

# EPIUSE Technical assessment user manual

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# Installation

To install and run the application on your local machine, follow these steps:

## Clone the Repository:

```
git clone https://github.com/Mattvc-03/epiuse-assessment.git
```

## Navigate to the Project Directory:

```
cd epiuse-assessment
```

## Install Dependencies:

```
npm install
```

## Set up Environment Variables:

Create a `.env` file in the project root with the following variables:

makefile

Copy code

```
REACT_APP_SUPABASE_URL = {your supabase url}
```

```
REACT_APP_SUPABASE_ANON_KEY = {your supabase anon key}
```

I have not included my actual supabase key and url for security reasons.

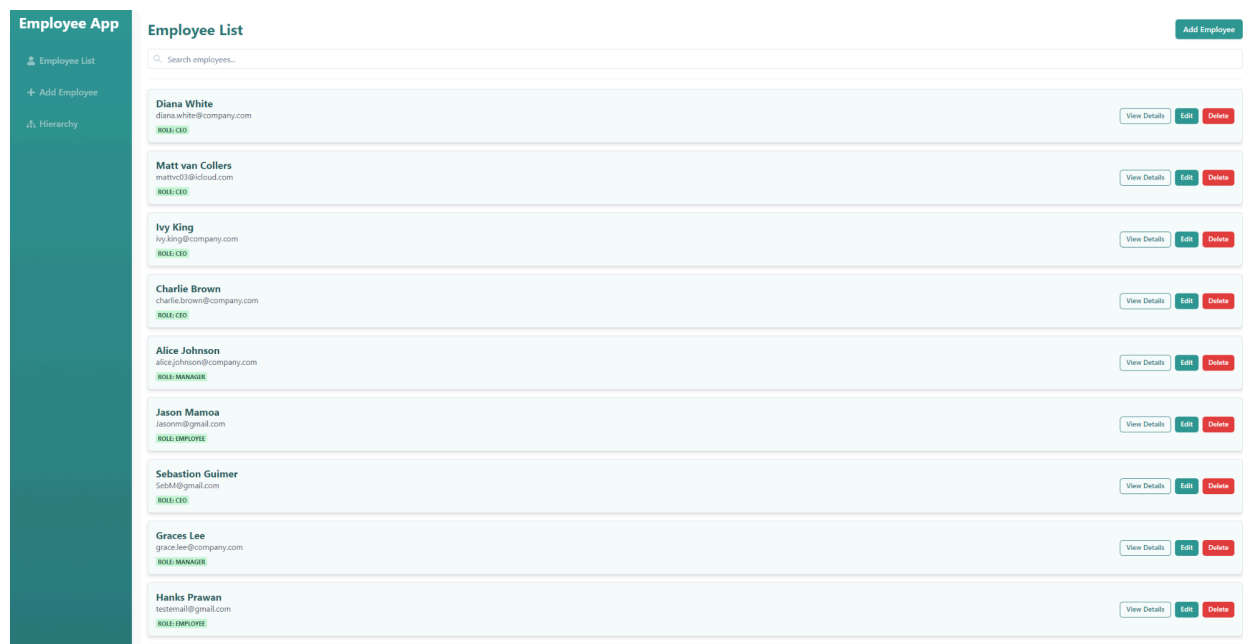
## Start the Development Server:

```
npm start
```

**Access the Application:** Open <http://localhost:3000> in your web browser

# Landing Page

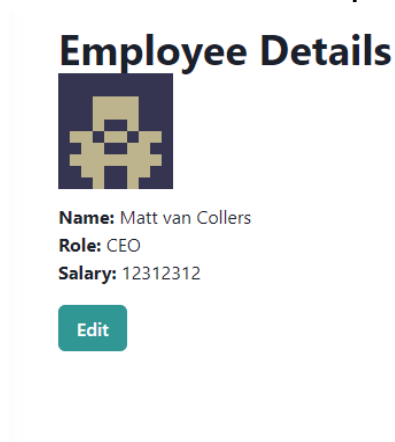
Upon accessing the website, you will be directed to the “home” page that will show you a list of all currently registered employees in the database. You can navigate through the website using the sidebar on the left.



The screenshot shows the 'Employee App' interface. On the left is a teal sidebar with navigation links: 'Employee List' (selected), '+ Add Employee', and 'Hierarchy'. The main area is titled 'Employee List' and features a search bar. Below the search bar is a table listing employees. Each row contains the employee's name, email, role, and three action buttons: 'View Details', 'Edit', and 'Delete'.

Name	Email	Role	View Details	Edit	Delete
Diana White	diana.white@company.com	ROLE_CEO			
Matt van Collers	mattvc03@icloud.com	ROLE_CEO			
Ivy King	ivy.king@company.com	ROLE_CEO			
Charlie Brown	charlie.brown@company.com	ROLE_CEO			
Alice Johnson	alice.johnson@company.com	ROLE_MANAGER			
Jason Mamoa	jasonm@gmail.com	ROLE_EMPLOYEE			
Sebastion Guimer	Seb44@gmail.com	ROLE_CEO			
Graces Lee	grace.lee@company.com	ROLE_MANAGER			
Hanks Prawn	testemail@gmail.com	ROLE_EMPLOYEE			

You can also view the users profile when clicking the “view details” button to see their “profile” and their gravatar photo.



The 'Employee Details' view shows a profile for Matt van Collers. It includes a placeholder for a profile picture (a pixelated character), the employee's name, role, and salary. An 'Edit' button is located at the bottom.

## Employee Details

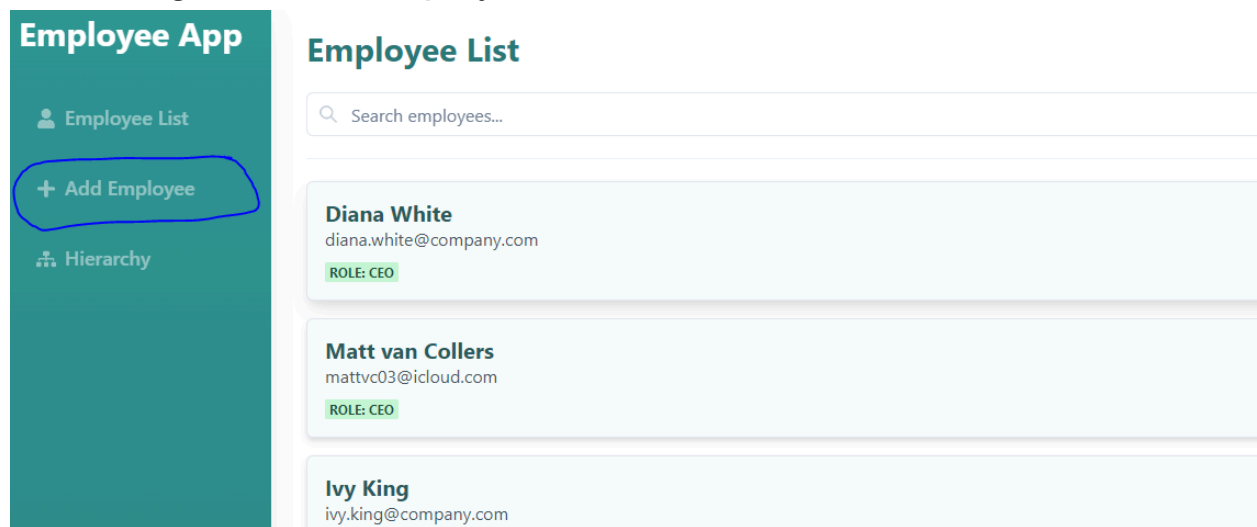
**Name:** Matt van Collers  
**Role:** CEO  
**Salary:** 12312312

Edit

# Add Employee

Adding an employee can be done through 2 ways:

1: Clicking the “Add Employee” from the sidebar



2: “Clicking the “Add Employee” from the landing page




This will then present you with a template to add your employee details and add the employee to the database:

Name \*

Surname \*


Birth Date \*

Salary \*

Role \*

Manager

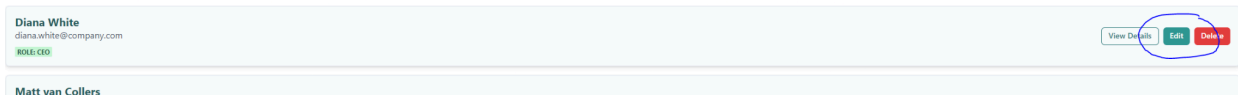
 

Email \*

Add Employee

# Update Employee

Updating an employee is as simple as clicking the “Edit” button next to any employee’s name:



This will then present you with the pre-filled form of the user’s details where you can edit and save what ever you would like, including the manager ID to change the hierarchy:

Name \*

Surname \*

Birth Date \*

Salary \*

Role \*

Manager

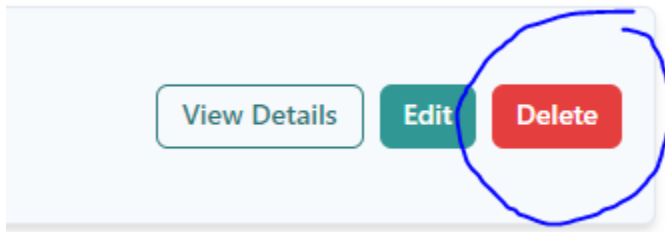
Email \*

Update Employee

Once you have made your changes, click “Update Employee” to save them.

# Delete Employee

Deleting an employee is as simple as locating them in the “Employee List” / Landing page and clicking the red “Delete” button next to their name where it will confirm that the user has been deleted:

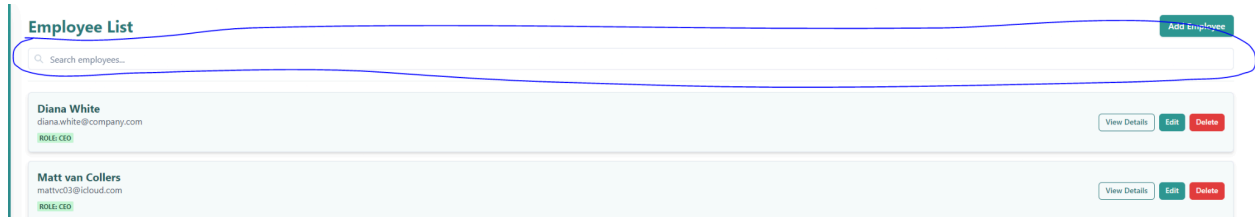


This will update the database and the hierarchy accordingly

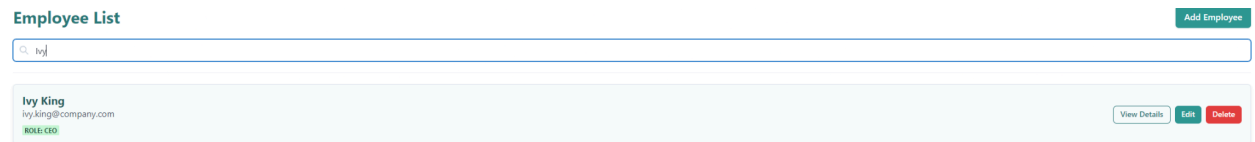


# Filter/Search

You can search for employees by using the search bar at the top of the Employee List / Landing page:

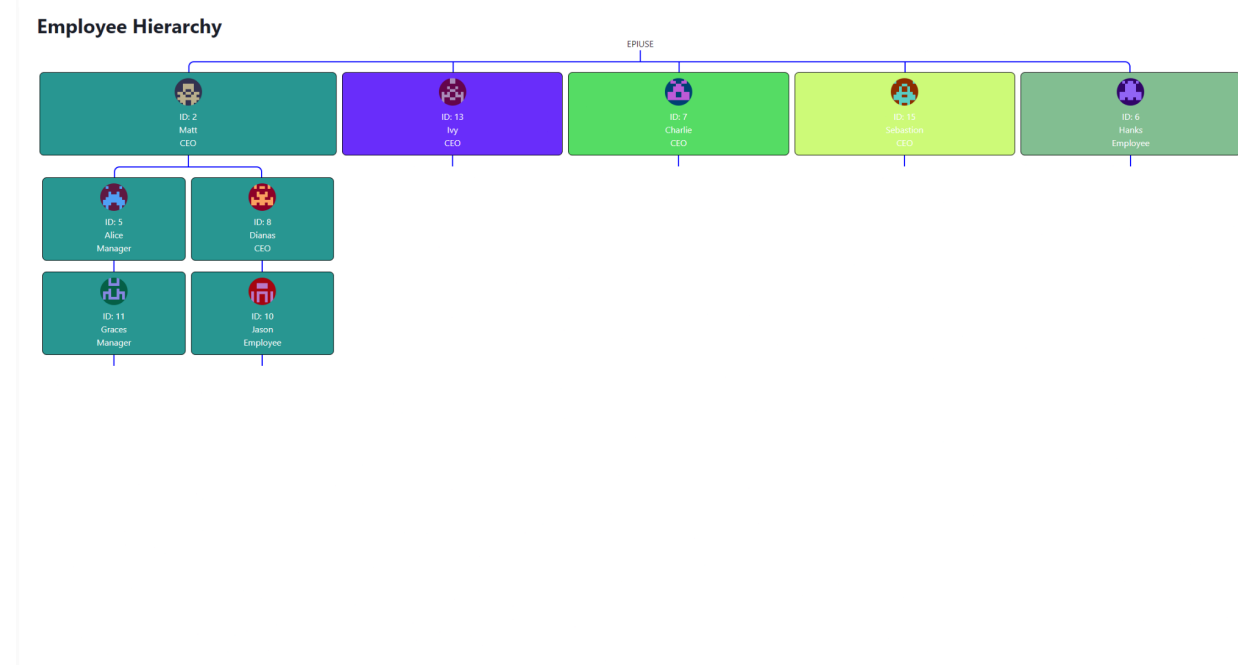


This will show a live update of employees matching the name being searched for. You can only search by name:



# Hierarchy page

The hierarchy page presents the user with a tree structure to visualize the different relationships between employees and managers. It is colour coded per root node of the tree, so each child from stemming from the same root node will have the same colour. This colour is random everytime the page opens. You can also view the user's gravatar profile photo in this page.



# Design Choices

This application uses a **client-server architecture** with a React.js frontend and an Express.js backend. The backend interacts with the Supabase database, handling all CRUD operations, while the frontend provides a responsive user interface.

- **Supabase:** Chosen for its scalability and ease of use in handling database operations.
- **React.js:** Provides a dynamic and responsive UI with smooth transitions and real-time feedback to user actions.
- **Chakra UI:** Used for its flexible and customizable components, ensuring a consistent look and feel throughout the application.
- **Axios:** Handles HTTP requests efficiently between the frontend and backend.
- **Vercel:** Chosen for deploying the application due to its ease of integration with modern JavaScript frameworks.