BBCDS Artifact

Features:

1. **11/12 Sprint-6**
    a. Implement incremental analytics for the age group with the most cases chart.
    b. Implement incremental analytics for the location with the most cases chart.
    c. Implement incremental analytics for the Death to Recovery chart.
    d. Add support for parsing a new covid dataset into the same format as the current dataset
    e. Successfully merge the two datasets together for use throughout the api

Test Cases:

1. View the age group with the most case chart on the analytics page. Then insert a new row of data and view the chart again on the analytics page.
    a. Correct Output: The time needed to load the age group with the most cases chart with the newly inserted data should be less than computing the chart with the whole dataset.
2. View the location with the most cases on the analytics page. Then delete a row of data and view the chart again on the analytics page.
    a. Correct Output: The time needed to load the location with the most cases chart with the newly deleted data should be less than computing the chart with the whole dataset.
3. View the Death to Recovery chart on the analytics page. Then update a row of data and view the chart again on the analytics page.
    a. Correct Output: The time needed to load the location with the Death to Recovery chart with the newly updated data row should be less than computing the chart with the whole dataset.
4. View the dataset in the analytics page
    a. Correct Output: The dataset should contain 14.6k lines of data. Or also as 14.6k cases of covid.

Taskboard:

1. **11/5 Sprint-5 Done List**
    a. Sprint Artifact Planning
    (finished by Everyone)
    b. Setup the analytics page
    (finished by Shuang, Biqian, Dominic)

c. Total up each column of data in the dataset and store them in the analytics page to be ready for display purposes.
   (finished by Dominic)
d. Display the totals and averages and organize them based on their relevance to each other. Also display this in an easily digestible way for users to read.
   (finished by Shuang, Biqian, Dominic)
e. Plug in the whole dataset into our existing charts and place them onto the analytics page.
   (finished by Shuang)
f. Add the location input field into the homepage search ui.
   (finished by Biqian, Dominic)
g. Pass the location input value to the backend
   (finished by Biqian)
h. Handle support for filtering by location on the backend
   (finished by Dominic)
i. Modify the data table so that each row is collapsible. When not collapsed it'll show the data present in the Summary column.
   (finished by Chunho, Dominic)
j. Fix bugs throughout the project
   (finished by Biqian, Shuang, Dominic)
k. Upload Demo video.
   (finished by Biqian, Shuang)

2. 11/12 Sprint-6 Done List

a. Sprint Artifact
   (finished by Biqian Cheng, Dominic Lee, Shuang Zhou)
b. Implement incremental analytics for the age group with the most cases chart.
   (finished by Dominic Lee, Shuang Zhou)
c. Implement incremental analytics for the location with the most cases chart.
   (finished by Dominic Lee, Shuang Zhou)
d. Implement incremental analytics for the Death to Recovery chart.
   (finished by Dominic Lee, Shuang Zhou)
e. Add support for parsing a new covid dataset into the same format as the current dataset
   (finished by Dominic Lee)
f. Successfully merge the two datasets together for use throughout the api
   (finished by Dominic Lee)
g. Fix bugs throughout the project

(finished by Dominic Lee, Shuang Zhou, Biqian Cheng)

h. Upload Demo video.
(finished by Biqian Cheng)