Logo, company name

Description automatically generated

**SCHOOL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCE**

**SE-312 Software Construction**

**Project Description**

**GROUP DETAILS**

|  |  |  |
| --- | --- | --- |
| **S. #** | **Name** | **CMS ID** |
|  | **Aiza Islam** | **343201** |
|  | **Shehryar Saqib** | **347703** |

**Instructor: Miss Mehwish Rashid**

**Lab Engineer: Sir Nadeem Nawaz**

**JOBBIES-A JOB PORTAL REACT APPLICATION**

Jobbies is a modern job portal application that revolutionizes the way job seekers and employers connect. With its user-friendly interface and simple structure Jobbies simplifies the job search process for individuals. Whether you're looking for new opportunities or seeking top talent, Jobbies is the ultimate platform to meet your recruitment and career needs. The front end of the Jobbies application is built using **React**, a popular JavaScript library for building user interfaces. The user interface is styled using a combination of **Material-UI** (MUI), **CSS**, and **SASS**, ensuring an attractive and intuitive design. Redux is not being used because it is a small-scale application and redux increases complexity. For smaller applications, the overhead of setting up Redux might outweigh the benefits. Smaller applications require minimizing bundle size, using Redux might not be the most optimal choice. The application consists of the following pages: home, about, contact us, job details, post job, my jobs, sign-in, and sign-up. Various components are utilized throughout the application to enhance functionality and user experience. These include cards for displaying job listings, the "my jobs" component for managing submitted applications, the "jobs" component for listing available job openings, the "job posting form" component for creating job listings, the "sign-in" component for user authentication, and the "footer" and "header" components for consistent navigation and branding. The components we used are cards, my jobs, jobs, job posting form, sign-in, footer, and header. Furthermore, to handle the routing within the application, multiple routes are implemented to direct users from one page to another seamlessly. **JSON server** is used for back-end and database management. It has a file data.json that has two components; jobs and users and each component is hosted on localhost. The data is being fetched from the JSON server using **Fetch API**. The **hooks** being used are **useNavigate**, **useLocation**, **useState,** and **useEffect**.

Overall, the Jobbies application leverages React, Material-UI, and other technologies to provide a visually appealing and user-friendly interface, offering a range of pages, components, and routing functionalities. The implementation of a JSON Server ensures smooth data management and retrieval, enhancing the overall user experience.