Hello Candidate,

This Google Drive contains 4 data files (csv) and assignment questions and instructions.

[**https://drive.google.com/drive/folders/19JtCavYRn5ImZb9ooLp6vozKAqeP5yU9?usp=sharing**](https://drive.google.com/drive/folders/19JtCavYRn5ImZb9ooLp6vozKAqeP5yU9?usp=sharing)

**Create a list of charts, dashboard to show the data based on the given slices of json data.**

**Data -** [**Link**](https://drive.google.com/drive/folders/1pqReCKAiFYXmcp6VXMYd54K00J5CM5CR?usp=drive_link)

1. Customer type.json
2. Account Industry.json
3. Team.json
4. Product Line.json

**Backend Tasks:**

You need to do the following:

1. Read the data JSON files
2. Organize the data based on how you are planning to implement in the front end
3. Send the data as a API response

**Frontend Task** [**Screenshot**](https://drive.google.com/file/d/1gH264xbJ2F8gwJ53aVRpmaEcWEZtHfFG/view?usp=drive_link)

1. Consume the API you have created
2. Use Material UI to create a card for every data slice / for every csv.
3. Use d3.js library to visualize the data as charts such as bar chart and the doughnut chart as shown in the screenshot

**Programming Language:**

* TypeScript/JavaScript for backend
* ReactJS for Frontend (good to use Redux, Functional Components)
* Final submission to be done in github repo.
* Add a screenshot of the frontend along with repo.
* Please add as much comments in the code as possible, it will help us evaluate better

**Submission time:**

Sunday 06 April 2025, End-of-day