BBCDS Artifact

Features:

1. **11/12 Sprint-6**
    a. Implement incremental analytics for the age group with the most cases chart on the analytics page.
    b. Implement incremental analytics for the location with the most cases chart on the analytics page.
    c. Implement incremental analytics for the Death to Recovery chart on the analytics page.
    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. **Incremental Analytics Test Cases:**
    a. As an admin, I run the analytics on the analytics page. Next, I **insert** a new row of data and run the analytics on the analytics page again.
        i. Correct Output: Running the analytics for the first time on the analytics page averages at ~200ms. After insertion it takes ~.03ms to run the analytics.
    b. As an admin, I run the analytics on the analytics page. Next, I **update** a row of data and run the analytics on the analytics page again.
        i. Correct Output: Running the analytics for the first time on the analytics page averages at ~200ms. After updating it takes ~.03ms to run the analytics.
    c. As an admin, I run the analytics on the analytics page. Next, I **delete** a new row of data and run the analytics on the analytics page again.
        i. Correct Output: Running the analytics for the first time on the analytics page averages at ~200ms. After deletion it takes ~.03ms to run the analytics.
2. **Merged Dataset Analytics**
    a. As a user, visit the analytics page and check the number of cases of covid.
        i. Correct Output: The analytics page displays 14.6k cases of covid instead of the previously 1k cases of covid.
    b. As an admin, visit the admin page and view the admin data table
        i. Correct Output: The data table has 14.6k rows of data

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 Todo List**
    a. Sprint Artifact
    b. Implement incremental analytics for the age group with the most cases chart on the analytics page.
    c. Implement incremental analytics for the location with the most cases chart on the analytics page.
    d. Implement incremental analytics for the Death to Recovery chart on the analytics page.

e. Add support for parsing a new covid dataset into the same format as the current dataset
f. Successfully merge the two datasets together for use throughout the api
g. Fix bugs throughout the project
h. Upload Demo video.