

10th

My COVID-19 App

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Health

What problems are you trying to solve?

My focus area is health because I am trying to create an app that will inform people on how to stay safe and maintain good hygiene along with warning them on how extreme the chances of catching the virus would be based on their location and then also inform about further steps on staying safe based on your chances. The problem I am addressing is bad hygiene and bad social distancing among people during coronavirus along with the problem of people simply not being aware of how the virus works or its severity. The research that led me to conclude that this problem exists is how the cases of coronavirus are still increasing and that there are more cases in more densely populated areas. This research pertains to the problem because although a rise in cases is inevitable the speed at which the cases are rising clearly can show that people don't follow social distancing properly or at all, along with this obviously more densely populated areas have higher cases so if you live in these areas you should probably be even more cautious and extreme in the way you social distance. If this problem isn't solved impacts could include the continuous exponential rise in cases and with that comes the chance of more fatalities.

What inspired you to address this problem?

I was inspired by this idea by just what I see on social media and how I see everyone react to this virus, more specifically the amount of regard and disregard people give to this pandemic. An example being how a lot of my people I'm friends with constantly go out with each other during this with no masks and go to the beach. Research that I have found that supports the existence of the problem being addressed is how "The slight increase comes after days of declining hospitalizations and on the first weekend after the state began its gradual reopening of what were deemed nonessential businesses. Confirmed cases of COVID-19 continue to climb as more and more people are able to be tested for the illness. The Lamont administration said that COVID-19 cases increased by 405 to 40,873; tests administered increased 7,590 to 221,726 and COVID-19-related deaths increased 49 to 3,742."

(<https://www.courant.com/coronavirus/hc-news-coronavirus-0525-daily-update-20200525-4wabsabxzhgrpkoyg7ryrup6i-story.html>). Also, how in Connecticut the bigger towns obviously have more cases so it would be helpful to be able to know how to further combat the virus besides the current social distancing rules.

Describe your idea and functionality:

My app would use an API to join different databases to give the personalized information to the user. The API would join the different databases of the amount of cases in different areas and then also use the databases of the amount of cases risen that day. It would determine the severity once again through the databases shared through the API and determine a severity rating for you based on your location, the amount of cases in your city or town, the increase and decrease trend in your town, and overall how your state is doing in terms of cases and increase and decrease trends. There would be a procedure used that calls different lists of different social distancing tips which would be categorized based on extremity of the measure. The procedure could call the indexes for a certain list if the statistics for your area are above a certain level.

Team Members: