
TCU Computer Science Dept.

COVID Tracker
Use-Case 01: Accessing COVID Tracker

Version 1.0

Revision History

Date	Version	Description	Author
<dd/mmm/yy>	<x.x>	<details>	<name>
30/09/20	1.0	Rough Draft	Cuong, Nick, Damon
06/10/20	1.1	Review of terminology and need for extensions	Cuong, Nick, Damon, Zach, Joe
07/10/20	1.2	Review of main success scenario and added another step, change in wording, comments.	Nick

[Use-Case 01: Accessing COVID Tracker]

Brief Description:

The user accesses the COVID Tracker webpage.

Primary Actor: User, System

Level: Low

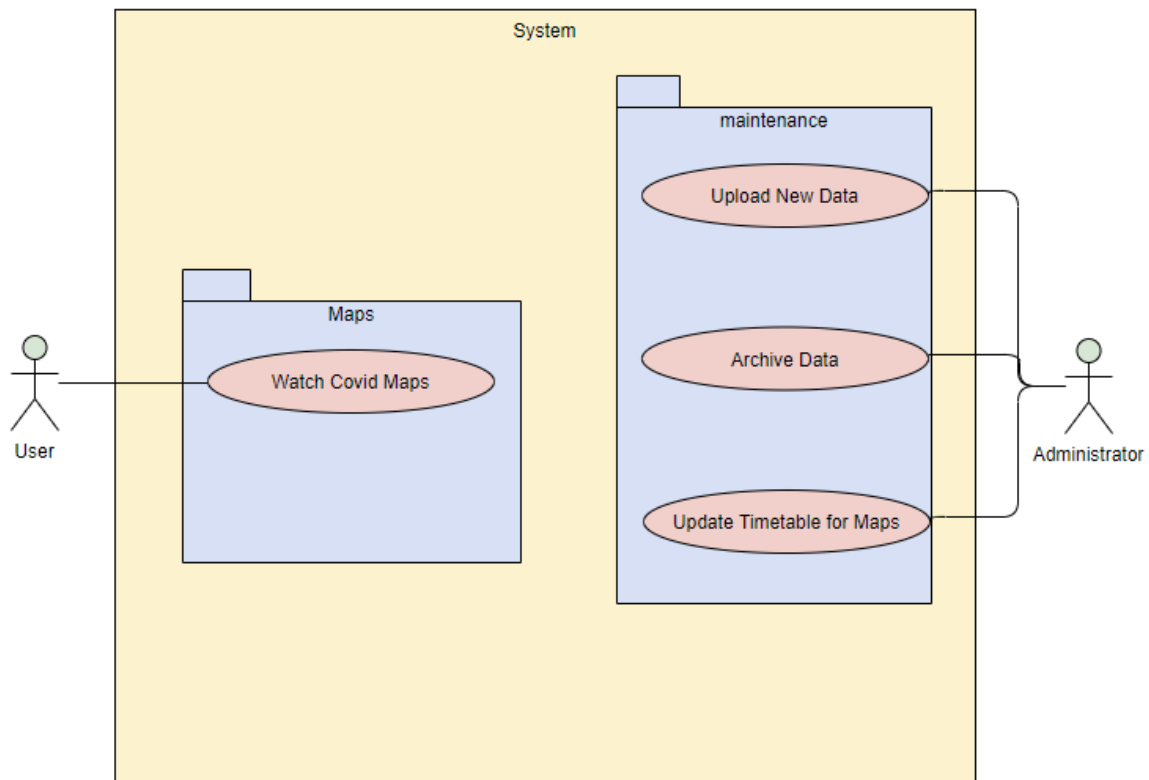
Stakeholders and Interests: Dr. Wei

Preconditions: System database is populated with COVID data.

Postconditions: System properly displays map.

Trigger: The user indicates that he/she wants to read the data from the state that he/she has selected.

Main Success Scenario: System displays map and users get the data they want to know.



1. The user opens the COVID Tracker webpage.
2. The system loads the COVID data from the database.
3. The system displays an interactive map of the US.
4. The system populates the map with COVID data and formats it appropriately.

5. The user can observe and interact with the map.

Extensions:

Priority: High

Secondary Actors: None

Special Requirements: None

Open Issues:

COVID Tracker
Use-Case 02: Locate the User

Version 1.2

Revision History

Date	Version	Description	Author
<dd/mmm/yy>	<x.x>	<details>	<name>
06/10/20	1.0	Rough Draft	Cuong, Damon, Zach, Joe, Nick
06/10/20	1.1	Editing out typos, suggesting clearer phrasing, comments.	Nick
07/10/20	1.2	Change title	Damon

UC02 Locate the User

Brief Description:

The system provides the user with information that is specific to their current location.

Primary Actor: User, System

Level: Medium

Stakeholders and Interests: Dr. Wei

Preconditions: System database is populated with COVID data. Users can access the page. Map is properly loaded and formatted with data from the database.

Postconditions: User is presented with data specific to their location.

Trigger: User allows the system to use its current location.

Main Success Scenario:

1. The system loads the page successfully.
2. The user allows the system to use their current location.
3. The system locates the user.
4. The system focuses the map to the user's location.
5. The system presents key data that is specific to the user's location.

Extensions:

- 3a. The system cannot locate the user.
 - 3a1. The system notifies the user that their location cannot be found.
 - 3a2. The system presents a national map.

Priority:High

Secondary Actors: None

Special Requirements:

- The user enables prompts on their device.
- The user allows their device to access their location.

Open Issues:

COVID Tracker
Use-Case 03: Search for Specific Data

Version 1.1

Revision History

Date	Version	Description	Author
<dd/mmm/yy>	<x.x>	<details>	<name>
07/10/20	1.0	Initial rough draft, comments.	Nick
07/10/20	1.1	Change title, small grammatical edits	Damon

UC03 Search for Specific Data

Brief Description:

The user requests a query of offered information specified at their discretion.

Primary Actor: User, System

Level: Medium

Stakeholders and Interests: Dr. Wei

Preconditions: System database is populated with COVID data. Users can access the page. Map is properly loaded and formatted with data from the database. Search options are properly implemented and displayed.

Postconditions: User is presented with data relevant to query details.

Trigger: User interacts with an available search option.

Main Success Scenario:

1. The system loads the page successfully.
2. The user engages with the search feature.
3. The user selects the information to search.
4. The system interprets the user's search request.
5. The system queries the database to find data that satisfies the user's request.
6. The database sends data from the system's query to the system.
7. The system formats the data according to the user's search request.
8. The system presents the user with information the user requested.

Extensions:

- 3a. Search request requires more detail from the user.
 - 3a1. The system prompts the user for more details to be able to search.
 - 3a2. User enters or selects additional details.
- 3b. User wants a more specific search.
 - 3b1. User selects more specific search parameters and enters additional details if necessary.
- 4a. The system cannot interpret the user's request.
 - 4a1. The system notifies the user of error in search request.
 - 4a2. The user changes their search request.
- 8a. User does not find the information presented to be relevant.
 - 8a1. The system offers the user the option to modify their search.

Priority:High

Secondary Actors: Database

Special Requirements:

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Open Issues:

COVID Tracker
Use-Case 04:Create User Account

Version 1.0

Revision History

Date	Version	Description	Author
<dd/mmm/yy>	<x.x>	<details>	<name>
13/10/20	1.0	Rough Draft	Cuong

[Use-Case 04: Create User Account]

Use Case 4: Create User Account

Brief Description:

Users will have the ability to create an account, so they can later login to update the COVID-19 status of themselves. They must provide the necessary information for registration.

Primary Actor: Current and future user of Covid Tracker who wants to get real statistics of their local area depends on all people having a Covid Tracker account in the area.

Level: User Level

Stakeholders and Interests:

Users are interested in becoming a member of the Covid Tracker.

Preconditions:

User does not already have an account.

Postconditions:

Users will be able to create an account on Covid Tracker website

Trigger:

The user wishes to become a member of the Covid Tracker

Main Success Scenario: Users will be able to create an account on Covid Tracker system and the system allows users to access into the special database.

1. The user indicates they would like to create an account.
2. The system prompts new pages to collect user account information.
3. The user enters their account information and indicates its completeness.
4. The system validates and indicates whether the form is complete by verifying if the email, password is unique, the password matches the password specification
5. The system store the account information in the database and creates an account
6. The system sends a confirmation email to the user
7. The system indicates to the user an account has been created.

Extensions:

4a. The system detects an error in the account information. The system specifies what the problem is and prompts the user to correct it. Return to step 2.

4b. The system detects an account/email that already exists/registered. The system asks the user to login/retype a new email.

Priority: High

Secondary Actors: None

Special Requirements: None

Open Issues:

COVID Tracker
Use-Case 05: Login to Site

Version 1.0

Revision History

Date	Version	Description	Author
<dd/mmm/yy>	<x.x>	<details>	<name>
13/10/20	1.0	Rough Draft	Cuong

[Use-Case 05: Login to Site]

Use Case 5: Login to Site

Brief Description:

User login to the Covid Tracker website.

Primary Actor: User

Level: User Level

Stakeholders and Interests:

Users are interested in becoming a member of the Covid Tracker.

Preconditions:

User must have an account already registered and confirmed to the Covid Tracker website

Postconditions:

Users will be able to login to access their portal to update the status and see the statistics in the current location they update status.

Trigger:

The user wishes to login into Covid Tracker

Main Success Scenario: Users will be able to login to Covid Tracker system and the system allows users to access into the special database.

1. The user indicates they would like to login to the system.
2. The system prompts new pages to collect login information.
3. The user enters their account information and indicates its completeness.
4. The system verifies user credential.
5. The system presents the user with a personalized portal.

Extensions:

4a. User has an account but the system detects an error in the account information. The system specifies what the problem is and prompts the user to correct it. Return to step 2.

4b. User does not have an account.

4b1. The system indicates there are no matching records and prompts the user to review provided credentials.

4b2. User indicates that he/she does not have an account.

4b3. User is redirected the account creation (See Use Case 03)

Priority: High

Secondary Actors: None

Special Requirements: None

Open Issues: