

Team: CSAST

Features to implement in next sprint:

- **Feature 1:** as a user, I want to search for the number of COVID-19 confirmed cases above a minimum value for any country for any particular day
- **Feature 2:** as a user, I want to search for the number of COVID-19 confirmed cases above a minimum value for any countries, states, or provinces for any particular day
- **Feature 3:** as a user, I want to search for the number of COVID-19 deaths above a minimum value for any country for any particular day
- **Feature 4:** as a user, I want to search for the number of COVID-19 deaths above a minimum value for any countries states or provinces for any particular day
- **Feature 5:** as a user, I want to search for the number of COVID-19 recovered cases above a minimum value for any country for any particular day
- **Feature 6:** as a user, I want to search for the number of COVID-19 recovered cases above a minimum value for any countries states or provinces for any particular day

GUI Design:

Covid-19 Information

What would you like to know?

Country: _____
(optional) State / Province/County: _____
Date: __ / __ / ____ (MM/DD/YYYY)

Select at least one statistic:

Confirmed cases ☐

Deaths ☐

Recoveries ☐

Search

Results:

In country/state/province , on date there were # [selected statistics]

GUI Features

- If "Search" is selected without mandatory specs
 - Next to search: ***Error: one or more mandatory categories are not filled**
 - Next to unfilled categories: ***Required**
- Checkboxes fill upon click, if clicked again they are unchecked
- Enforces specific formatting for date entry
 - MM/DD/YYYY
 - If formatting is not followed: ***Must be in format MM/DD/YYYY**

Test Cases:

- **Feature 1 Test Cases:** as a user, I want to search for the number of COVID-19 confirmed cases for any country for any particular day.
 - **Test case 1:** as a user, I want to be able to put the name of a country and a particular day and select “confirmed cases”
Expected Output: The website displays a table of the number of confirmed COVID-19 cases for all of the searched countries states on a particular day.
 - **Test case 2:** as a user, I want to be able to change the country without changing the day and select “confirmed cases”
Expected Output: The website displays a table of the number of confirmed COVID-19 cases for all of the new searched countries states on a particular day.
 - **Test case 3:** as a user, I want to be able to change the day without changing the country and select “confirmed cases”.
Expected Output: The website displays a table of the number of confirmed COVID-19 cases for all of the new searched countries states on a particular day.
 - **Test case 4:** If any required field is blank, then prompt the user to enter the field
Expected Output: Don't display any data, wait for response.
- **Feature 2 Test Cases:** as a user, I want to search for the number of COVID-19 confirmed cases for any countries, states, or provinces for any particular day
 - **Test case 1:** as a user, I want to be able to put the name of a country, a state/province/county, and a particular day and select “confirmed cases”
Expected Output: The website displays the result of the specific search point (should only be one entry)
 - **Test case 2:** as a user, I want to be able to change the name of a country, a state/province/county, and a particular day while leaving the rest the same and select “confirmed cases”
Expected Output: The website displays the result of the specific search point (should only be one entry)
 - **Test case 3:** If any required field is blank, then prompt the user to enter the field
Expected Output: Don't display any data, wait for response.
- **Feature 3 Test Cases:** as a user, I want to search for the number of COVID-19 deaths for any country for any particular day
 - **Test case 1:** as a user, I want to be able to put the name of a country and a particular day and select “deaths”
Expected Output: The website displays a table of the number of COVID-19 deaths for all of the searched countries states on a particular day.
 - **Test case 2:** as a user, I want to be able to change the country without changing the day and select “deaths”
Expected Output: The website displays a table of the number of COVID-19

deaths for all of the new searched countries states on a particular day. ○ **Test case 3:** as a user, I want to be able to change the day without changing the country and select “deaths”.

Expected Output: The website displays a table of the number of COVID-19 deaths for all of the new searched countries states on a particular day. ○ **Test case 4:** If any required field is blank, then prompt the user to enter the field Expected Output: Don't display any data, wait for response.

● **Feature 4 Test Cases:** as a user, I want to search for the number of COVID-19 deaths for any countries states or provinces for any particular day

- **Test case 1:** as a user, I want to be able to put the name of a country, a state/province/county, and a particular day and select “deaths”

Expected Output: The website displays the result of the specific search point (should only be one entry)

- **Test case 2:** as a user, I want to be able to change the name of a country, a state/province/county, and a particular day while leaving the rest the same and select “deaths”

Expected Output: The website displays the result of the specific search point (should only be one entry)

- **Test case 3:** If any required field is blank, then prompt the user to enter the field

Expected Output: Don't display any data, wait for response.

● **Feature 5 Test Cases:** as a user, I want to search for the number of COVID-19 recovered cases for any country for any particular day

- **Test case 1:** as a user, I want to be able to put the name of a country and a particular day and select “recovered cases”

Expected Output: The website displays a table of the number of confirmed COVID-19 cases for all of the searched countries states on a particular day. ○ **Test case 2:** as a user, I want to be able to change the country without changing the day and select “recovered cases”

Expected Output: The website displays a table of the number of confirmed COVID-19 cases for all of the new searched countries states on a particular day. ○

Test case 3: as a user, I want to be able to change the day without changing the country and select “recovered cases”.

Expected Output: The website displays a table of the number of confirmed COVID-19 cases for all of the new searched countries states on a particular day. ○

Test case 4: If any required field is blank, then prompt the user to enter the field

Expected Output: Don't display any data, wait for response.

● **Feature 6 Test Cases:** as a user, I want to search for the number of COVID-19 recovered cases for any countries states or provinces for any particular day ○ **Test**

case 1: as a user, I want to be able to put the name of a country, a state/province/county, and a particular day and select “recovered cases”

Expected Output: The website displays the result of the specific search point (should only be one entry)

- **Test case 2:** as a user, I want to be able to change the name of a country, a

state/province/county, and a particular day while leaving the rest the same and select “recovered cases”

Expected Output: The website displays the result of the specific search point (should only be one entry)

- **Test case 3:** If any required field is blank, then prompt the user to enter the field

Expected Output: Don’t display any data, wait for response.

Taskboard:

Done last sprint:

- Implement “Hello World” Client server (Everyone)

To-Do next 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