

BOSSY BUSINESS

USER MANUAL

A guide to all thinks mangeral

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INSTALLATION

To install and run the application on your local machine you can follow the steps below:

Clone the repository: Open your terminal and run the following command:

```
git clone https://github.com/KeganSpolidoro/Bossy_Business.git
```

Navigate to the project directory:

```
cd Bossy_Business
```

Install dependencies:

This project uses npm for dependency management. Run:

```
npm install
```

Set up environment variables:

Look for a .env file in the project root. If it doesn't exist, create one with the two variables called:

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

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

Start the development server:

Run the following command to start the application

```
npm start
```

Open the application:

Once the development server starts, you should see a message in the terminal with a local URL (<http://localhost:3000>). Open this URL in your web browser to view the application.

OR

Access the live deployed application from the following URL:

<https://bossy-business.vercel.app/>

DESIGN CHOICES

I decided to use the client server architecture for this application, purely from the fact that there was no need to have a highly complicated backend application as most of the backend functions you required for this application is just the basic create, read, update and delete operations.

I am hosting my server as a supabase edgefunction. My choice for this is supabase is really scalable, making it really easy to go back later and add new operations to the database. The server is hence easily scalable independently to the front end of the application.

The client-side React application provides immediate feedback to user actions, making the interface feel snappy and responsive. State management on the client side (using React hooks) allows for smooth updates to the UI without constant server roundtrips.

If the application needs to be scaled to handle a larger database supabase and react allows us to connect directly to the database to get realtime updates instead of using React hooks

LANDING / HOME PAGE

Upon accessing the landing page, you will be directed straight to the main home page of the application

You are then able to create a new employee by selecting the Add Employee button



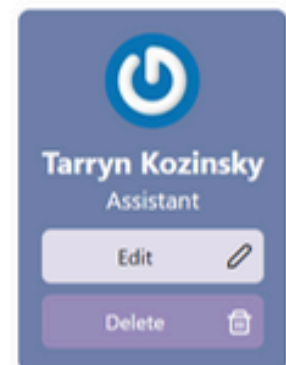
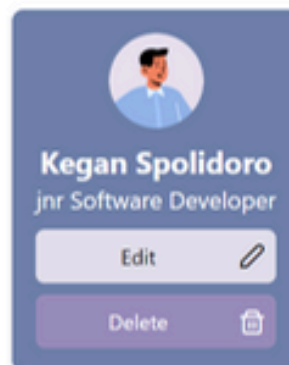
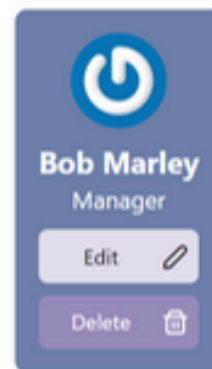
Add Employee

Organization Chart 1

Each Employee is shown in a different block with their Name, Role and Avatar.



Employees are shown in a tree/hierarchy structure based on their roles in the company

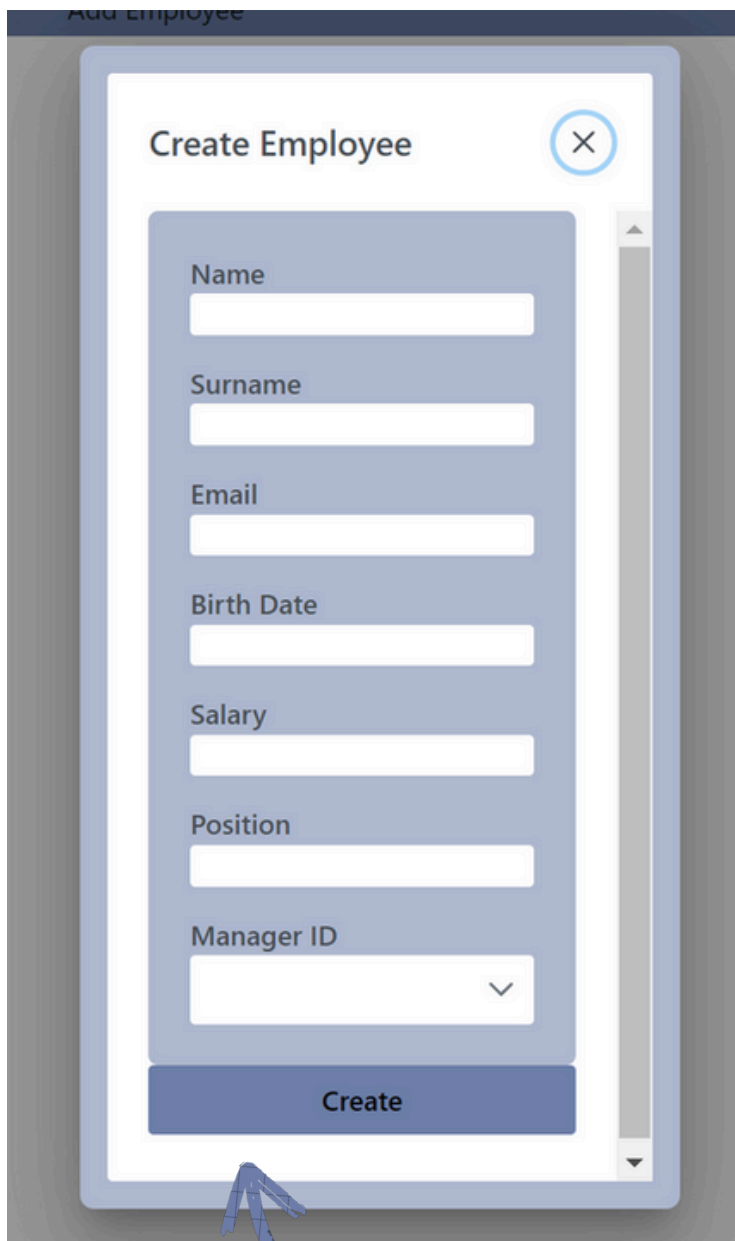


You are then able to update employee information by selecting edit

You are also able to delete an employee from the database using the delete button

ADD EMPLOYEE

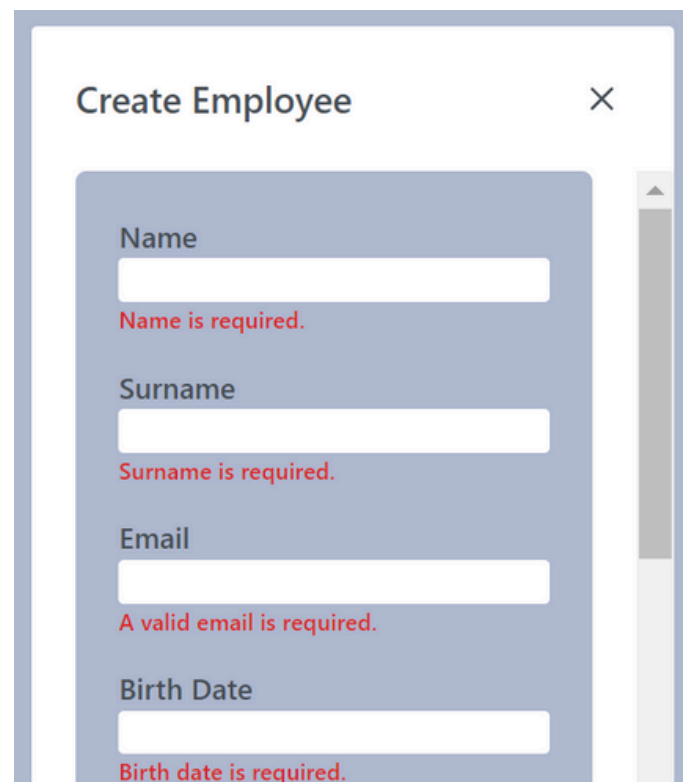
On the add new employee page, you will be prompted to enter the details of the new employee you would like to add



A screenshot of a mobile application interface titled "Add Employee". It features a "Create Employee" modal form with a close button (X) in the top right corner. The form contains several input fields: "Name", "Surname", "Email", "Birth Date", "Salary", "Position", and a "Manager ID" dropdown menu. A blue arrow points to a "Create" button located at the bottom of the form.

To confirm the addition of the new employee you confirm with the create button at the bottom

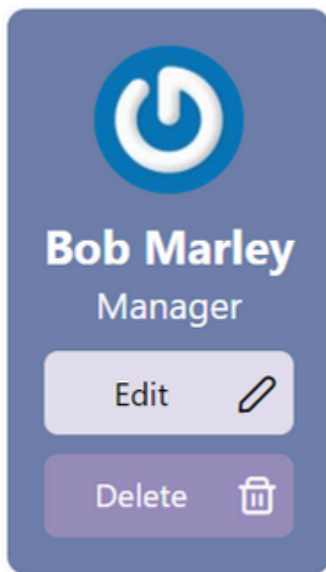
If any data is incorrectly inserted the it will prompt the user as to which data they need to correct



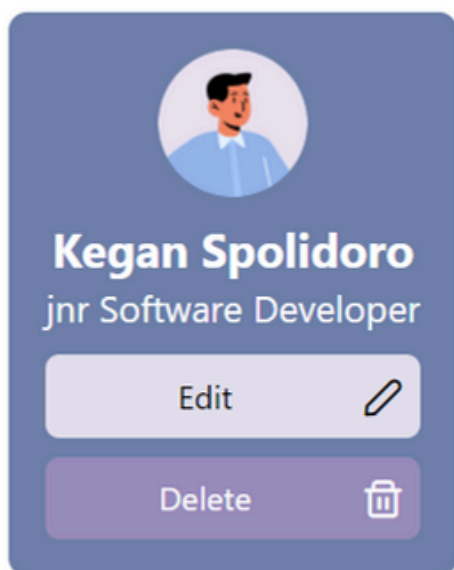
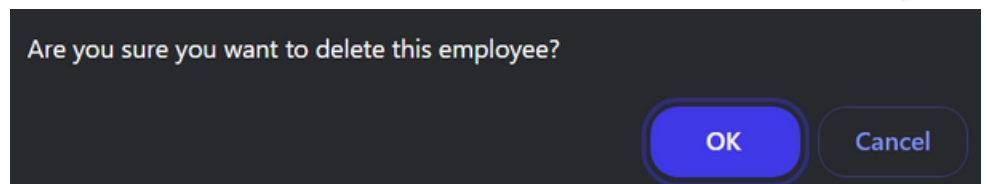
A screenshot of the "Create Employee" form showing validation errors. The form has a close button (X) in the top right corner. The input fields for "Name", "Surname", "Email", and "Birth Date" are highlighted with red error messages: "Name is required.", "Surname is required.", "A valid email is required.", and "Birth date is required." respectively. The "Salary", "Position", and "Manager ID" fields are not visible in this view.

DELETE EMPLOYEE

When selecting a user to delete, you will be presented with a confirmation page asking if you are sure you want to delete that person



If cancel is pressed then the employee will not be deleted

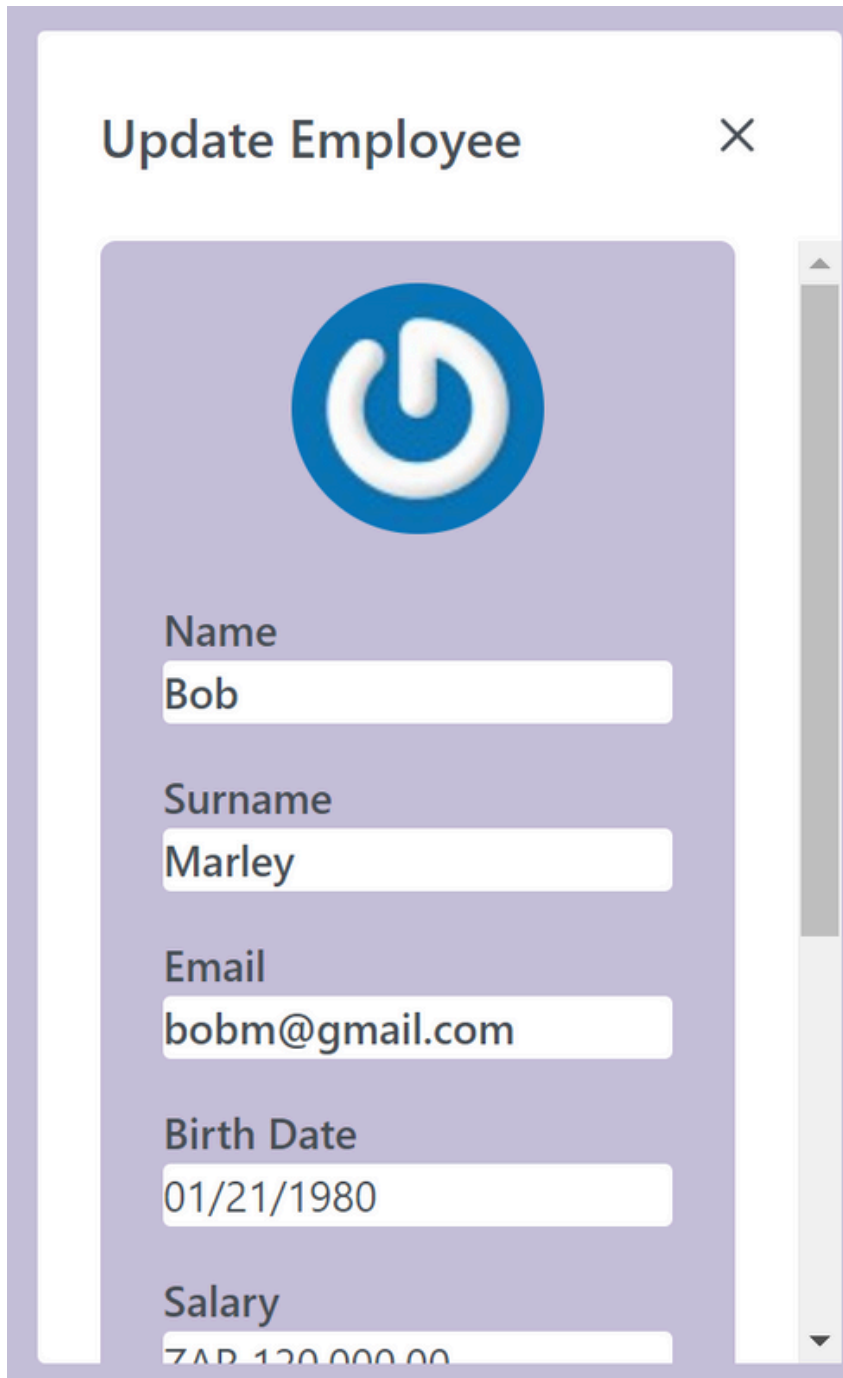


If ok is selected the user will be deleted from the database and removed from the tree




UPDATE EMPLOYEE

When selecting a user to update there will be a dialogue page with all the users current information already loaded in.



Update Employee



Name
Bob

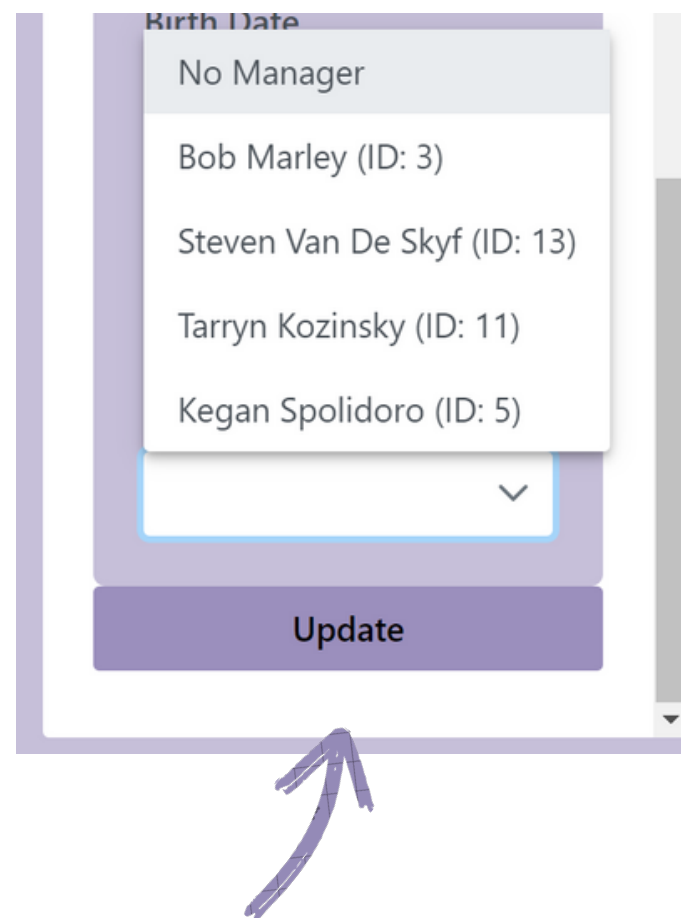
Surname
Marley

Email
bobm@gmail.com

Birth Date
01/21/1980

Salary
ZAR 120,000.00

By typing in each input box you are able to change the users current information



Birth Date

No Manager

Bob Marley (ID: 3)

Steven Van De Skyf (ID: 13)

Tarryn Kozinsky (ID: 11)

Kegan Spolidoro (ID: 5)

Update

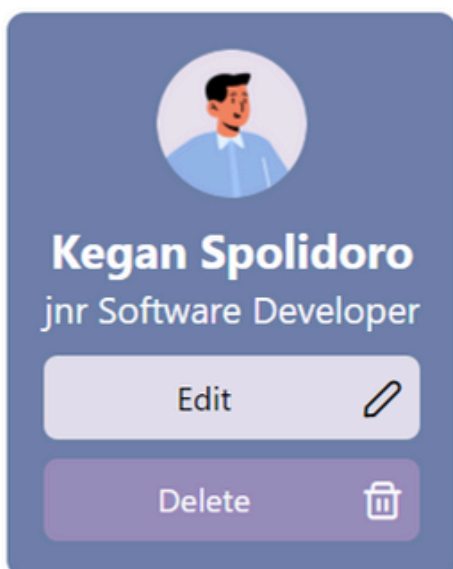
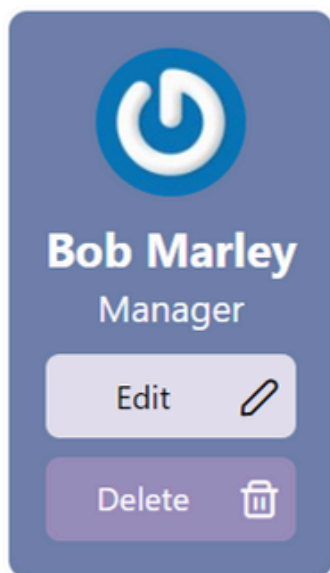
To confirm the changes you have made to the employee you simply click the update button at the bottom of the form

FILTER / SEARCH

In the top right of the screen is a search bar where you are able to search, filter the employees by Name, Surname or Position.

Search Employees

when the search bar is empty it will show every person currently in the database



kegan

When you type a one of the search criteria you are looking for it will show that user in the tree and all the people above that person in the hierarchy tree