Progress Report 5

Date: 2020-12-02
Members: Edwin Aldrich, Logan Drescher, Bettina King-Smith

Overview

This sprint has posed several challenges to our team, such as questions about the scope of our project. We have pivoted slightly from working on our "real" product to a proof of concept of the heart of our project - the rank-based algorithm - which we hope to build out in plain Java for testing then import into our application.

Accomplished

- **Logan completed the feature list and URL index for the project**. As a team, we developed a complete list of features that our team would like to build for our project.
- **Edwin has completed the creation of our (current) database schema**. Edwin has completed a database diagram with team feedback and has also created a script so that we can build the tables in MySQL.
- **Bettina has cleaned up configs for SpringBoot back end.** This included cleaning up past failed attempts at configuring our project so that it is easier for everyone to understand the structure of the back end, use it, and add to it.
- **Edwin, Bettina, and Logan are working on a proof of concept for the algorithm.** We are attempting to implement our algorithm pseudocode in plain Java, for simplicity. This is currently a work in progress. We are planning to expand the scope of our proof of concept little by little until we have captured all of the cases that might occur - like too many students enrolling for the same class, creating larger test cases, and so on.

Next Tasks

Our top priorities before the next meeting will include:

- **Completing the proof of concept.** We would like to complete this proof of concept so that we can prove that our algorithm, while not necessarily computationally efficient, will provide a better alternative to the current course selection method by taking student preferences into consideration.
- **Write our presentation.** We will be writing and practicing our presentation for next week's senior seminar class (on Wednesday) and the Traveller's presentation the following Monday.