

COVID-19 cases App

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Abstract

The purpose of creating this app is to indicate the numbers and the cases of COVID-19 cases around the users. We are trying to create a platform for users to get notifications of the cases nearby and they can know the risks. This can also control the spread of COVID-19 since people will have an idea of where are the cases and they can be aware of that.

In order to create the app, there are some information we need to know. First, we need the number of people being infected and the number of hospitalizations. Secondly, we also need the map showing where are the infected people located. Least, we want to provide the total number of cases in country and total number of cases in state to give the users an idea of how the general situation in the country is.

Interface, User Experience

We want to provide the users great discoverability to interact with the app. The home page will display the total number of infected cases and hospitalized cases in country by day, week, and month. This is the general information of how well the COVID-19 has been controlled. Secondly, the users can choose which state's data they want to display at the home page. This will give them the benefit of choosing the state the users at or the state the user's family at. Third, we will display the notification center at the home page as well. The notification will be the new cases happened near by the users. The notification will give the users the alarm that how many cases are nearby. Besides the information displayed at the home page, there are few buttons at the bottom of the interface providing the signifiers to other pages: Home icon for home page; search icon for searching the information by states; location icon for displaying the cases nearby; gear icon for settings. Pressing those icon and the users will get the feedbacks of the other pages.

Due to the COVID-19, many people lost their beloved one, therefore, for the user interface, I would like to use colors that will provide a calming vibe. Brown, cream, and white will be the main theme colors of the app.

Navigation Bar

There is a navigation bar at the bottom of every page with four icons for users to go back and forth within the pages. The icons serve as the signifiers to let the users know the content of the pages.

Home Page

At the top is the total hospitalization cases in the U.S. This provide an overview for the users of how's the COVID-19 cases going in the country. Next is the customized section displaying the cases for the selected states. Since the users are in different states, choose the states they at and display at the home page is a way to let the app more convenient. The users do not have to search for the state information every time. As long as they open up the app, it will show the desired states on the home page. After that, the notification bar is the last item display at the home page. This section will give the users the information of the nearby cases. For the affordance, on the home page. When you click on the state name, that will directly lead you to a more detailed information of the COVID-19 cases in that state. Or on the search by state page, there will be a map of the U.S. and you can zoom in to click on the state and that will lead you to the detailed information as well.

Search by State Page

This page is designed for the users to get a more detail information of the cases in each states. The map is a affordance for the users to choose the state they want to searched for and also they can decide if they want to use the search bar at the top. Once they choose the state, the case information will be display. Different from the home page, at this page the users can choose what kind of data they want to see- confirmed cases, hospitalized cases, or death cases.

Nearby Cases Page

For this page users can utilize the map to see near by cases.

Setting Page

For this page the users can set the default address to receive the near by cases information and also add the states they want to display at the home page.

Update 2020/10/13

I changed the format of the near by page. Originally, it was displayed as listings, as the user feedback, a clickable dot map would have a better discoverability. Therefore, the page changed to the map with the dots showing the cases near the users. When the users click on the dot, a message window will pop out and display the detail information of the case. ON the right top corner there will be an icon of close serving as the signifier to close the message window.

Update 2020/10/20

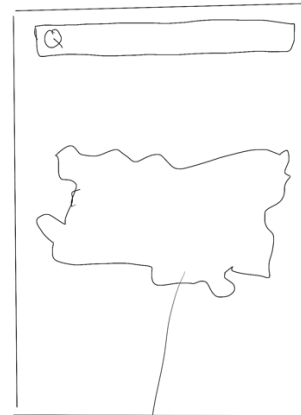
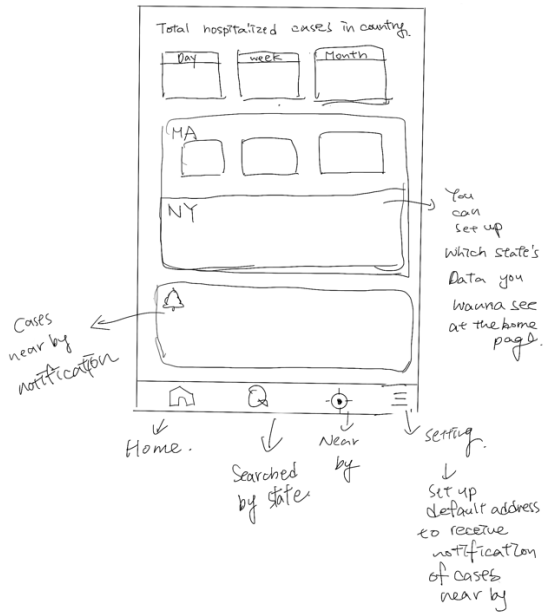
Adding a signifier to map on the search by state page indicates that the map can be zoom in and zoom out. The signifiers are two icons for zoom in zoom out. The users can use there too finger to zoom in or zoom out, or they can click on the icons to do the actions.

Changing the map display to focus on Massachusetts since the prototype is displaying the information of MA.

Draft

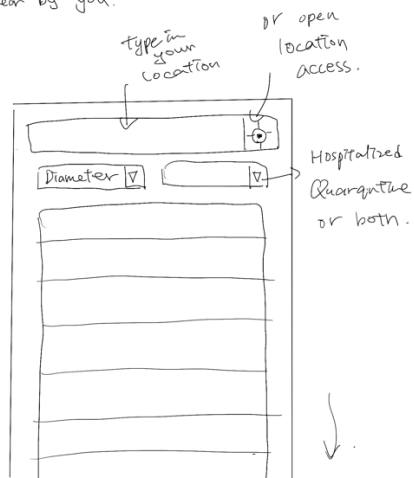
Searched by State Page

Home Page



you can type in the search bar or navigate it by clicking on the map.

Case near by you.



Search by state Page 2.

ex: Search for MA



Prototype 1

Marvel App Link: <https://marvelapp.com/prototype/5e677bc>

Prototype 2

Adobe XD: <https://xd.adobe.com/view/464a17a8-0f97-4f21-931f-aef028f3aadb-1319/>

Final version

Adobe XD: <https://xd.adobe.com/view/27b72096-9423-4a5b-b575-5805f3f545e3-72e4/>