Technical Documentation

Current Date: 14-01-2022

Company : SIIT

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Product Objectives

We are building an employee platform. Let's call it Siit :) Companies can already fetch infos from their different SAAS and backend developers have provided an API for us to query.

Challenge

Level 1: Fetching our employees
For this first version, we want to list all our users with their profile pic, name, position. Display these information on the index page.

This API is accessible with a GET request at /users.json on your local server.

Level 2: Fetching our services
We now want to list all the services that the company is using, along with their logo, and a link to open the service's homepage on a new tab.

This API is accessible with a GET request at /services.json on your local server. Show these information on the same index page below the user list.

Level 3: Showing users of a given service
We now want to filter our users by service. Example: clicking on the Payfit service should only display two users.

You can use the route GET /users.json?service_id=xxx by replacing with the correct service_id on your local server.

Level 4: Showing price information
For each service, we want to see the monthly cost. Use the fields price on the service.json enpdoint to compute the monthly price as follow:

$$MONTHLY\_COST = FLAT\_COST + COST\_PER\_USER * (NB\_USERS\_USING\_THE\_SERVICE - NB\_USERS\_INCLUDED$$

ESSENTIAL COMMAND
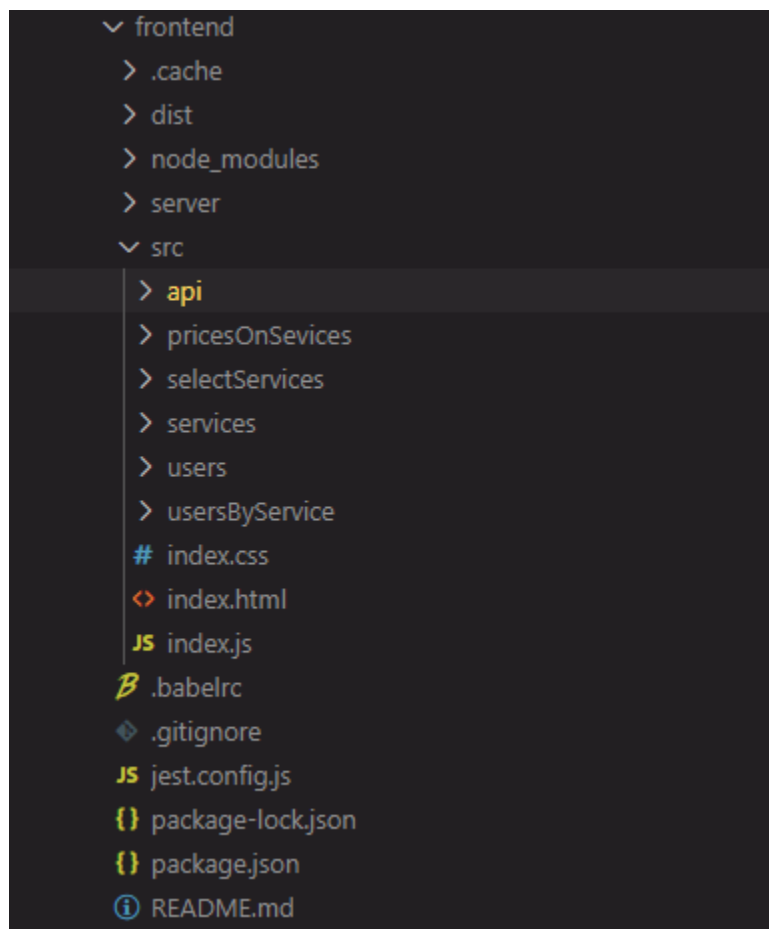
Install Libraries : npm install;
Start the project : npm start;
Run test : npm run test;

Libraries used

Framework : React
Testing : React Testing Library & Jest

Folder Structure

- Root of the applications is at index.js
- All the API calls are placed inside api folder (src/api)

- All the features related to the project are organised with separate folders containing tests and css and js. Better useful in project extension.
- Global CSS is indicated inside index.css

Features

SIIT Employees : This section contains information about SIIT employees, fetched from /users.json endpoint

SIIT services : This section contains information about SIIT services, fetched from /services.json

Users Based On Services : This section contains checkout that helps in getting users based on multiple selections of services.

Prices based on Services : This section contains information of the prices monthly for specific service

Formula to calculate monthly prices : MONTHLY_COST = FLAT_COST + COST_PER_USER * (NB_USERS_USING_THE_SERVICE - NB_USERS_INCLUDED

- Possible to sort services based on prices Ascending and Descending (Click on "Monthly Prices")

Thank you