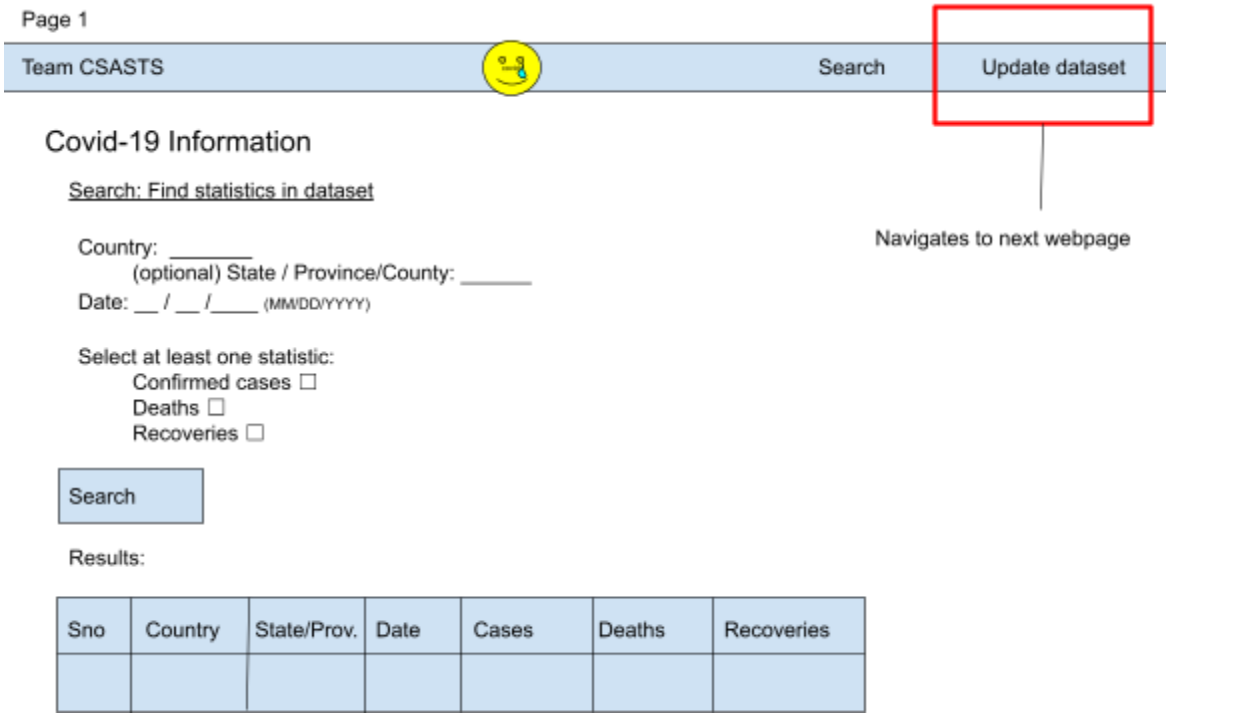
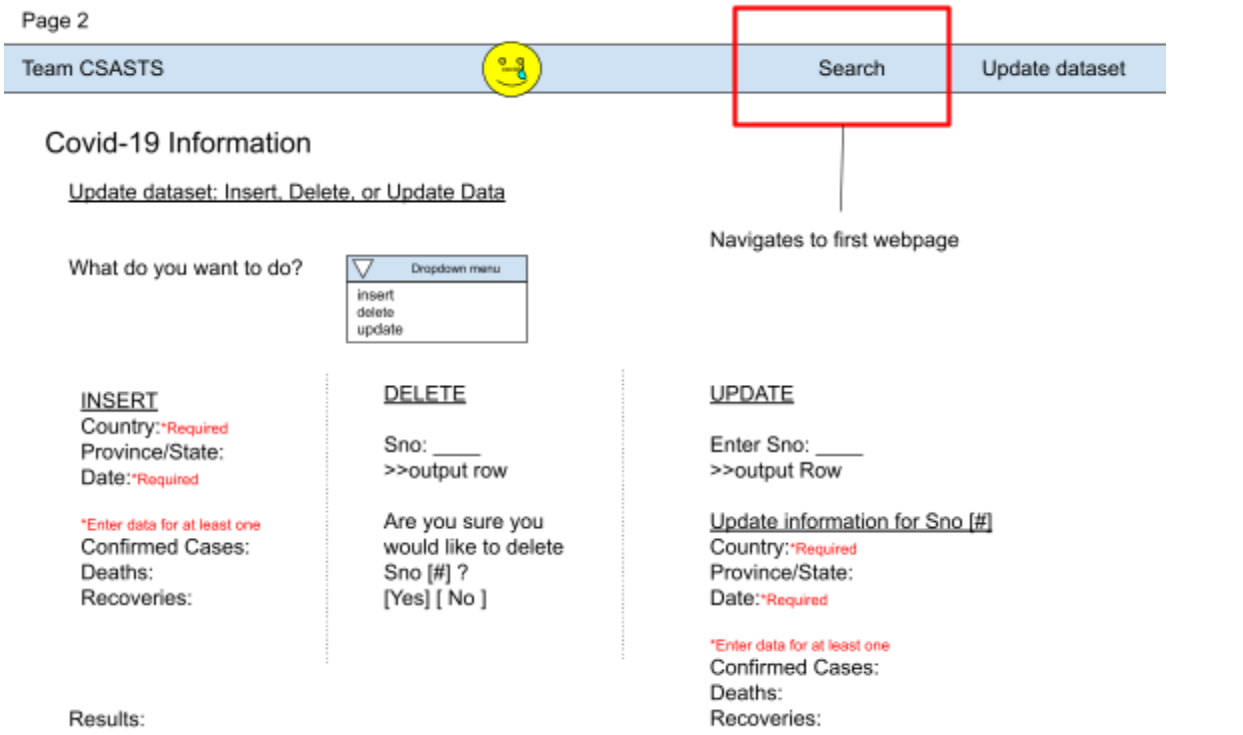
Team: CSAST

Features to implement in next sprint:

- **Feature 1:** as a user, I want to update a specified tuple from the database
- **Feature 2:** as a user, I want to delete a specified tuple from the database.
- **Feature 3:** as a user, I want to insert a tuple to the database.
- **Feature 4:** as a user, I want to be able to backup any changes I make to the database.
- **Feature 5:** 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 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 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 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 3 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 4 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 5 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

1. Design basic website structure to look like our GUI drafted above (Sabrina)
2. Include text-entry inputs for Country, State, Date (Alex, Sabrina)
    - Include reactive checkboxes for cases, deaths, and recoveries (Steven)
3. Submit Form Data (Steven)
    - use AJAX to send form data
4. Result display (Steven, Sabrina, Alex)
    - Displayed information as a table

Back-end

5. Parse CSV files and make objects for data points (Caleb)
    - Store in an array to use in search
6. Implement forward search on the list (Thomas)
    - Stringify results and convert to JSON for front end

To-Do next sprint:

Front-End

1. Navigation Bar (bootstrap) (Alex, Sabrina)
    - Switch between Search and Update pages
2. Dropdown menu (Sabrina)
    - Shows selected function (insert, delete, or update)
3. Insert (Steven)
    - Prompt for new info
4. Delete (Alex)
    - Search by Sno
5. Update (Steven)
    - Search by Sno
    - Prompt for new info

Back-end

6. Insert function (Thomas)
    - Update internal array
7. Update function (Thomas)
    - Update internal array
8. Delete function (Thomas)
    - Update internal array
9. Backup function (Caleb)
    - Save internal array as csv
10. Import function (Caleb)
    - Load previous saved csv into internal array