

# Front-End Final Project Journal

*Name: Sree Vandana Nadipalli*

## Team Members:

1. Sree Vandana Nadipalli
2. Shweta Korulkar

## Git Repo Link:

- [https://github.com/sk192/Front\\_End\\_Web\\_Dev\\_Project](https://github.com/sk192/Front_End_Web_Dev_Project)

## Deployed site link:

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

## Other API's, Datasets and Resources Used:

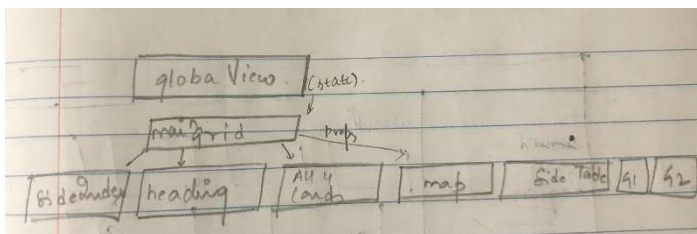
- Included all linked in GitHub Readme.

## Project Ideas and brainstorming:

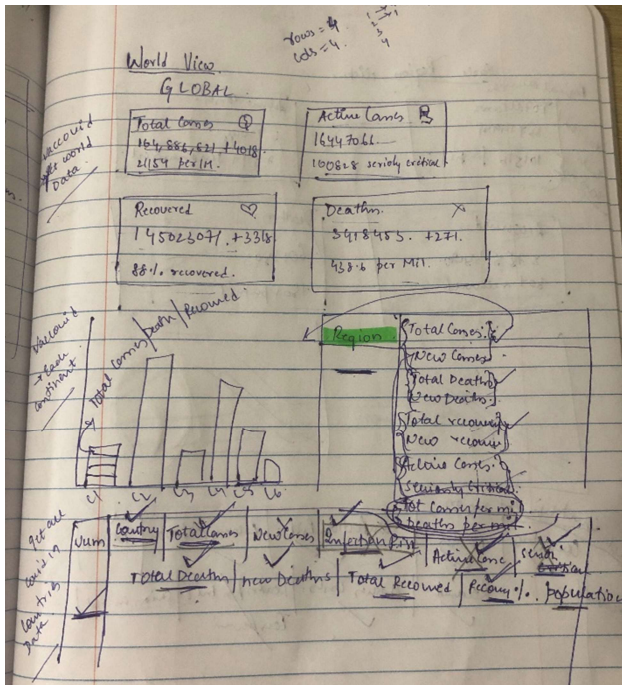
- Brain stormed Ideas for the project and finalized to work on COVID-19 dashboard. We want to have two parts in this dashboard, so we both have different parts we can work on. (We thought separation of work will be best idea considering Swetha is going to work from different country with different time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

## Commits and the lines of code:

### 1. Number of Commits

```
SreeV@DESKTOP-KR0Q900 MINGW64 /d/spring21/FrontEnd/project/Front_End_Web_Dev_Project (main)
$ git shortlog --numbered --summary
180 sk192
44 Sree-Vandana
1 Sree Vandana
```

### 2. Number of Lines (per person)

```
SreeV@DESKTOP-KR0Q900 MINGW64 /d/spring21/FrontEnd/project/Front_End_Web_Dev_Project (main)
$ git log --format='%aN' | sort -u | while read name; do echo -en "$name\t"; git log -
-author="$name" --pretty=tformat: --numstat | awk '{ lines += $1 - $2 } END { printf "
lines: %s\n", lines }' -; done
sk192 lines: 112277
Sree Vandana lines: 34
Sree-Vandana lines: -83046
```

- Don't know why my number of lines are in negative (-83046). Here is the list of files I have worked on.
- I have worked on covid cases part of the project (files present in Components/cases folder) along with navbar.jsx and navbar.css; about.jsx and one CSS file (src/css/cases.css).
- Below is the table with file names and number of lines (based on 3<sup>rd</sup> cmd).

S.no	File names	Lines per page
1.	src/components/about.jsx	50
2.	src/components/cases/CountryGloabTable.jsx	60
3.	src/components/cases/countryDataTable.jsx	237
4.	src/components/cases/countryGloabBarGraph.jsx	53
5.	src/components/cases/countryLinearGraph.jsx	158
6.	src/components/cases/covidInfo.jsx	6

7.	src/components/cases/globalView.jsx	450
8.	src/components/cases/regionStatus-barGraph.jsx	79
9.	src/components/cases/regionTableData.jsx	219
10.	src/components/cases/statusCardsContainer.jsx	60
11.	src/components/navbar.css	41
12.	src/components/navbar.jsx	59
13.	src/css/cases.css	608
	<b>Total</b>	<b>2080</b>

### 3. Lines of code in the project (ignoring some config files)

```
SreeV@DESKTOP-KR0Q980 MINGW64 /d/spring21/FrontEnd/project/Front_End_Web_Dev_Project (main)
$ git ls-files --exclude-standard -- '!package-lock.json' '!:**/*eslintrc' | xargs wc -l
 23 .gitignore
3314 FrontEnd-Project-Journal-SreeVandana.pdf
1137 FrontEnd_Project_Journal-ShwetaKorulkar.pdf
 35 README.md
 59 package.json
25075 public/dataset/vaccinations-by-manufacturer.json
3281 public/dataset/vaccine_data_global.json
 12 public/favicon.ico
 30 public/index.html
  9 public/manifest.json
  3 public/robots.txt
 35 src/App.css
 38 src/App.js
  8 src/App.test.js
 28 src/components/HomePage.jsx
 50 src/components/about.jsx
 60 src/components/cases/CountryGloabTable.jsx
237 src/components/cases/countryDataTable.jsx
 53 src/components/cases/countryGloabBarGraph.jsx
 63 src/components/cases/countryLinearGraph.jsx
158 src/components/cases/countryView.jsx
  6 src/components/cases/covidInfo.jsx
450 src/components/cases/globalView.jsx
 79 src/components/cases/regionStatus-barGraph.jsx
219 src/components/cases/regionTableData.jsx
 60 src/components/cases/statusCardsContainer.jsx
 63 src/components/footer.css
107 src/components/footer.jsx
 10 src/components/homePage.css
18313 src/components/images/covid2.jpg
 517 src/components/images/pic2.jpg
 41 src/components/navbar.css
 59 src/components/navbar.jsx
 67 src/components/vaccineData/TableData.css
 48 src/components/vaccineData/TableData.jsx
 51 src/components/vaccineData/VaccineInfo.jsx
 51 src/components/vaccineData/barchart.css
155 src/components/vaccineData/barchart.jsx
 96 src/components/vaccineData/stackedBar.jsx
215 src/components/vaccineData/vaccineManufacture.css
143 src/components/vaccineData/vaccineManufacture.jsx
608 src/css/cases.css
  7 src/index.css
 17 src/index.js
 13 src/reportWebVitals.js
  5 src/setupTests.js
55108 total
```