**Deliverable 0**

**Title:** Project Setup

**Due Week Of:** September 4th, 2023

**Description:** Each team member should have a Slack and GitHub account. The team needs to have sent their list of GitHub usernames to the mentors on Slack so they can be added to their team’s repository. You should git clone the project which already exists in the repository down to your local machine so you can import it into your IDE and get it up and running using the README provided in the project repository. Note: the project only needs to be set up to run locally, you don’t need to worry about setting up GCP yet.

**Important to Note:** During the kick-off, we will walk through the template project and it will be critical to familiarize yourself with the Spring/React basics covered in the tutorial assignments (at least) beforehand so you can follow along and ask appropriate questions.

**Deliverable 1**

**Title:** Entity Relationship Diagram

**Due Week Of:** September 11th, 2023

**Description:** For this deliverable, your team will demonstrate they way you’ve planned and designed your database tables. You’ll describe the decisions you made before implementation, and show your database containing the tables and their foreign key relationships.

**Deliverable 2**

**Title:** User Account Creation and Login Demo

**Due Week Of:** September 25th, 2023

**Description:** For this week’s meeting, you’ll demonstrate that a user of your application can create an account and login using that account.

**Deliverable 3**

**Title:** End-To-End Service Demo

**Due Week Of:** October 2th, 2023

**Description:** For this deliverable your team will show end-to-end communication in the application. User actions in the UI will make requests to the service, which will request data from the MySQL database, and the response will be passed all the way back to the browser where you can display it in Reach on the frontend. Demonstrate to the mentors that some action on your app causes a database add/change/delete and that you can see the results of that change afterwards in the app.

**Important to Note:** Milestone 2 is due a week after this deliverable and requires a large number of requests to be working, so getting this deliverable done early prevents your team from having to start and finish all the pages for the milestone in one week.

**Deliverable 4**

**Title:** Recommendations Demo

**Due Week Of:** October 23th, 2023

**Description:** For this demo you will show your progress with the recommendations system in the app. A student should be able to get their recommended study partners (other students or tutors). A student should also be able to get their recommended study meetups. A student should be able to get their recommendations based on a set of criteria, such as subjects/courses, study methods, time of day, location, ratings, previous history, etc.

This is the algorithmic component of the application. It is important to think of the criteria as preferences rather than filters. For example, if I set my subject preference to “biology”, the app still might recommend me other students with different science courses selected depending on the population of the app. Similarly, if I set my time of day preferences to “evening”, the app still might recommend me other meetups earlier in the day depending on the availability of meetups and other factors. This goes for all of the various criteria.

You might even want to consider allowing a student’s connections, such as previous study partners or meetup history, to influence the recommendations generated by the system.

**Deliverable 5**

**Title:** Notifications System Demo

**Due Week Of:** October 30th, 2023

**Description:** For this deliverable you will show the notification system you have built for the application. Particularly this involves showing in-app notifications. Users should be able to notify other students and tutors that they want to connect with them and then those users should be able to view those messages in the app, mark them as read, or delete them. Additionally, the app should notify the user if there are any unread messages. In addition, the app should send a notification to students for their upcoming meetups.

**Deliverable 6**

**Title:** UI Hardening Demo

**Due Week Of:** November 23th, 2023

**Description:** This is the last deliverable expected for the project until your final presentations. As the application nears completion, we want to see how you’ve changed and finalized your UI in preparation for the final presentation.