

Online Job Bank (10 Week Project)

→ Types of Profession(Engineering, Data Scientist, Front-end dev, etc.)

- Engineering
 - Electrical Engineering
 - Computer Engineering
- Programming
 - Front-End Dev
 - Back-End Dev
 - Mobile Dev
- Business
 - Accounting
 - Marketing
- Arts
 - Graphic Design

→ Job Type(part-time, full-time, contract, etc)

- Full time
- Part time
- Contract
- Coop
- Intern
- Unpaid internship
- apprenticeship

→ Company

- Apple
- Samsung
- Tesla
- IBM
- BMO
- Bank of America

→ Salary

- 30k
- 50k

→ User(like messaging people in the industry)

- Age
- Name
- Subscription

→ Location

- America
- Germany
- Canada (subsequent cities)

Assignment #1 - Project Planning (Introduction with Strong and Weak Entities)

For this project, our objective was to create a platform where users gain access to a job search database. In this technology centric world and competitive state of today's job market, online job banks such as LinkedIn and Indeed have been soaring in popularity and are crucial as they connect people all around the world. They provide users with various job opportunities that can be accessed with just a click of a button. Taking inspiration from these established services, we try to incorporate networking components from LinkedIn and job filtering components from Indeed. This would facilitate interactions between potential job candidates and hiring managers and provide an easy-to-use interface where users can easily identify and apply for jobs that tailor to their needs.

In our DBMS, users can also opt for a subscription based premium service in which they can get further detailed information about jobs and a direct connection to interviewers. Large and small companies also reap the benefits of these subscription services as they could pool these applicants in a different bracket and hire them based on company needs. This application will have the ability to hold specific types of information about jobs making it easier for the user. Users would be able to search and sort for jobs based on their professions, salaries, companies, job types, locations, and many more. With the subscription, they are provided with a more premium service including the ability to communicate with industry professionals, precisely track profile interest levels, along with a plethora of features which would be available based on their subscription type.