

# Job Board - General README

## Overview

This is a **Job Board** project consisting of two parts:

1. **Backend:** Built with **Node.js**, **Express**, **Sequelize**, and **MySQL**. It provides a RESTful API for managing users, companies, job offers, and applications.
2. **Frontend:** Built with **React.js** and **Material-UI (MUI)**. It offers an interface for users to browse job offers, apply for jobs, and manage profiles.

This README will guide you through setting up both the backend and frontend, so you can test and run the full application.

## Prerequisites

Ensure you have the following tools installed before starting:

1. **Node.js:** [Download Node.js](#)
2. **MySQL:** [Download MySQL](#)
3. **Git:** [Download Git](#)

## Getting Started

### Step 1: Clone the Repositories

You need to clone both the **frontend** and **backend** repositories.

```
# Clone the backend
```

```
git clone https://github.com/your-repository/jobboard_backend.git  
cd jobboard_backend
```

```
# Clone the frontend
```

```
git clone https://github.com/your-repository/jobboard_frontend.git
```

```
cd jobboard_frontend
```

## Step 2: Set Up the Backend

### Install Dependencies:

```
cd jobboard_backend
```

```
npm install
```

- 1.
2. **Set Up the Database:**
  - Create a MySQL database (refer to the backend README).
  - Update the `.env` file with your database credentials.

### Run Migrations:

```
npx sequelize-cli db:migrate
```

- 3.

### Run Seeders (optional if you have seed files):

```
npx sequelize-cli db:seed:all
```

- 4.

### Start the Backend:

```
npm run dev
```

5. The backend will be running at <http://localhost:5000>.

## Step 3: Set Up the Frontend

### Install Dependencies:

```
cd jobboard_frontend
```

```
npm install
```

- 1.

### Configure Environment Variables:

Create a `.env` file in the frontend directory with the following content:

`REACT_APP_API_URL=http://localhost:5000/api`

2. Ensure that the backend is running at `http://localhost:5000`.

#### **Start the Frontend:**

`npm start`

3. The frontend will be available at `http://localhost:3000`.

### **Step 4: Test the Full Application**

Now that both the frontend and backend are running, you can test the entire application by visiting `http://localhost:3000`.

- **Signup/Login:** Create a new user or log in with existing credentials.
- **Browse Jobs:** Search for job offers using the search bar.
- **Apply for Jobs:** View job details and submit applications for job offers.

## **Conclusion**

You now have a fully functional job board running locally on your machine. You can extend or customize the features, deploy the frontend and backend to production, or integrate additional services.