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Lab 2 - It's Corona Time

Platform:	1
Platform:	1
Programming Languages:	1
Feature List:	2
Important features:	2

COVID-19 Stats and Mobility Trends

Data we have:

1. Grocery & Pharmacy Mobility trends
2. Parks Mobility trends
3. Residential Mobility trends
4. Retail & Recreation Mobility trends
5. Transit station Mobility trends
6. Workplace Mobility trends
7. Total Cases of SARS-CoV-2
8. Fatalities caused by CoV-19
9. Government Response Stringency Index
10. COVID-19 Tests performed
11. Population
12. Population Density per km2
13. Health System Index
14. Human Development Index (HDI)
15. GDP (PPP) per capita
16. Elderly Population (percentage)

Platform:

Web Application, Node.js

Programming Languages:

- JavaScript
- Python

- HTML
- CSS

Feature List (Questions of Interest):

1. Feature 1: As a user, I want to know the # of cases in the US vs. a different country at a certain time
2. Feature 2: As a user, I want to know if more people are going grocery shopping now vs. before the pandemic hit
3. Feature 3: As a user, I want to know if more people are spending time outdoors vs. before the pandemic hit
4. Feature 4: As a reporter, I want to know how COVID has affected the human development index in various countries.
5. Feature 5: As a user, I want to know how the US is doing now vs. before the pandemic hit
6. Feature 6: As a user, I want to know how many companies are adapting to the pandemic (wfh rate and going to the workplace rate)

GUI

- Search bar with filters for contrast
 - Country filter, date range, activity (i.e. grocery/pharmacy, workplace, etc)
 - Option to add another country if you want to compare