Team: CSAST

(1) Submit updated Artifact doc with completed Task board, Sprint-6/Artifact-completed.pdf
(2) Send Contributions Spreadsheet in email (ufaro001@ucr.edu) and CC to all members.

Done Last Sprint

Front-End

1. Analytics(search too)-- fix so that tables disappear upon new search (instead of having to refresh) (Alex)
2. For analytics with chart, find a way to remake the charts once submitted again (Steven)
3. For analytic 3,make it one graph for the two countries instead of two separate graphs (alex and sabrina)
4. Error catching-- if user enters a country/date that is outside of the data throw an error (steven)

Backend

1. Create aggregate array (Thomas, Steven, Sabrina)
    - country,totalCases,totalDeaths,totalRecoveries,numDates
    - For 1,5,6
2. Create 2D array (Caleb, Thomas, Alex, Sabrina)
    - Array of arrays of non-cumulative data for each country
    - Internal arrays: country,date,cases,deaths,recoveries
    - 2nd to last object will have the vaccineDate and vaccine Name for country
    - Last object will be county,peakCases,casesDate,peakdeaths,deathsDate, peakRecoveries,recoveriesDate
    - For 2,3,4,7
3. Create world data array (Thomas)
    - date,totalCases,totalDeaths,totalRecoveries
    - For 8
4. Change Insert (Thomas, Caleb)
    - *assume user enters data cumulatively
    - Aggregate array: user enters new data as totals for inputted country (replace), numDates++, shift up and down to proper place in sort
    - 2D array: newData - dataFromAggregate will be inserted into 2D array, check to see if new peak was achieved, replace peak if necessary
    - World data: add user data to the date in the world array
5. Change Delete (Thomas, Caleb)
    - Aggregate array: find delete in the 2D array, minus that data from aggregate totals, numDates--, shift position in array to keep sorted
    - 2D array: delete entry in 2D array. If peak, find new peak and append
    - World Data: find delete in 2D array, minus from totals on that date

6. Change update (Thomas, Caleb)
    - Same as delete, followed by an insert

- Analytic 1 will take the aggregate totals and divide by numDates for each country
- Analytic 2 will find country in 2D array and send to front, along with vaccine data
- Analytic 3 will find the two countries in 2D array and send selected statistic to front
- Analytic 4 will find the country in the 2D array and send to front
- Analytic 5 will take aggregate cases / aggregate recoveries
- Analytic 6 will output the first 10 in aggregate data
- Analytic 7 get peaks from the last object in 2D array
- Analytic 8 will output world aggregate array