Front-End Final Project Journal

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Team Members:

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2. Shweta Korulkar

Git Repo Link:

- https://github.com/sk192/Front_End_Web_Dev_Project

Deployed site link:

- https://covid19-web-dashboard.herokuapp.com/

Project Ideas and brainstorming:

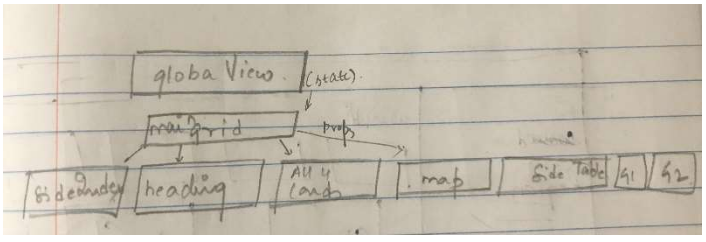
- Brain stormed Ideas for the project and finalized to work on COVID-19 dashboard. We want to have two parts in this dashboard, so we both have different parts we can work on. (We thought separation of work will be best idea considering Swetha is going to work from different country with different time zone and decided have weekly sync up or meet regularly when needed).

- So, ***first part*** of the dashboard is going to be about **covid cases** across globe and each country, on which I will be working on. And finalized that **Vaccination,** is going to be ***second part*** of the dashboard (shweta searched related API's for the project) after omitting ideas of, some related topics like, Businesses that got effected due to covid, Air quality of different countries during pandemic in different countries, comparing covid with other pandemic's before covid, like influenza.

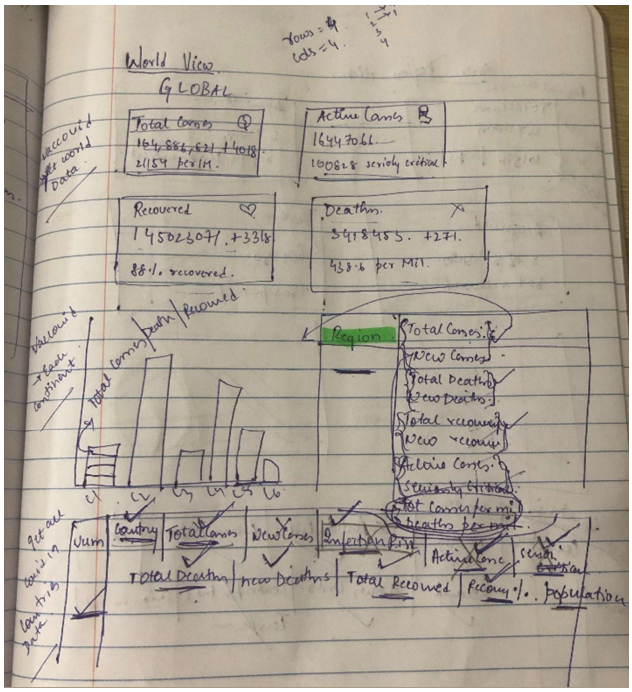
- Designed the wireframes for the dashboard, describing how we want to present the information and how responsive our design is going to be. (Presented in Project proposal).

What worked:

- Having a structure in mind and planning to work on each component/ part one after the other really help me to complete the project and keep on track. (This includes deciding which component is going to be a parent component and pass data to its child component through props etc.)



- Pic demonstrating "GlobalView" is my parent component followed by child components which take required data from parent component through props.



- Planning where each data goes on the screen helped me decide which calculation I need to do and which data need to be passed to each component.

What did not work:

- I originally want to include a map and display data when we hover over the map. Tried working on that for a while and couldn't able to achieve what I wanted to do with maps (had trouble with tootip). As this is stopping me from doing other parts of the dashboard, I decided to come back to it in the end, but ended up not implementing that.
  Next time I want to implement this feature.

Issues I ran into and how I fixed:

- Before implement any UI component, the first thing I did was to fetch all the required data and store it in a parent components state. After achieving desired structure of the state and hitting all the end points and doing all required calculations, the API I was using broke and did not work for two days. So I had to do a lot of changes when shifting to a different API as the structure of the data is different.

Packages Installed:

(Few packages installed by both of us)

Chart.js → for displaying graphs.

React-icons → to display mini icons where ever required.

React-bootstrap → for nav-bar

React-router-dom → for routing to different pages

React-svg-worldmap → for displaying world map, but did not use it.

what I might do differently

- I really enjoyed using react and would definitely use it for web development in future projects.
- In this project for displaying table, I just ran a loop and created <tr> tags. I came across react-table which is a head-less UI. I really liked how it provides a lot of features like global search, column search, sorting etc. I came across this after completing my tables in this project. I will try to implement tables with react-tables next time.
- There are many headless UI elements provided, that we can use in react along with react-table which makes a lot of work easier and also provide many additional features by-default. I want to work with these elements next time.