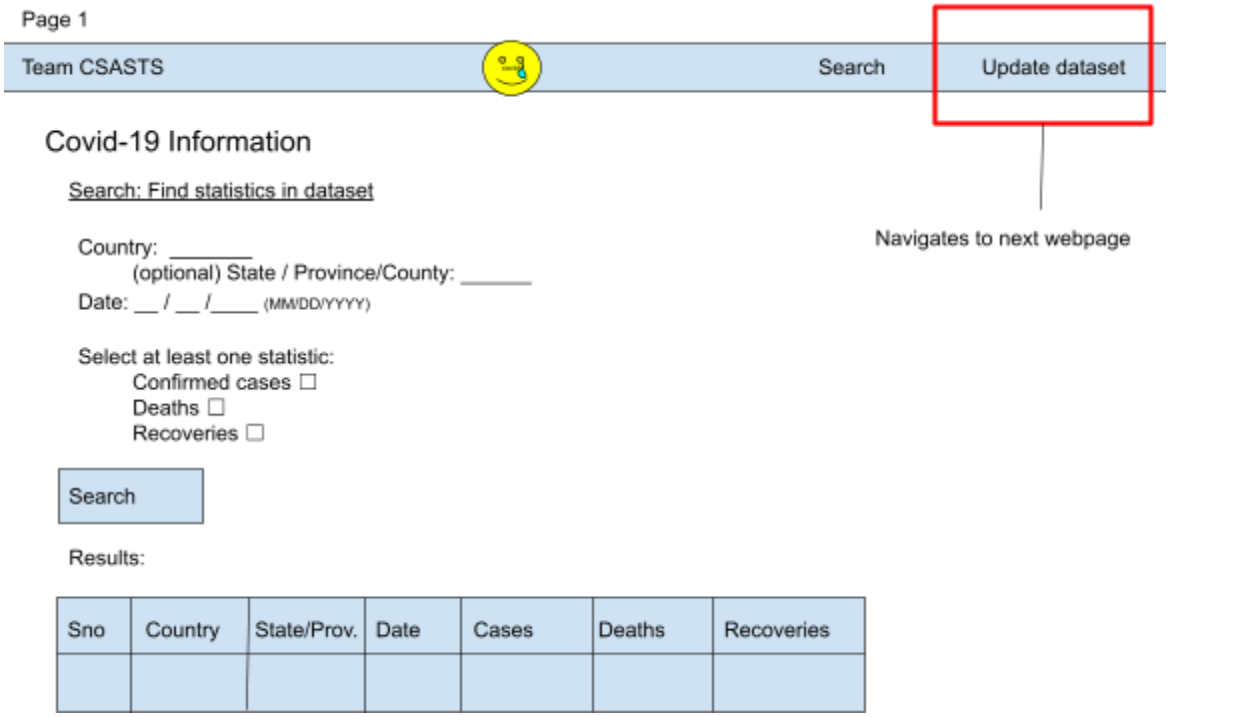
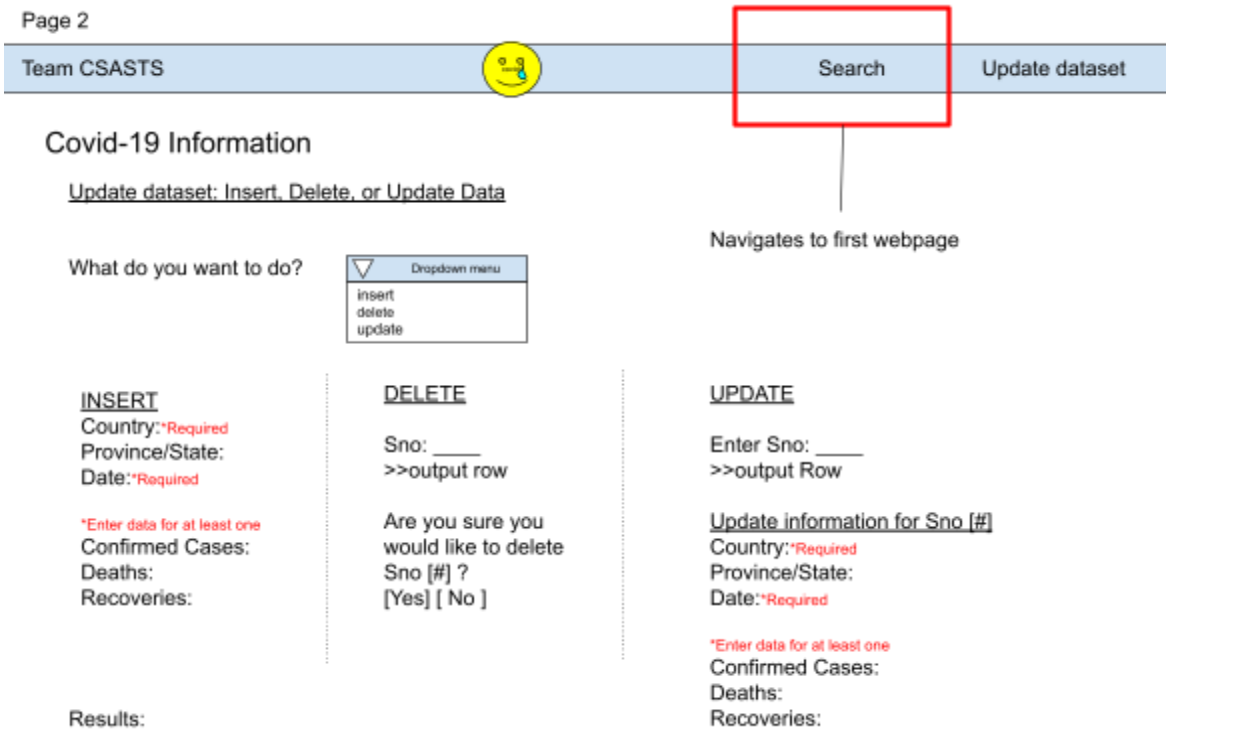
Team: CSAST

Features to implement in next sprint:

- **Feature 1:** as a user, I want to update for the number of COVID-19 confirmed cases for an existing US county, state and day
- **Feature 2:** as a user, I want to update for the number of COVID-19 deaths for an existing US county, state and day
- **Feature 3:** as a user, I want to update for the number of COVID-19 recovered cases for an existing US county, state and day
- **Feature 4:** as a user, I want to delete a specified tuple from the database.
- **Feature 5:** as a user, I want to insert a tuple to the database.
- **Feature 6:** as a user, I want to be able to backup any changes I make to the database.
- **Feature 7:** as a user, I want to be able to import any previous changes I made to the database, as well as the original.

GUI Design:


Page 1
Team CSASTS
Search
Update dataset
Navigates to next webpage
Covid-19 Information
Search: Find statistics in dataset
Country: _____
(optional) State / Province/County: _____
Date: __ / __ /____ (MM/DD/YYYY)
Select at least one statistic:
Confirmed cases ☐
Deaths ☐
Recoveries ☐
Search
Results:
Sno
Country
State/Prov.
Date
Cases
Deaths
Recoveries


Page 2
Team CSASTS
Search
Update dataset
Navigates to first webpage
Covid-19 Information
Update dataset: Insert, Delete, or Update Data
What do you want to do?
Dropdown menu
insert
delete
update
INSERT
Country:*Required
Province/State:
Date:*Required
*Enter data for at least one
Confirmed Cases:
Deaths:
Recoveries:
DELETE
Sno: ____
>>output row
Are you sure you would like to delete Sno [#] ?
[Yes] [No]
UPDATE
Enter Sno: ____
>>output Row
Update information for Sno [#]
Country:*Required
Province/State:
Date:*Required
*Enter data for at least one
Confirmed Cases:
Deaths:
Recoveries:
Results:

Test Cases:

- **Feature 1 Test Cases:** as a user, I want to update for the number of COVID-19 confirmed cases for an existing US county, state and day
    - Test Case 1: as a user, I want to be able to put the name of a country, state, day and a particular day and change the confirmed cases number.
        - Expected Output: the changes are saved and outputted in the next search
- **Feature 2 Test Cases:** as a user, I want to update for the number of COVID-19 deaths for an existing US county, state and day
    - Test Case 1: as a user, I want to be able to put the name of a country, state, day and a particular day and change the confirmed deaths number.
        - Expected Output: The changes are saved and outputted in the next search
- **Feature 3 Test Cases:** as a user, I want to update for the number of COVID-19 recovered cases for an existing US county, state and day
    - Test Case 1: as a user, I want to be able to put the name of a country, state, day and a particular day and change the confirmed recoveries number.
        - Expected Output: The changes are saved and outputted in the next search
- **Feature 4 Test Cases:** as a user, I want to delete a specified tuple from the database.
    - Test Case 1: as a user, I want to be able to put the name of a country, state, day and a particular day and delete the confirmed deaths/recoveries/cases number.
        - Expected Output: The changes are saved and outputted in the next search
- **Feature 5 Test Cases:** as a user, I want to insert a tuple to the database.
    - Test Case 1: as a user, I want to be able to put the name of a country, state, day and a particular day and insert a new confirmed deaths/recoveries/cases number.
        - Expected Output: The changes are saved and outputted in the next search
- **Feature 6 Test Cases:** as a user, I want to be able to backup any changes I make to the database.
    - Test Case 1: as a user, any changes I make on the website is also changed in the csv file.
        - Expected Output: The next time the user searches on the website, it will use the latest csv file.
- **Feature 7 Test Cases:** as a user, I want to be able to import any previous changes I made to the database, as well as the original.
    - Test Case 1: as a user, any changes I have previously made to the data is imported upon re-entering the website
        - Expected Output: The changes previously saved are outputted in the next search

Taskboard:

Done last sprint:

Front-End (All tasks done were verified by the rest of the front-end team)

- Design basic structure to look like our GUI drafted above (Sabrina)
- Include Drop Down Menus for Country, and State/Province(Alex and Sabrina)
  -State/Province Drop down updates based off of Country selected
- Include reactive checkboxes (Steven)
  - Send the selected checkbox information to backend to know which data to get
- Throw errors when: (Steven)
  - Zero checkboxes are checked
- Result display (Sabrina, Steven, Alex)
  - Reiterate user-inputted information
  - Reformatted Date
  - Return information gathered from backend
  - Displayed information as a table dynamically
  - Checkboxes work and update the table if picked
  - Search button keeps user on same page

-Submit form data (Steven)

- use AJAX to send form data

-Testing (Sabrina, Steven, Alex)

- Make sure everythings working

Back-End

- Parse CSV files and make objects for data points (Caleb)
- Implement forward search on the list (Thomas)
- Putting result array from search into a json file (Thomas, Caleb)

To-Do next sprint:

Front-End

- Navigation Bar (bootstrap) (Alex, Sabrina, Steven)
    - Design
    - Functionality
        - Switch between Search and Update pages
- Update dataset webpage (Alex, Sabrina, Steven)
    - Dropdown menu
        - Shows selected function (insert, delete, or update)
    - Insert
        - [Optional..? make sure info isn't duplicated]
    - Delete
        - Outputs SNo row
        - Prompts "Are you sure?" message
    - Update
        - Search by Sno
        - Output current info
        - Prompt for new info

Back-end

- Receive the post of the database tuple the user wants updated or inserted/deleted (Thomas)
- Search through the data and make the necessary changes (Thomas)
- Save the data array back into a new csv (Caleb)
- Update the csv path to the new csv for backup/importing (Caleb)