Project Title: Recruitment Dashboard

Summary
Our project is a recruitment dashboard and its primary objective is to assist students in achieving their career and income goals. Students can input their academic grades from 10th grade, 12th grade, and college, as well as specialization and degree data to obtain estimated salary projections, which are derived from historical data pertaining to past students. In addition, students can select their goal salary and view the past statistics of students who reached those salary goals. The dataset has a wide range of information, including secondary and higher education performance percentages, specific Higher Secondary Education specializations, degree percentages, types of degrees obtained, MBA percentages, MBA specializations, work experience, employability test scores, placement statuses, and salary offers for placed students. To enhance the application's functionality, data visualizations can be used to help users better understand the given statistics and identify patterns important to their career advancement. By focusing on post-graduation career planning and goal-setting, the application addresses the competitive nature of recruitment based on educational qualifications, setting it apart from similar platforms.

Description
The "Recruitment Dashboard," aims to address the challenge of career planning and achieving income goals for students and individuals. The core problem we want to solve is the lack of comprehensive post-graduation career planning tools that take into account academic performance, specialization, and degree data. By allowing users to input their educational details and career aspirations, our platform will provide estimated salary projections based on historical data from previous students. This solution will empower users to make informed decisions about their educational and career paths, bridging the gap in the market for post-graduation career planning tools and helping individuals navigate the competitive landscape of recruitment based on educational qualifications.

Usefulness
Our chosen application is useful because recruitment is competitive and based on education level, so it helps students plan out their education goals based on their career goals. There are similar applications/websites such as Naviance. However, these similar platforms provide students with information going from High school to University while our application allows students to plan their career and life goals post graduation.

Realness

Our selected dataset is provided from the TA proposed dataset and we will have access to the data from Kaggle.com. The data is gathered from a XYZ school. The data stored in the database covers campus recruitment and placement data of students on a specific university campus. It has secondary and higher education school percentage attended, and specifies the name of the type of specialization within Higher Secondary Education. It also has degree percentage, degree type, MBA percentage, MBA specialization. And, finally it specifies whether someone has work experience, an employability test score, placement status, and salary offers to the placed students.

Functionality

The basic functions of our web application will be:

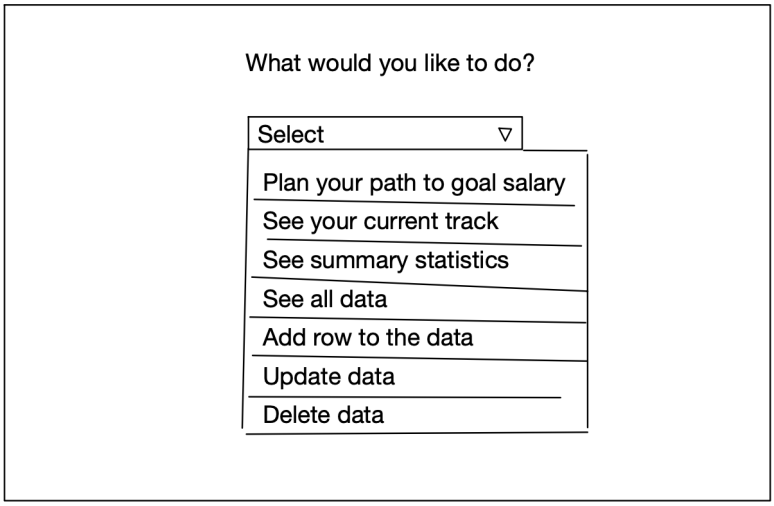
- Enter (create) your own recruitment data into the database
- Update/delete rows of the data
- Read all the rows of the data
- See overall summary statistics
- Enter goal salary (within range) and see statistics for grades, degree, etc.
- Enter their degree, specialization, etc. and see average salary

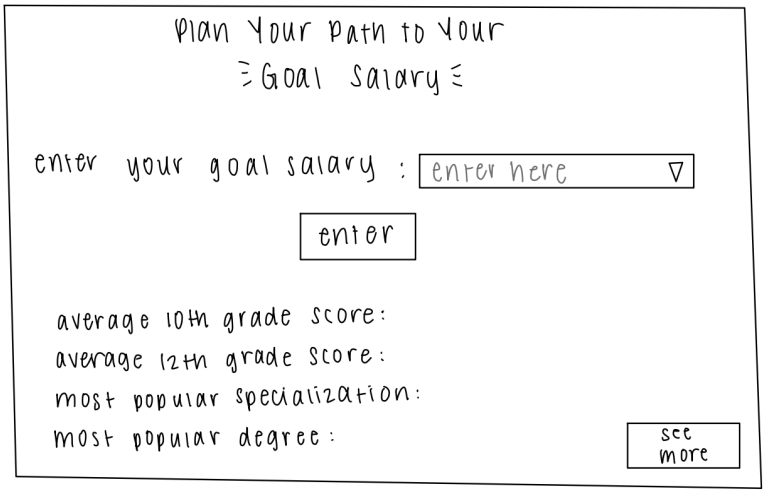
On entering the application, users will have the choice from a dropdown menu to do any of the following:

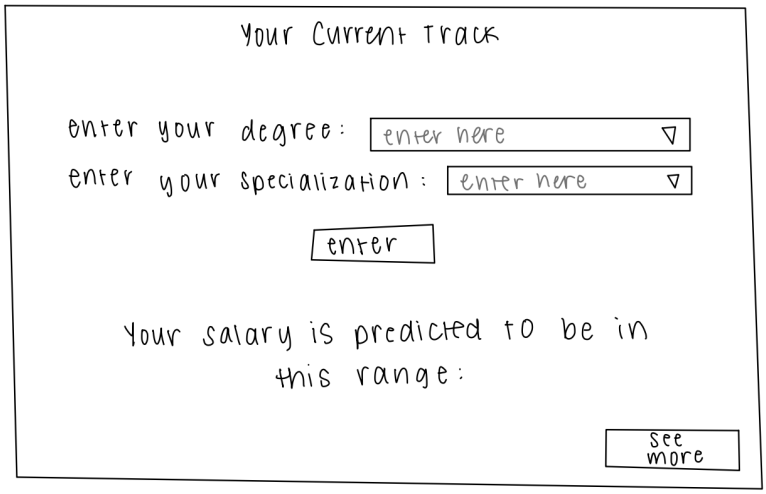
Plan your path to goal salary: Users will select one option from another dropdown menu of various salary ranges that matches their goals. The corresponding grades, degrees, experience associated with that salary range will be displayed in a list format (possible visualization)
See current track: Users will be able to select their degree, specialization, work experience, etc and an average estimated salary based on their qualifications will be displayed.
See summary stats: Will display various visualizations based on the data available such as, correlation between degree/specialization with salary, correlation between job placement and education level, correlation between job placement and grades, etc
See all data: Will display a table of all currently available data in the database
Add row to data: Allows user to add a row of data to the database, with any empty values appearing as null
Update data: Allows the user to update data by entering the serial number and the fields they want to change.
Delete data: Allows the user to delete data from the database by entering the serial number of the row entry they would like to delete.

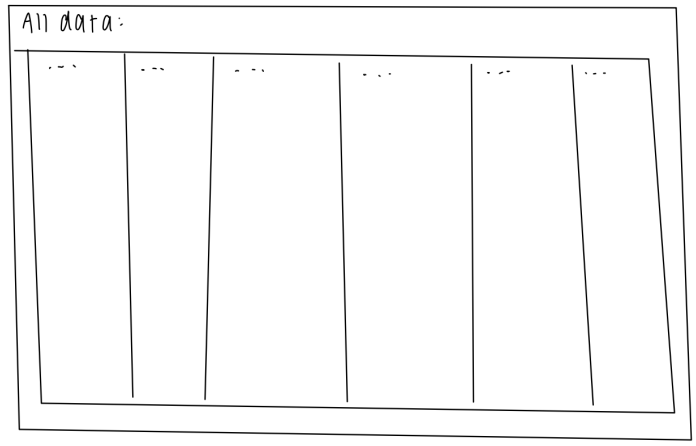
A creative component to improve the functionality of our application are data visualizations. Visualizing the statistics we plan to output can help users better understand what they are looking at and see patterns that can help them reach their goals.

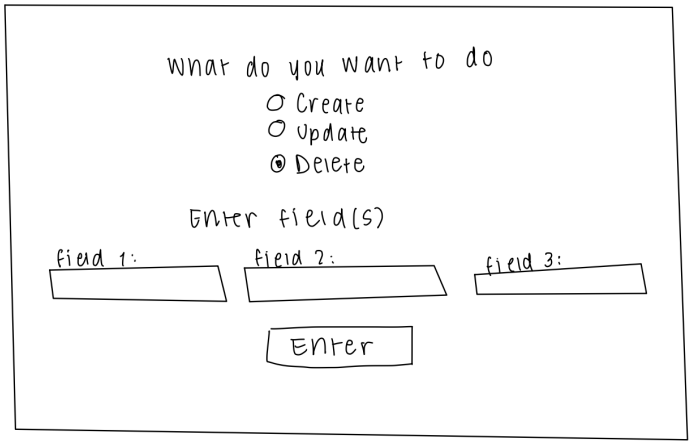
Low-Fidelity UI mockups











Project work distribution:

Aditi

- Focus on frontend functionality
- Home page with initial drop down actions design and implementation

Ramya

- Path to goal salary queries
- Path to goal salary visualizations

Neha

- Current track queries
- Current track visualizations

Iniya

- See all data, add row to data, update data, delete data queries
- Summary statistics and visualizations