Frontend Engineer Coding Task

❖ Please find the form: [Behavioral Survey](#)

Create a contact management app with Charts and Maps using ReactJS, TypeScript, TailwindCSS, React Router v6 and React Query aka TanstackQuery. Please create a GitHub/GitLab repo and possibly deploy your app on free services like Vercel, Github Pages or Heroku etc

Objective Page Contacts:

The app should have a form for adding new contacts

The app should display a list of all added contacts

Each contact should have a button to view the contacts details

The app should be able to edit and delete contacts

Make use of Redux to store the contact data

Objective Page Charts and Maps:

Build a simple dashboard with:

- A line graph showing the cases fluctuations

- A react leaflet map with markers that indicates the country name, total number of active, recovered cases and deaths in that particular country as a popup.

Please use below APIs to fetch data and create dashboards.

World wide data of cases: https://disease.sh/v3/covid-19/all

Country Specific data of cases: https://disease.sh/v3/covid-19/countries

Graph data for cases with date:

https://disease.sh/v3/covid-19/historical/all?lastdays=all

Instructions:

Use create-react-app with TypeScript to set up the basic structure of the app Use React Query to handle API calls and data management

Use Tailwind to style the app

Use TypeScript to type-check the code

The app should be responsive and should look good on desktop and mobile devices

The app should be well-structured and easy to maintain.
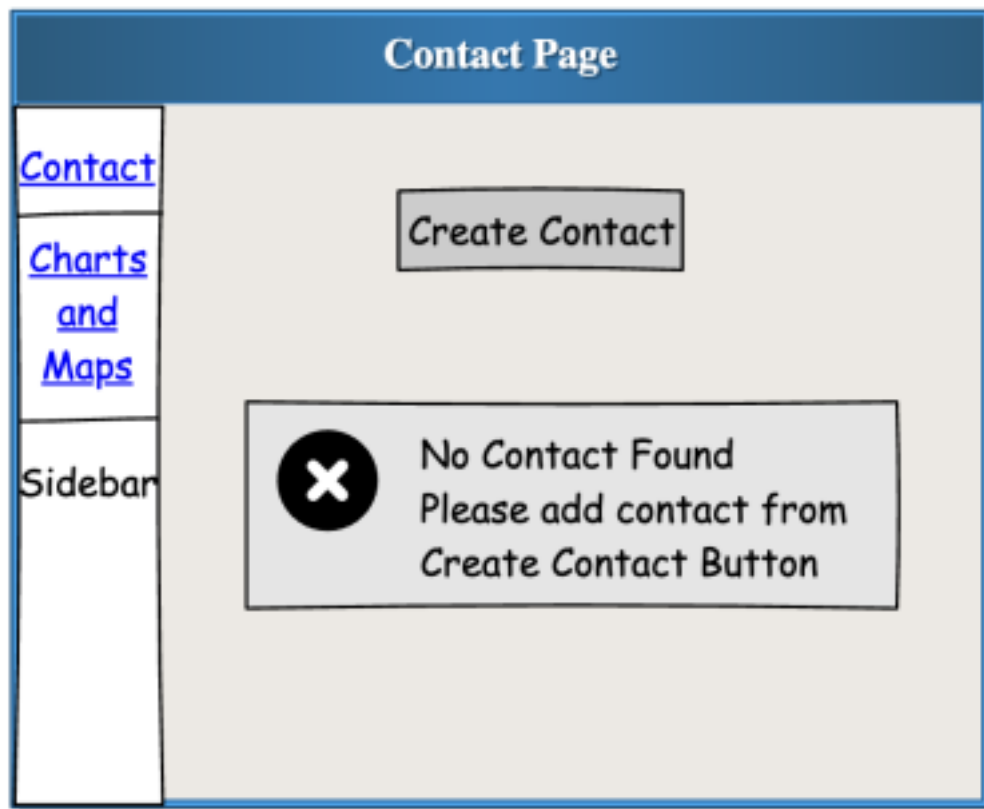
Deliverable:

A working contact management app with Maps and Charts

Properly commented code

A brief documentation on how to run the app, including information on the API endpoint used.

WireFrames:

Contact Page

Create Contact Screen

Contact

Charts and Maps

Sidebar

First Name: [_____]

Last Name: [_____]

Status: ○ Active
         ● Inactive

[Save Contact]

Contact Page

Contact

Charts and Maps

Sidebar

[Create Contact]

| 88 x 56 | 90 x 56 |

[Edit]   [Edit]

[Delete]   [Delete]

Contact Page

Contact

Charts and Maps

Sidebar

Edit Contact Screen

First Name: | John

Last Name: | Doe

Status:
- ○ Active
- ● Inactive

Save Editted Contact

Charts and Maps

Contact

Charts and Maps

This Page

Sidebar

Render maps as mentioned in the question

Charts and Maps will be here