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Project Description:

JobZee - Job Posting Platform

Overview

JobZee is a web application designed to bridge the gap between employers and job seekers. It enables employers to post and manage job listings, while job seekers can browse, save, and apply for jobs effortlessly. The Frontend is live on **localhost:5173**.

Technologies Used

The application is developed using HTML, CSS, and JavaScript for the frontend, with a robust backend and MongoDB database to handle user data and job listings.

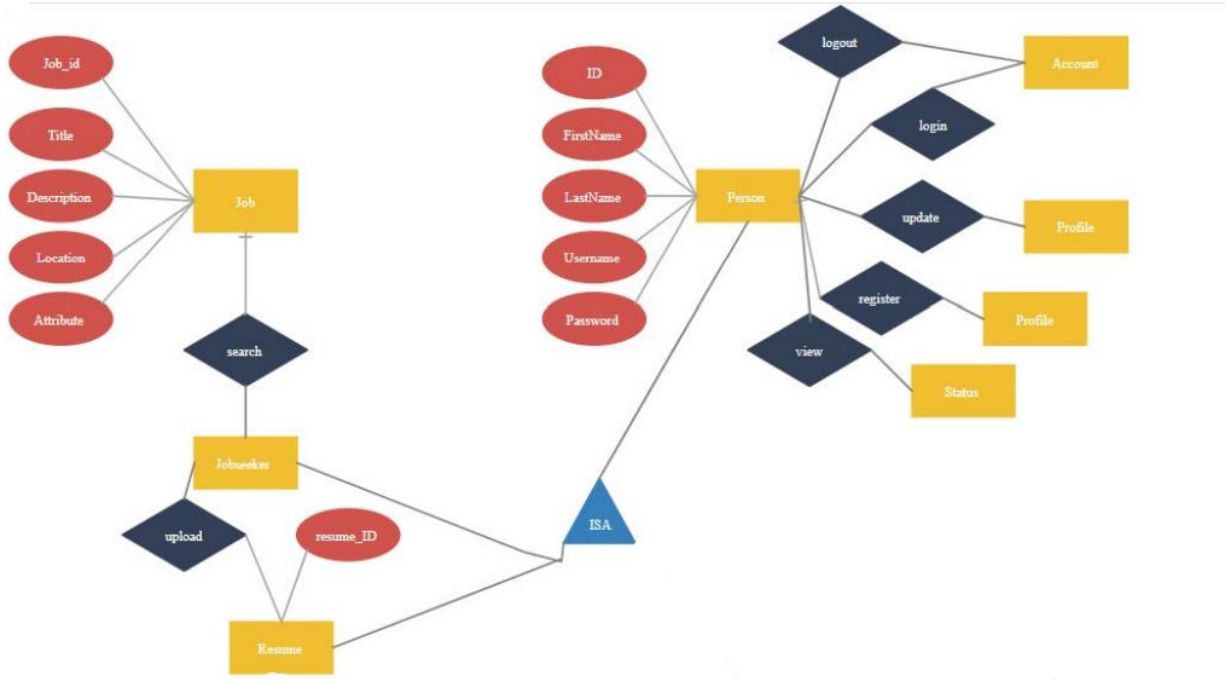
Features

JobZee allows employers to create detailed job listings, update them as needed, and manage applications through an intuitive dashboard. Job seekers can browse various job opportunities, apply directly, and save listings for future reference. The application supports real-time notifications to keep users informed about the latest job postings and application updates.

- Employers can create, update, and manage job postings.
- Job seekers can search for jobs and apply directly through the platform.
- Secure user authentication ensures data privacy and security.

JobZee is a responsive and user-friendly platform aimed at streamlining the recruitment process.

ERD



Prerequisites:

To run this project locally, you will need to have the following software installed:

1. Node.js: JavaScript runtime built on Chrome's V8 JavaScript engine.

2. npm (Node Package Manager): Comes with Node.js, used for managing Dependencies.

3. MongoDB: NoSQL database used for storing application data.

Backend (Node.js with Express.js)

Express: Fast, unopinionated, minimalist web framework for Node.js.

Mongoose: Elegant MongoDB object modeling for Node.js.

Dotenv: Module to load environment variables from a .env file.

Frontend (React.js)

react: JavaScript library for building user interfaces.

react-dom: Entry point of the DOM-related rendering paths.

react-router-dom: DOM bindings for React Router.

axios: Promise based HTTP client for the browser and node.js.

redux: Predictable state container for JavaScript apps.

react-redux: Official React bindings for Redux.

redux-thunk: Thunk middleware for Redux.

Development Tools

nodemon: Utility that will monitor for any changes in your source and automatically restart your server.

Database

This project uses MongoDB as its database. MongoDB is a NoSQL database which stores data in JSON-like documents with flexible schemas. This allows for easy and fast storage and retrieval of data, making it a great choice for web applications.

Setting Up the Database:

1. Install MongoDB: Follow the [official MongoDB installation guide) to install MongoDB on your machine.

2. Start MongoDB: Run the following command to start MongoDB.

Project Structure:

The project is structured as follows:

backend: Contains the server-side code (Express.js).

controllers: Functions to handle routes logic.

models: Mongoose schemas and models.

routes: Express route definitions.

middlewares: Custom middleware functions.

config: Configuration files (e.g., database connection).

frontend: Contains the client-side code (React.js).

components: React components.

pages: Different pages of the application

How to Run the Project

Installing Dependencies

For the backend:

cd backend

npm install

For the frontend:

cd frontend

npm install

Run the Server:

Start the backend server:

cd backend

npm run dev

Start the frontend server:

cd frontend

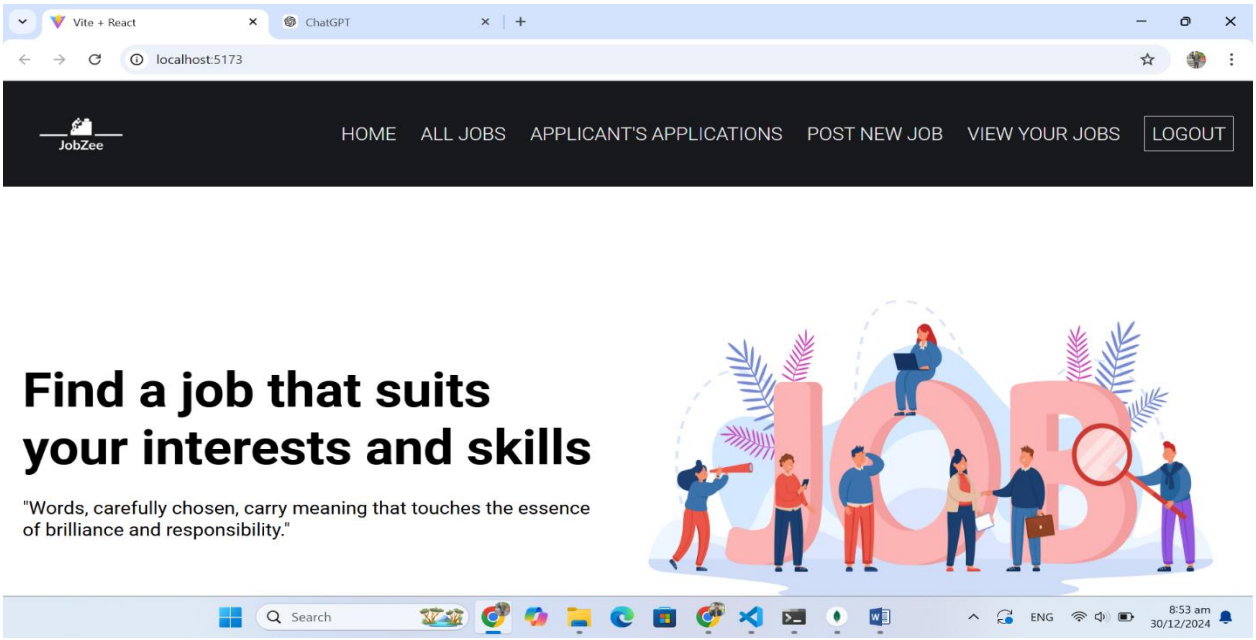
npm run dev

Access the Application

Open your browser and navigate to `http://localhost:5173` to access the application.

Frontend:

HomePage:

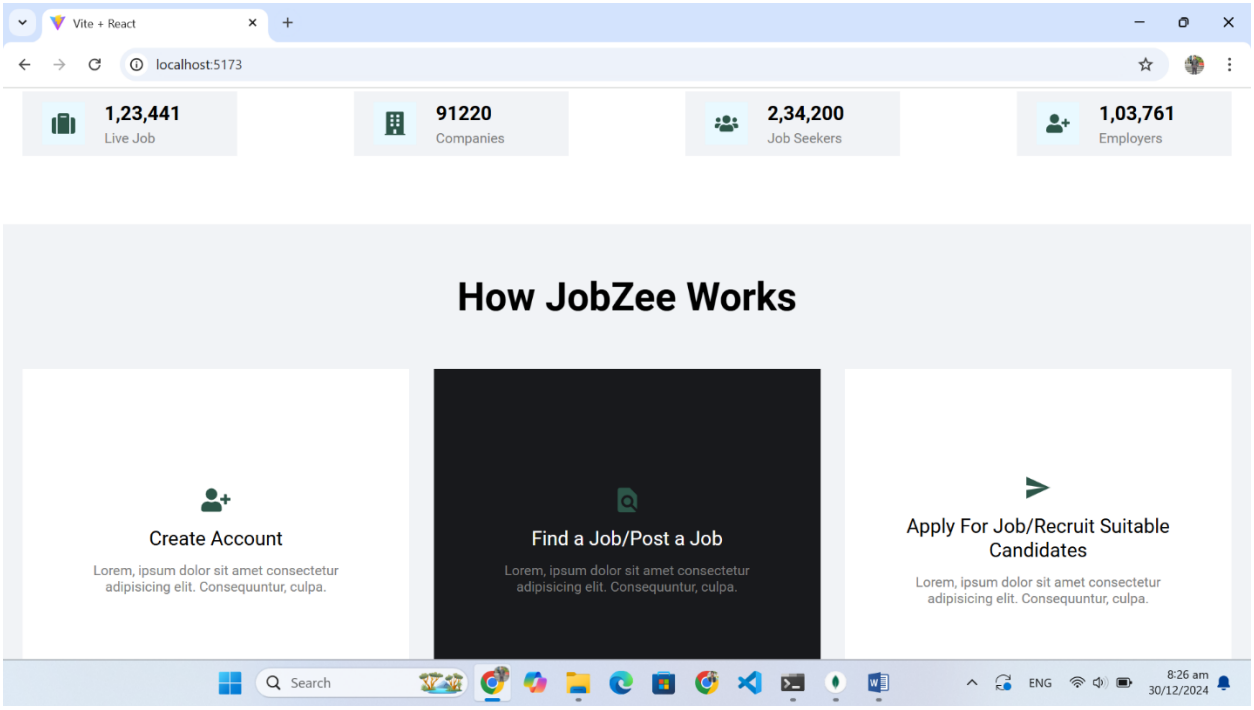


How JobZee Works:

Here we:

- Create Account.
- Find a Job / Post a Job
- Apply For Job / Recruit Suitable Candidate.

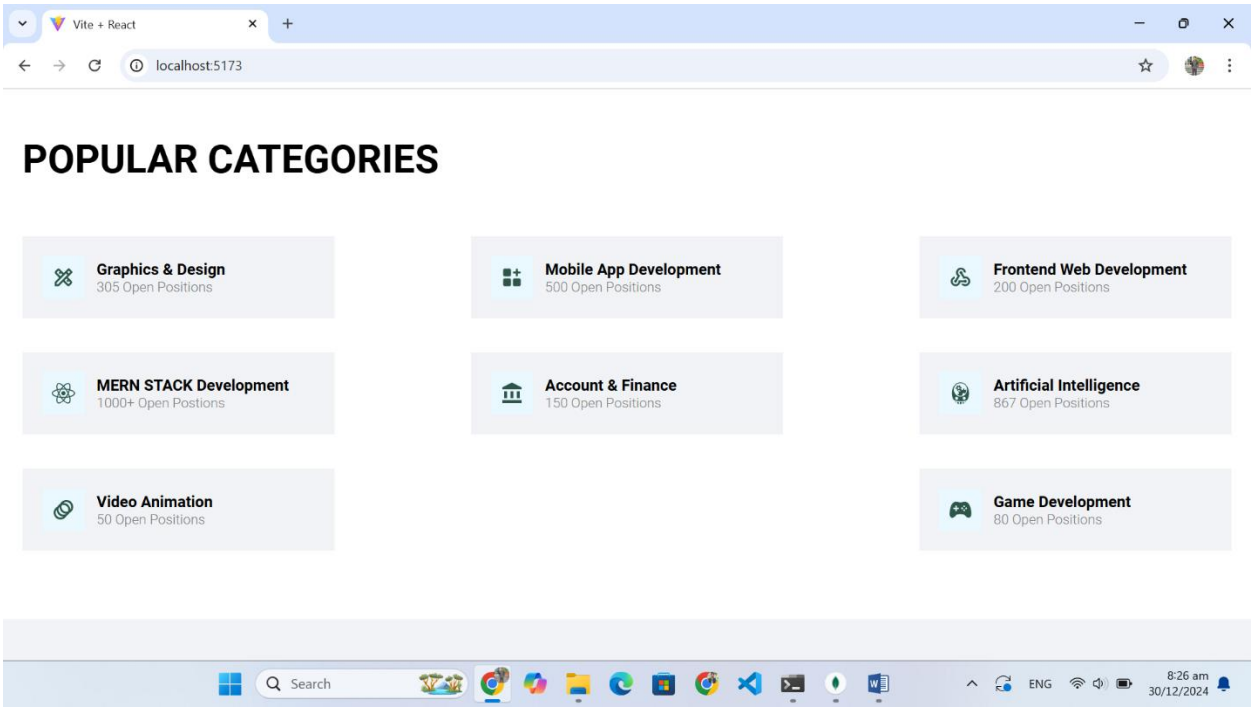
This Page also show the availability of employees , Jobs , companies and Job Seekers.



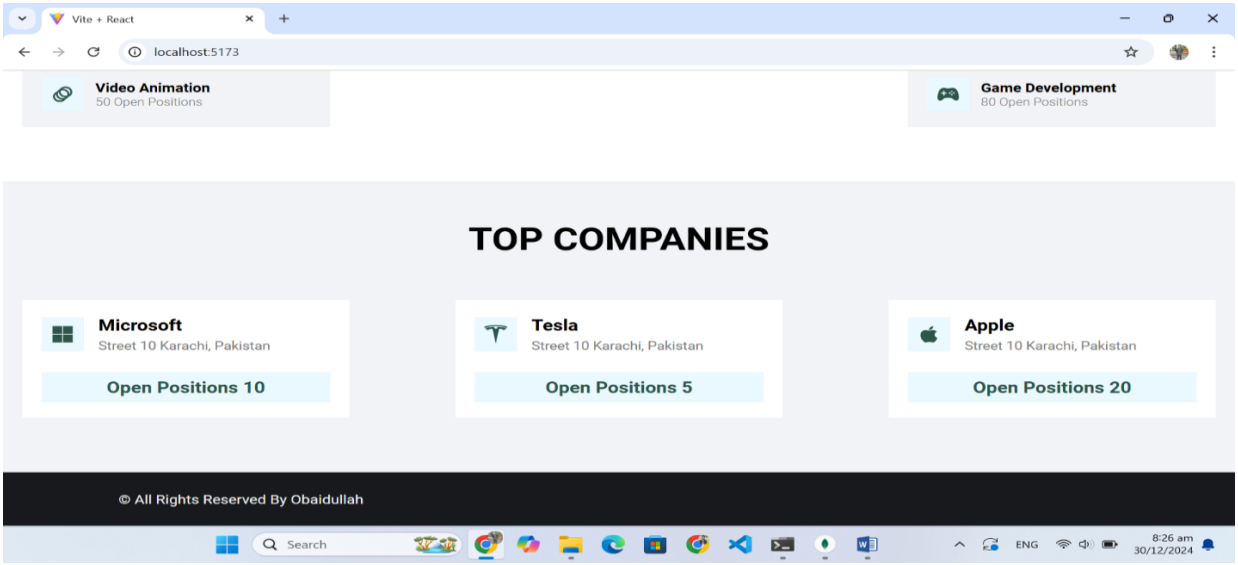
Popular Categories:

- Graphic & Design
- Mobile App Development
- Front Web Development
- MERN STACK Development
- Account & Finance
- Artificial Intelligence

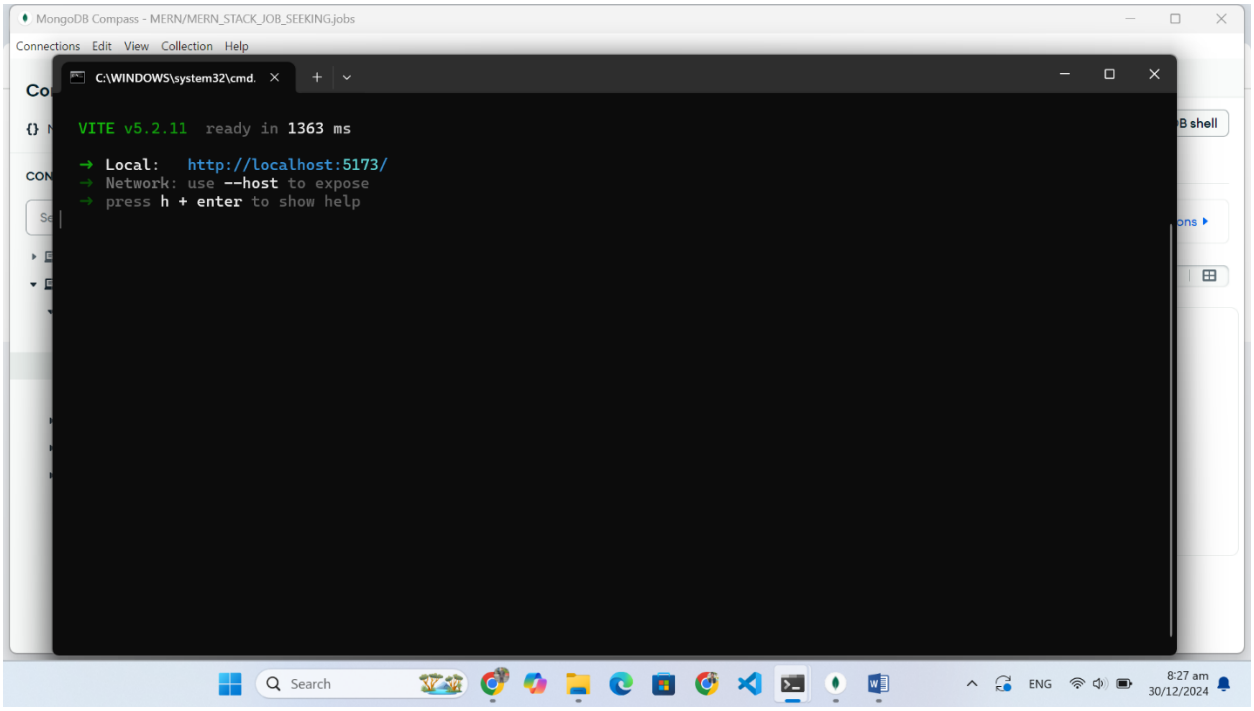
- Video Animation
- Game Development



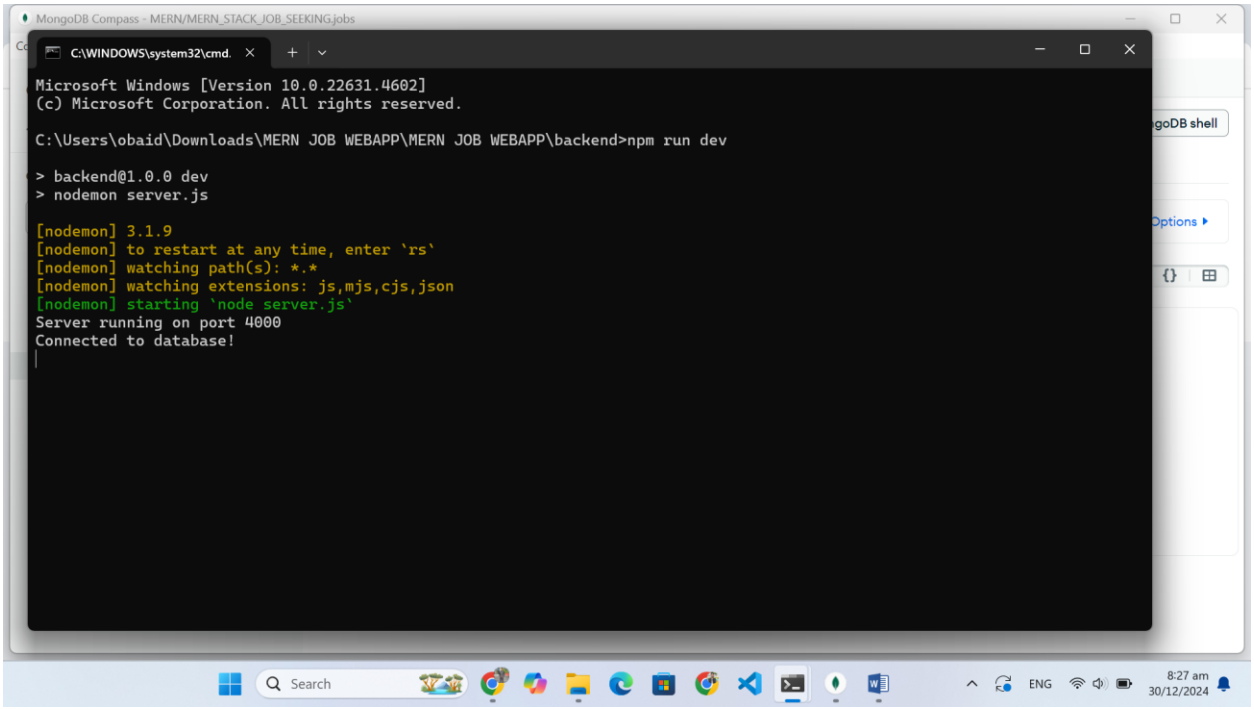
Footer:



CMD working for Loading Frontend:



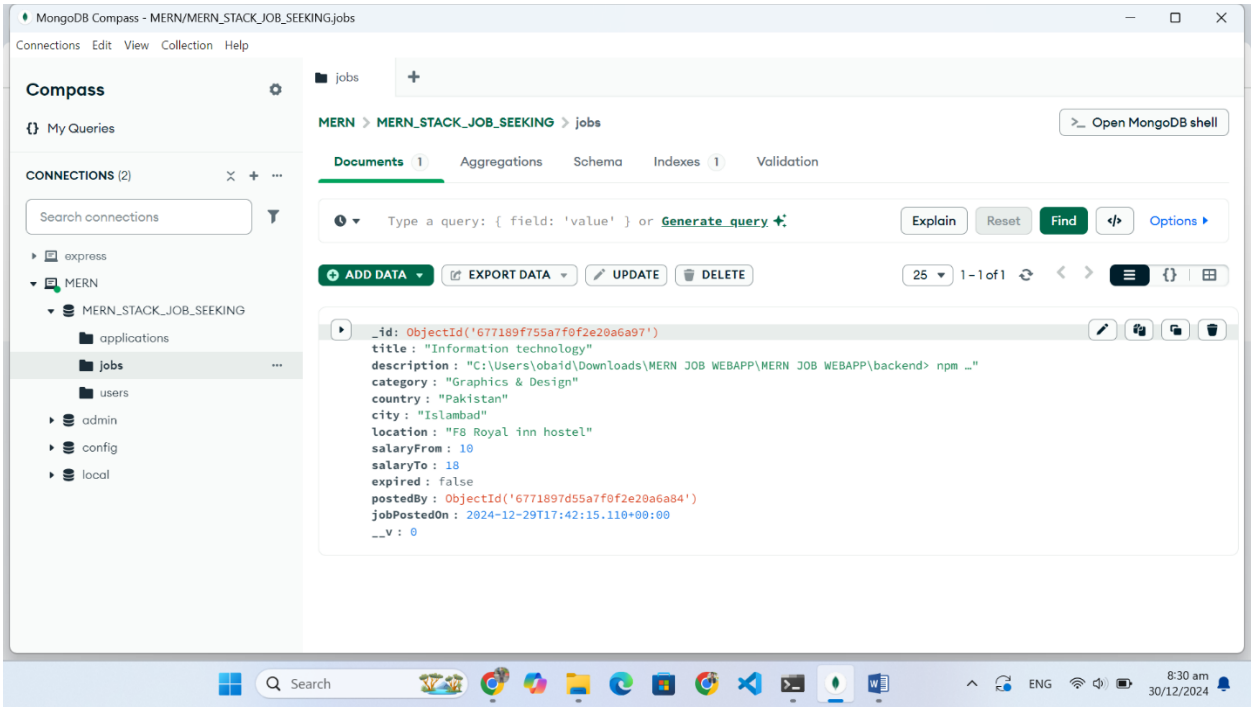
CMD working for Loading Backend:



DATABASE: MongoDB

Collections are:

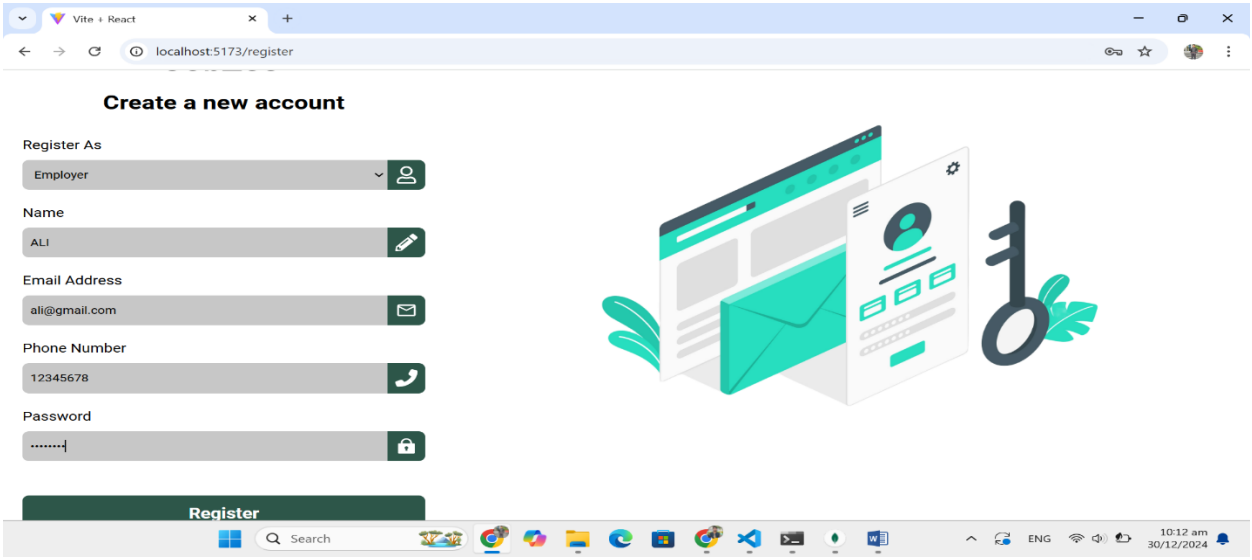
- Applications
- Users
- Jobs



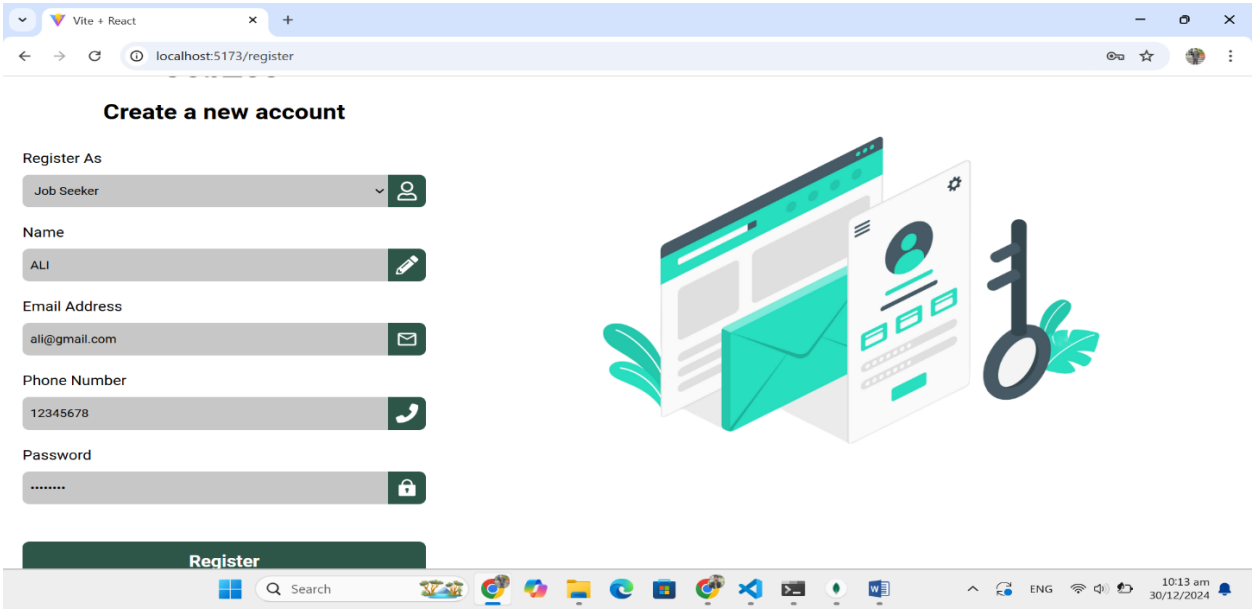
Flow of the Whole Application:

How to Create an account :

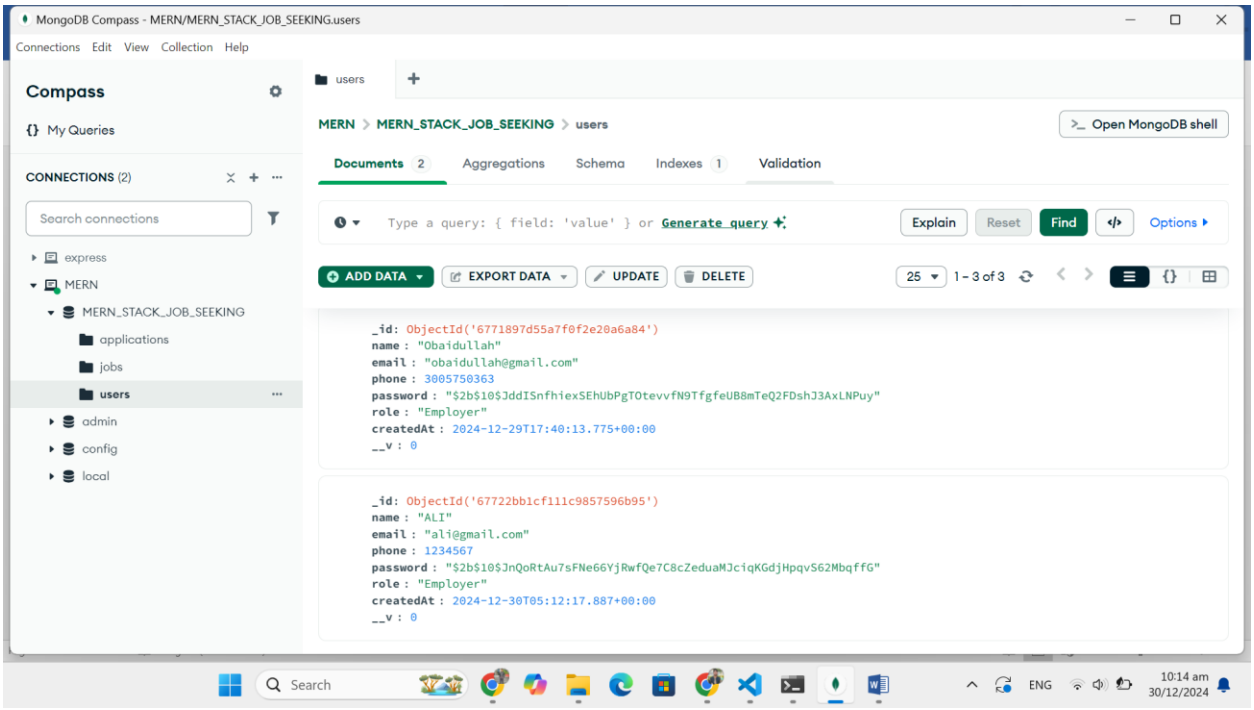
As an Employer:



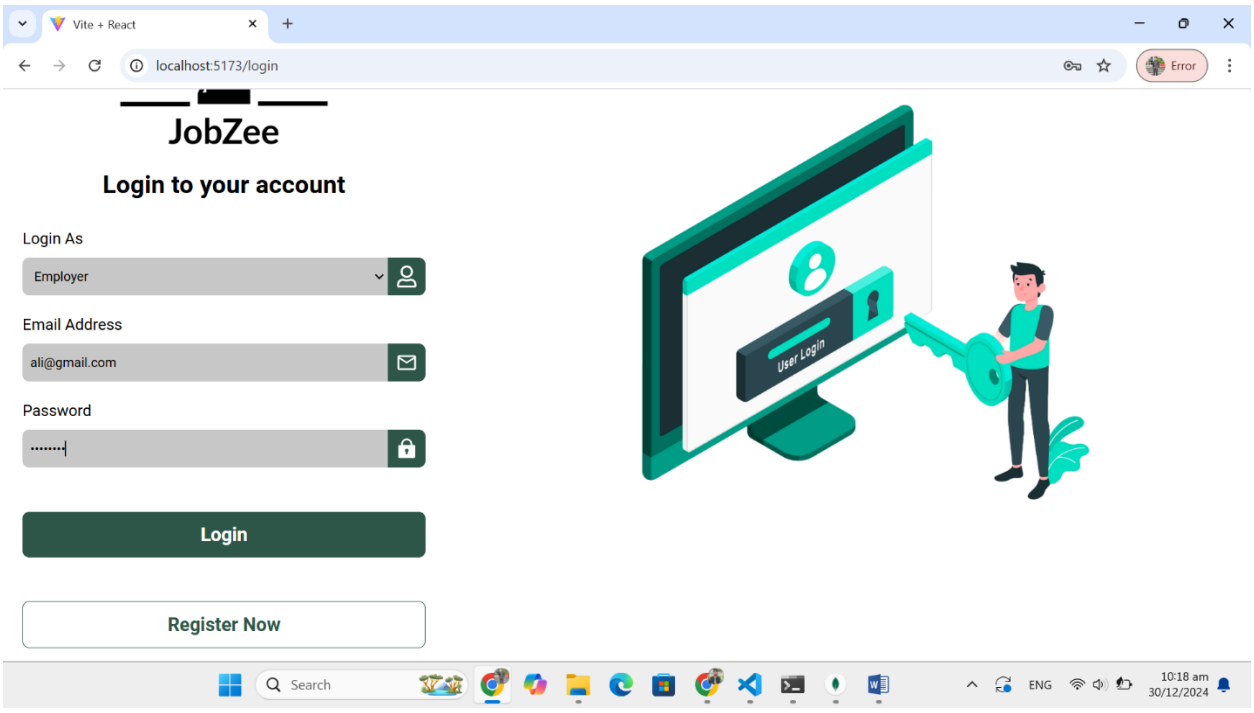
As a Job Seeker:



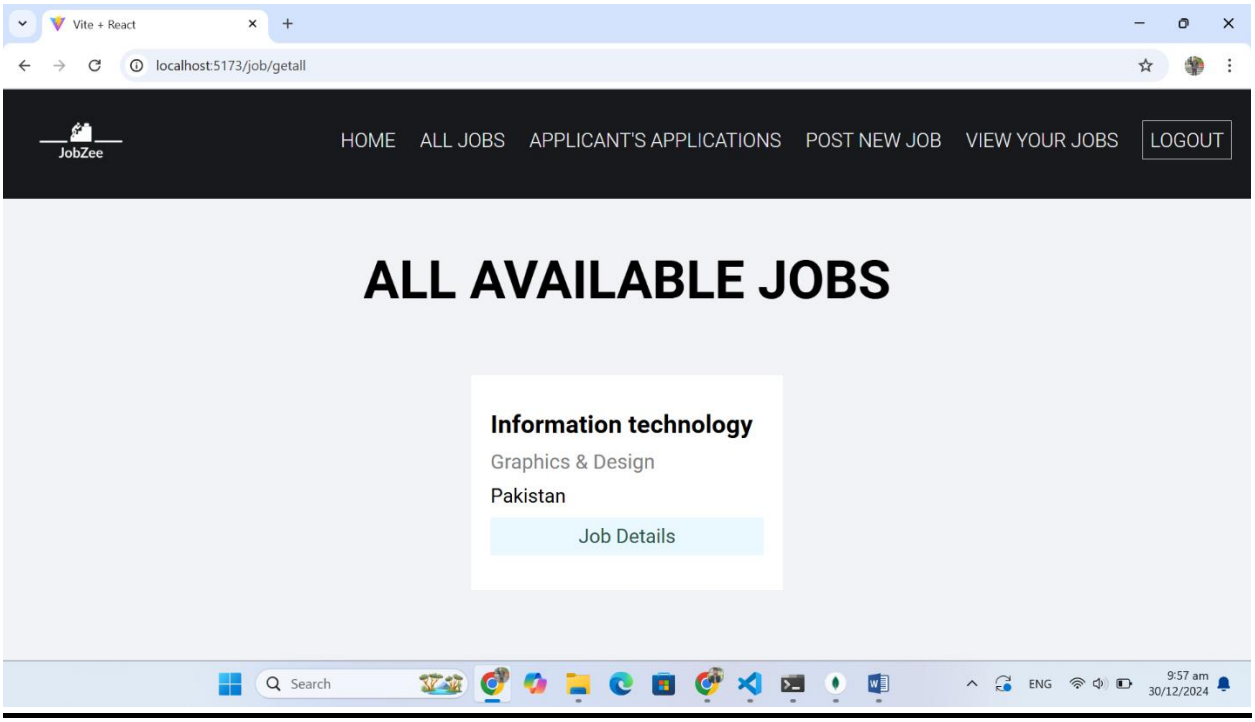
Data Inserted in Database:



Login to an account :



Available Jobs:



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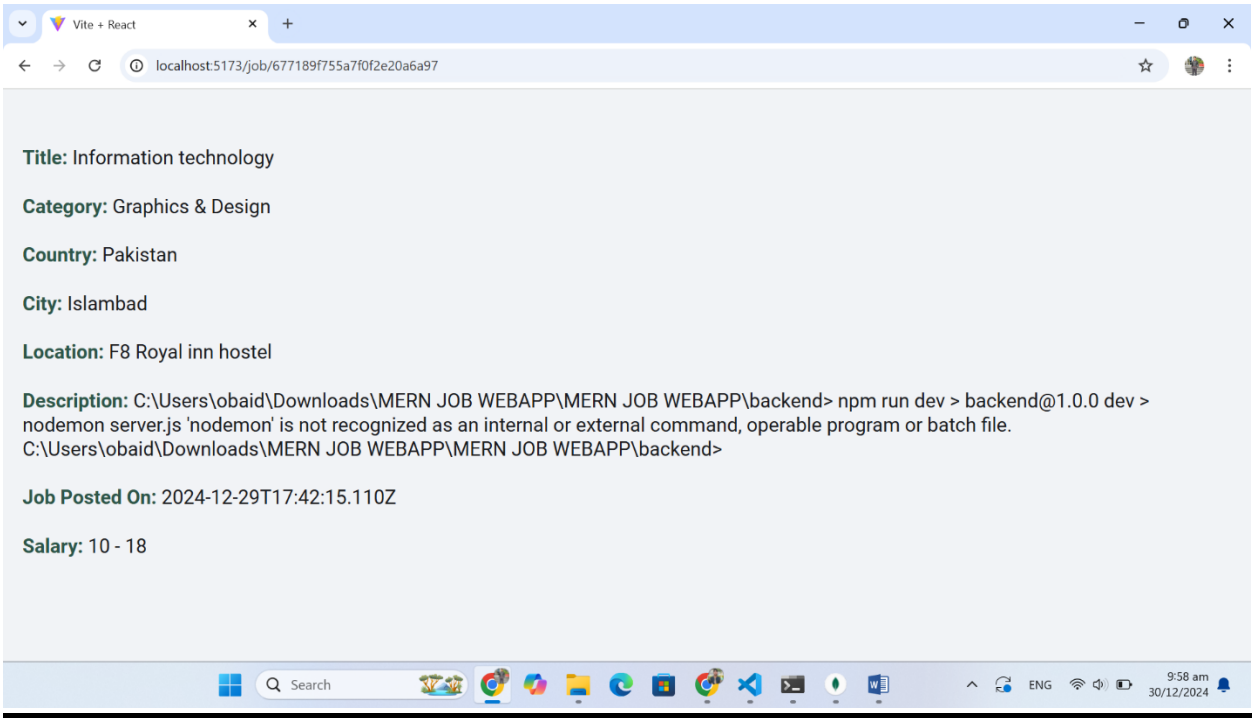
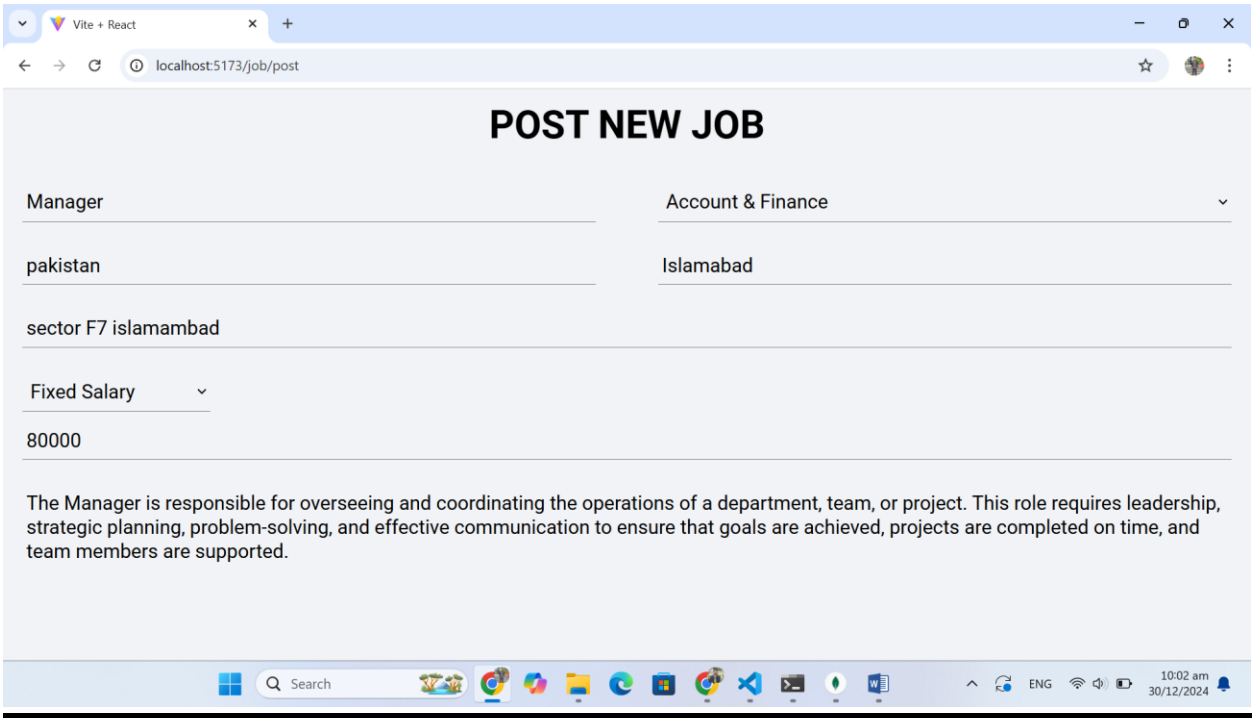
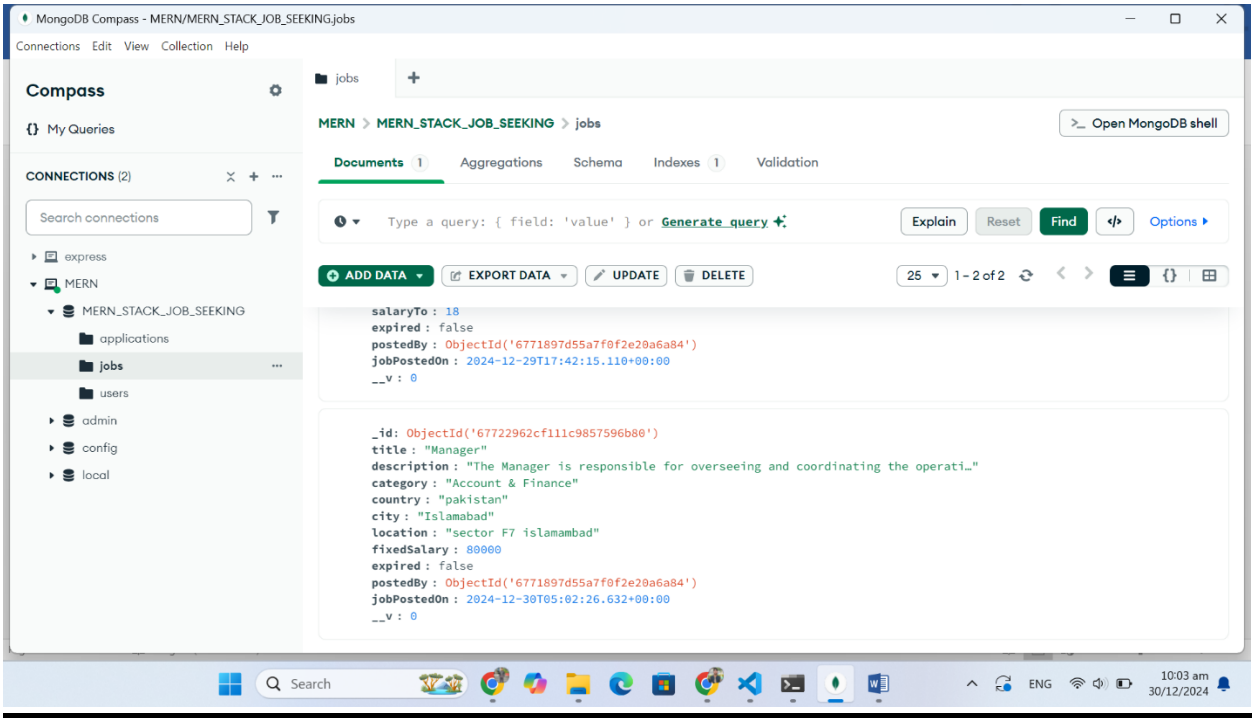
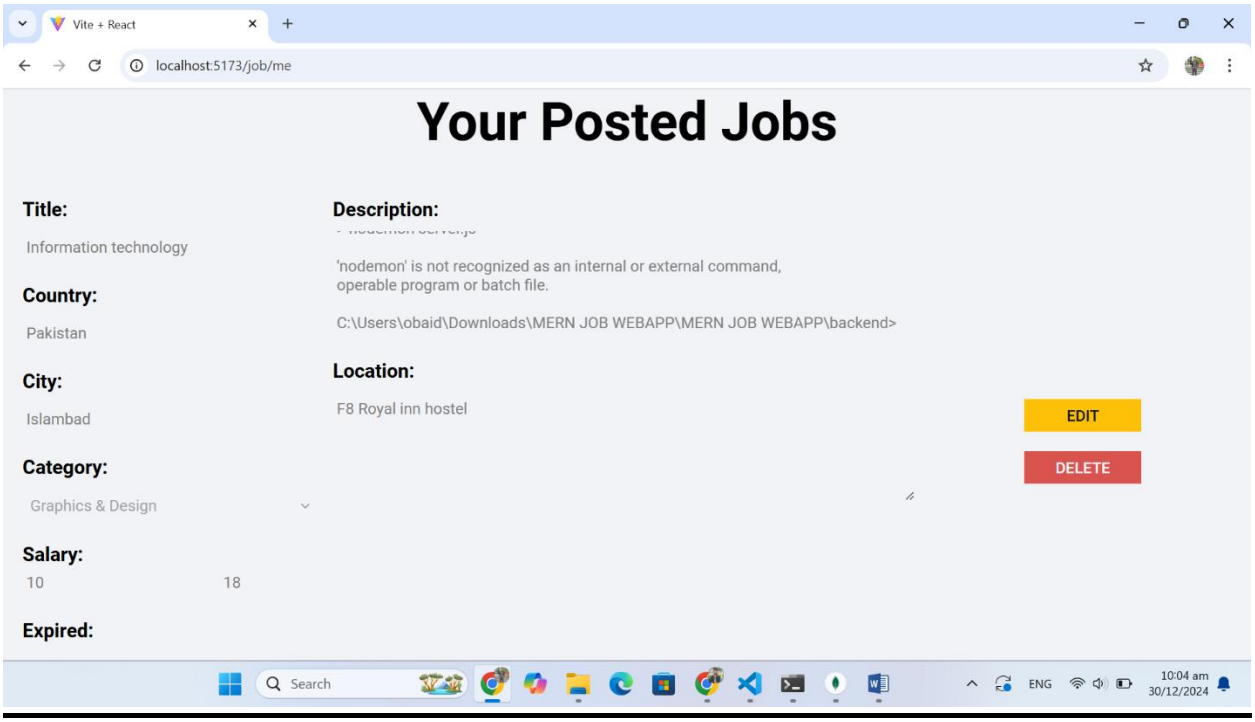
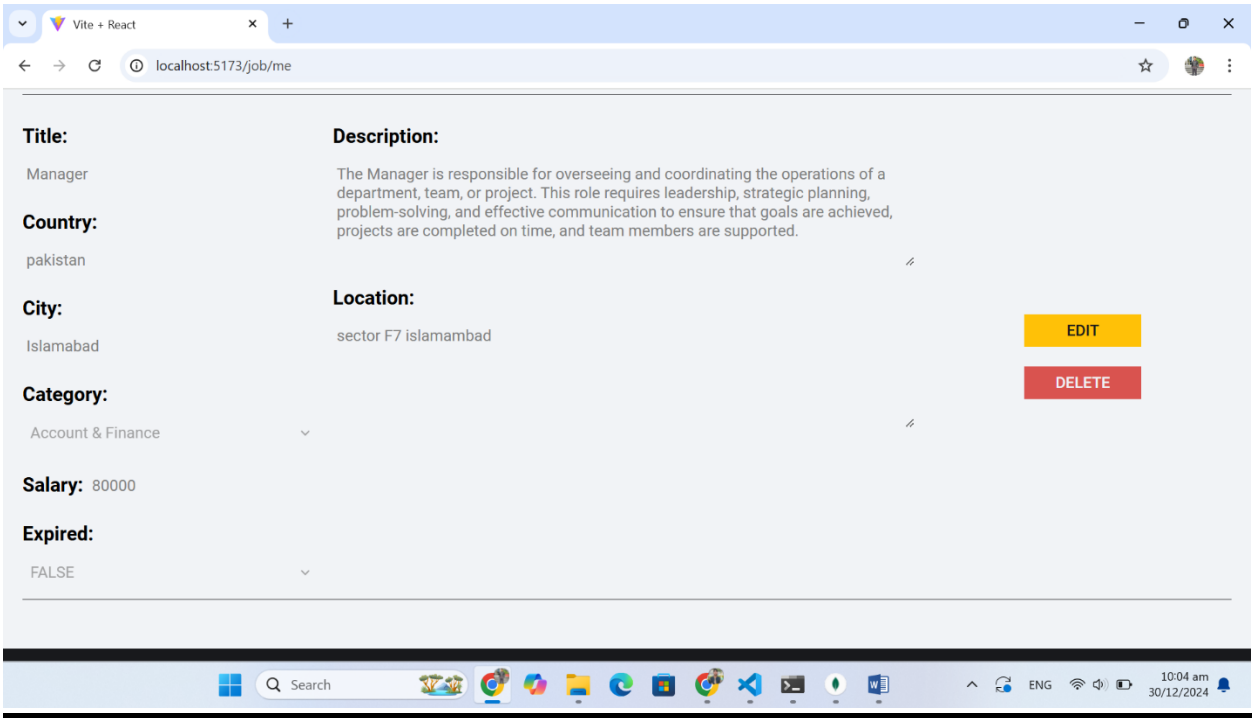


How to Post a New Job:



Job Inserted in the Database:



All Posted Jobs:

We can also Edit or Delete the Posted Job.