**AdminUI Challenge**

This web app was created for the Geektrust frontend admin UI challenge. It is a simple React app that allows users to view and edit information about a list of people.

**Installation**

To run this app locally, you'll need to have [Node.js](https://nodejs.org/) installed on your machine.

1. Clone this repository to your local machine.
2. In the project directory, run **npm install** to install the necessary dependencies.
3. Run **npm start** to start the development server.
4. Open **http://localhost:3000** in your web browser to view the app.
5. if your port 3000 is busy, then make necessary changes in package.json as follows

"scripts": {

"start": "PORT=8081 react-scripts start",}

or you can keep any port number you want in place of 8081.

**Usage**

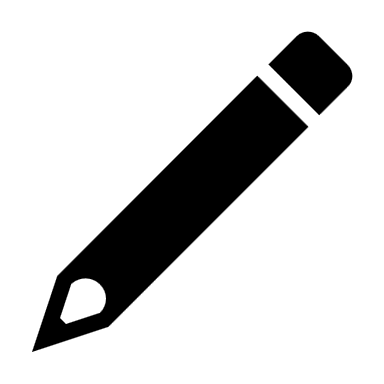
Once the app is running, you should see a list of people on the home page.

Clicking on a particular checkbox will select a person's name(row). you can view and edit their information in-place, just by clicking edit button displayed as pen symbol

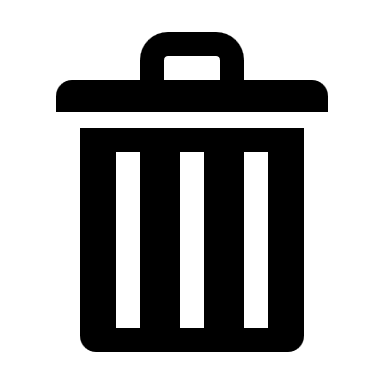
This data is fetched from API endpoint provided by Geektrust: https://geektrust.s3-ap-southeast-1.amazonaws.com/adminui-problem/members.json

Features on this app and their usage:

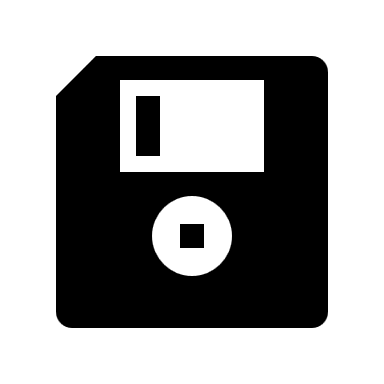
1. Heading (Admin UI) ----> It just displays title
2. Search Bar ---> You can filter data based on search criteria. It will search in all three columns viz Name, Email and Role.
3. Table
   1. Table contains Column Headings on the top
      1. Name, Email, Role are main column headings representing data
      2. First column Heading is a Checkbox is a master checkbox and is a shortcut to select or deselect all displayed rows.
      3. Last Column Heading informs user that it’s an Action buttons column
   2. Table Rows are the entries fetched by API
      1. First column in each row is Checkbox which will select/deselect that particular entry. Once particular entry is selected, that row will change its background colour for better visibility
      2. Second, third fourth column is the actual data fetched by API
         1. In default mode, these columns are Read-only
         2. In Editable mode, user can edit any of these 3 columns in-place
         3. In case, user feels, edit made is not required and he wants to cancel his changes, user can simply press any of X button, it will turn-off editable mode and will not save changes made
      3. Fifth and last column represents action buttons



* + - 1. Edit Button: Pen Symbol is an edit button. Visible only in default mode. It changes particular row in editable mode. If User wants to edit any particular entry, admin can press edit button in front of respective row and editable mode will be opened and pen symbol will not be visible, Instead Save button will come in that place



* + - 1. Delete Button: Trash Symbol is a delete button. It will delete particular row directly. There is no warning signal right now, so, be cautious before taking delete action



* + - 1. Save Button: Floppy Symbol is a save button. It will be enabled only in editable mode. Once user is done making changes, user can click save button and column will turn into default mode effecting changes

1. Below the tables are some buttons, also called as footer buttons
   1. Delete Selected: Whichever entries will be selected on visible data, will be deleted. Again, be cautious while deleting as no warnings appear
   2. Pagination buttons: They are Dynamic in nature. Table is programmed to show maximum 10 entries. So, if there are e.g. 36 entries, then only 4 page numbers will be visible. Current page will be highlighted with different colour of pagination buttons

**Development**

This app was created using [React](https://reactjs.org/). The app state is stores as a global state using Context API, and the UI is built using React and Material UI components.

**Contributing**

If you'd like to contribute to this project, Please follow the procedure as given in README.MD and feel free to submit a pull request or open an issue on GitHub.

**License**

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