, but with some new insights from Edwin and Logan, she was able to figure out the issue. So far, she has managed to configure a Spring Boot application with MySQL - the next step will be to make the application work with MariaDB.
- **Edwin and Logan create a sample back end using Maven and a MariaDB Connector.** Because Bettina was so stuck on the config issue with Spring Boot, Edwin and Logan decided that it would be worthwhile to try a different set up to see if we could get that working. Now we have two different potential back ends that we can use!
- **Bettina emailed the Registrar's office.** We sent a list of questions to the Registrar's Office, but have not heard back in 2 weeks. Bettina emailed the Registrar's Office a second time, trying to gather requirements.
- **Logan decided he wanted to use Angular / JS for the front end.** This is a change from our initial plan, which was to use React.JS for the UI.
- **Logan has designed a system block diagram for the back end.** This will help Bettina organize and schedule the development cycle and feature deliverables in the upcoming weeks, including authorization, security, error, page, login, and query handling; this will be further defined once the config has been finalized and rendered functional.
- **Logan has started putting together a sitemap for PapCoat.** He is limited by the lack of communication of the registrar's office, but will readily have a complete map after hearing back (or deciding to continue without the registrar's input).

Next Tasks

Our top priorities before the next meeting will include:

- **Gathering requirements from the Registrar's Office.** Continue to reach out to the Registrar's Office to understand what they would like to see from a new course registration system.
- **Establish suitable configuration settings.** Hopefully, by the next time we meet we will have decided on what tech stack we will be using and have some preliminary code that connects the front end to the back end, and the back end to the database.
- **Catching up on our missing design specification and designs.** A large amount of design choices are left undecided at the moment, including database system diagram, database schema, finalized sitemap, algorithm flow diagram, and other minor design documents.