

12th

## Find a Programmer

Nemat Shaikh

South Windsor High School

Businesses

### What problems are you trying to solve?

*The problem I will be addressing is the difficulty of switching to an online business model. Much of the research I've done indicates the lack of resources in this area of business. There are ambiguous guides and websites where businesses go for material, but the app/website I'm making will remove that ambiguity. It will be a one-stop-shop to transitioning between business models. Without my idea, certain businesses will be driven towards bankruptcy, even when it's completely avoidable. Plus, who wants their favorite local business to disappear just because they weren't 'tech-savvy'.*

### What inspired you to address this problem?

*I have a couple of cousins who help my uncle run his flower business. They were successful enough to the point where their college degrees were pretty much useless. However, once the pandemic started their customer count severely decreased. That's when one of my cousins recognized they needed to have their own website. Luckily he had a bachelor's in CS so he could help his father create a website of their own. His father's previous efforts to follow guides and videos online never yielded true results, but his programmer son could. Likewise, local businesses that are struggling to fight bankruptcy shouldn't have to follow frivolous tech gurus online, they should be able to hire programmers to concretely get what they need to be done, done. If you can hire babysitters and gardeners online, why can't you hire a programmer to do your bidding as well?*

### Describe your idea and functionality:

*IF they are creating an account they will choose whether they are a programmer looking for work or a company owner looking for some help.*

*IF they are not logging in for the first time they can continue to the app*

*IF they are a Programmer - They can see different clients/owners looking for help in some sort of list. They can click on these clients and send them a message if they're interested in aiding them - with a price in mind (can be different from the asking).*

*IF they are a Client - They can see different programmers looking for work in some sort of list. They can click on these programmers and send them a message if they're interested in their work. They can also see additional reviews from other clients if the programmer already has experience on the app.*

### Team Members:

### Links:

12th

## **ByeStressBye**

Jaya Hari

Avon High School

Community, Education, Health

### **What problems are you trying to solve?**

*ByeStressBye is a mobile application primarily directed towards teenagers dealing with stress and uncertainty.*

### **What inspired you to address this problem?**

*Many teenagers experience stress, including ourselves. The current pandemic especially increases the amount of stress that teenagers feel every day, given that besides their school work, they are unable to do many of the things they enjoy and interact with other people the same way they could. Worry over the current state over the world and changes within teens' own families add to this stress. Stress can often disable students from being able to function in the ways that they need to in order to succeed, which can lead to other problems such as depression and anxiety.*

### **Describe your idea and functionality:**

*As the title of the app suggests, this mobile application aims to help teens who are feeling stressed feel better in a variety of ways, including various exercises to help them feel better, various activities to help eliminate stress, activities meant to target the root cause of it, provide information to the user about COVID-19, and more.*

### **Team Members:**

Dheepa Hari

### **Links:**

<https://drive.google.com/file/d/1kaV4dEE217-x-EKAgUwUVn-Oocn1t1EF/view?usp=sharing>

12th

## **Disinfecting at Home**

Arianny Lopez Lopez

J.M. Wright Technical High School

Education

### **What problems are you trying to solve?**

*Ever since the pandemic started there has been a large number of people who can't find where to buy disinfectant or simply don't have the money. We are trying to help people make their own disinfectant.*

### **What inspired you to address this problem?**

*At the beginning of the pandemic, so many people took advantage of buying all of the disinfectants. All of the stores were out and it was really hard to get any. So what inspired us was the shortage of disinfectants.*

### **Describe your idea and functionality:**

*The idea behind it was to save money and even with the shortage, everyone will at least have something.*

### **Team Members:**

Merelyn Guzman

Mhya Arias

### **Links:**

<https://sites.google.com/view/disinfectingathome/home>

12th

## The Social Distancing Assistant

Melissa Woo

Greenwich High School

Businesses, Community, Health, Vulnerable Populations

### What problems are you trying to solve?

*Even with strict guidelines, communities are facing difficulties in the race against coronavirus in preventing community spread. Many supermarkets have imposed measures that restrict the number of shoppers that can be in the store. But, they often have lines in the parking lot which is dangerous for vulnerable populations, including older people or those with preexisting conditions. Furthermore, as Connecticut begins to re-open, we will likely see people flocking to non-essential stores in much higher quantities, putting pressure on small business owners to somehow ensure safety for employees and consumers. Meanwhile, beaches, playgrounds, and parks will likely become community hotspots. These factors contribute to the widespread problem of communities not being able to adequately adhere to social distancing guidelines, leading to continued economic harm to businesses as well as severe health risks to vulnerable populations.*

### What inspired you to address this problem?

*The single most important measure to limit the spread of the coronavirus is to practice social distancing. But, often, it seems that these guidelines aren't, or can't be, followed. Take the busy supermarket with customers vying for hand sanitizer. Or families heading to the park for a walk, only to find that every other family in the neighborhood had the exact same idea, at the exact same time. It was one night where this situation happened exactly when I first had the idea for the Social Distancing Assistant. Had I known that what felt like the entire community would be at the park at 7pm, I would've headed out at 6pm to beat the rush or waited until later and avoid the crowds. My solution? Create an app that will tell users the current population density of a given location. By staying informed, we can be sure to prevent the community spread of COVID-19.*

### Describe your idea and functionality:

*The Social Distancing Assistant is an app that would allow community members to see, in real-time, the number of people at a certain store or park. Many businesses/parks already have staff members at the door counting the number of people entering the establishment to ensure that they meet health guidelines. Sharing this information would allow users to access the real-time data of how busy a certain location is at any given time. They would also be able to look at graphs that show the past "busy-ness" trends, informing their decisions of where to go and when in order to come into contact with as few people as possible. Businesses could also utilize the "bulletin" function of the app to publish any health guidelines that are specific to the store (capacity, hygiene protocols, etc.). This app would effectively allow communities to spread out the number of people at any location at any given time, preventing the spread of the coronavirus as CT begins to reopen.*

### Team Members:

### Links:

<https://www.wevideo.com/view/1729631546>

12th

## Happy & Motivated during Quarantine

Francisco Garcia

J.M. Wright Tech

Entertainment, Health

### **What problems are you trying to solve?**

*Help people stay motivated and on track with their studies in these troubling times.*

### **What inspired you to address this problem?**

*Many of our friends' mental health have deteriorated over the course of quarantine because of the difficulty in transitioning to being indoors a lot.*

### **Describe your idea and functionality:**

*Day in the life of a functioning teenager in quarantine.*

### **Team Members:**

Chloeann Poteau Fleurizard

### **Links:**

<https://drive.google.com/file/d/1Al4gkbeagTQKuI0Im4U6fbyUnhs9JDHZ/view?usp=sharing>

12th

## Restaurant Reopenings App

Sydney Fournier

South Windsor High School

Businesses, Entertainment

### What problems are you trying to solve?

*This app will address the problem of restaurants reopening during the COVID-19 pandemic and the general public not knowing. Many restaurants over the past couple of months have been operating under a take-out only policy due to orders from the Governor of Connecticut. As the state continues to follow the reopening plan, restaurants have been given permission to allow outdoor dining and take-out as options. With many locations not having existing outdoor dining available, some restaurants have transformed parking lots, sidewalks, and lawn with tables and chairs. Since it is not required for restaurants to offer outdoor dining, the public is unaware of how many restaurants will offer this feature. With our app, the public can look up restaurants and see live updates when outdoor dining is implemented, which could save businesses in the long run. If the problem isn't solved, then restaurants may be forced to go out of business because they have no customers and no revenue. By providing resources to the public notifying them of restaurants that are open, we can do our part to support local and chain restaurants from closing. Our research was done mostly by what we have seen in the community. It is clear that many people are unaware of what exactly is open at times and there are many rumors that have circulated which may not be true. This app will clear the confusion and make it clear to the community where they can go at certain times.*

### What inspired you to address this problem?

*Many businesses are beginning to reopen and the public needs to be alerted about it. It'd be easier if there was one app that had all of this information in one place. As the summer season begins, many seasonal businesses in vacation areas like Rhode Island and Massachusetts will open for the season. However, due to the amount of uncertainty surrounding the pandemic, many families may not know if their favorite restaurants are open, and to what capacity they are serving customers. It would be much more time-efficient and convenient for families to be able to check one single app for updates on restaurants, leaving less time for wondering and more time to spend with each other.*

### Describe your idea and functionality:

*This app will be coded in App Inventor. As the app initializes, the home page will load with a button for a user to log in or make an account. When a user signs up, their information is put in a TinyDB, which raises security concerns. The user inputs very little information, making them less vulnerable to hacking. Below the buttons are labels and links which outline ways to prevent the spread of coronavirus and bring the user to the reopening phases for Connecticut. There's a button to search for local restaurants to see their dining choices and hours. After logging in or clicking the search restaurant button, a new page will open to search by name or filters. For each restaurant in the search, there's key information about the restaurant and dining options. At the bottom of every page, there's a button for the user to return to the home page. One challenge is keeping the CSV file that stores all information up to date without manually inputting restaurant updates.*

### Team Members:

Cooper Castellone

### Links:

<https://drive.google.com/file/d/1bgDkzL1-hxwIgaFG9sukUn5jXataQYQ9/view>

<https://drive.google.com/file/d/198UImARG-pXUxyicEN47oDCjJHSmGi3r/view>

12th

## Ideas! Ideas!

Jorgens Remy

Conard High School

Community, Entertainment, Health, Vulnerable Populations

### What problems are you trying to solve?

*Tracking and forming connections between new cases. Providing support and relief for those who need it.*

*-An app that only people who are positive for covid download, where the user interface is really simple. All the person(primarily the head of the household) has to do when the app is done is click a button that says positive and then they are able to put in when and how many people in the house who are positive.----(this could be changed so the main goal would be to get everybody to get the app and each household records positive or not-(it could be a weekly recording, if weekly then it could be mapped easily and whatever measures that need to be taken could be)-This app could also have a chatroom for support and encouragement for those who are positive. Multiple details could be added like an input from the user from how long they have been feeling symptoms, when they were diagnosed, when the symptoms subsided, etc. If possible there could be a section for people who are willing to say if they have been in contact with others just how many and how close nothing specific. Overall this would help track the contagionsy, provide a place for those who are positive, if enough are willing to say(find out how many people are getting in contact), it will help find best ways to minimize risk with effective response from the app, different strategies can be tried in different areas and the results can be tracked. Oh and there could be an entry for those who feel symptoms but can't get tested for whatever reason, and advice could be given to them for what to do. -----this could be multiple apps but making just one effective one would be less confusing and accessible.*

*-An app like facebook's person to person sell services.But the purpose of the app is for people in need of protective gear like masks-hand wash-gloves-anything else. It could be donated from person to person. This raises contamination risk I don't know how this could be minimized but its an idea. (Entry abbreviated)*

### What inspired you to address this problem?

*My amazing teacher Mrs. Corricelli shared this opportunity for the class. Thanks to her I got interested. I had thought about what could be done to help before, but who could I tell to act on them? Usually, I wouldn't even think of submitting anything, but again thanks to a wonderful girl in my life, my girlfriend, without knowing it motivated me to just do it.*

### Describe your idea and functionality:

*I already put it in the top section asking for "What problem are you trying to solve?" part because the character requirement was too much and here it is too small.*

*But if mine is showcased please the format of this umm poem....? Whatever it is. And if possible add a heart before we at the last line I couldn't put it in.*

*-All around everyone is staying strong*

*-& a little push*

*-Just a little is all we need for each to do their part*

*-(heart)We will make it*

### Team Members:

### Links:

12th

## **Pass the Bread**

Ethan Pervere

William H. Hall High School

Unemployed Citizens

### **What problems are you trying to solve?**

*The problem I am trying to solve is the high number of people put out of work by the COVID -19 Pandemic.*

### **What inspired you to address this problem?**

*I saw that the government was risking its own money to help the lives of its citizens. I saw how the citizens really need the money and I saw that economy started to go down when the government took out "junk bonds". So I thought this might be a good way of helping out the community.*

### **Describe your idea and functionality:**

*My idea is to provide financial assistance to the unemployed either due to the COVID - 19 Pandemic or other circumstances, by means of a community money pool generated by high net worth individuals, and distributed to a collection of verified unemployed individuals. In order for the government to be able to "save the economy", and not give out all of its money.*

### **Team Members:**

### **Links:**



12th

## **Park Protector**

Joseph Mooney

Danbury High School

Community, Entertainment, Health

### **What problems are you trying to solve?**

*I am trying to solve the problem of overcrowded recreational areas such as beaches, parks, sporting fields, etc.*

### **What inspired you to address this problem?**

*On numerous occasions since quarantine stage one has been implemented, I have visited parks and beaches only to find them overcrowded. The parks, though loosely scanned by park officials, are not properly contained. I would like to introduce a way to easily count the number of cars — and people — that are in the recreational places at all times.*

### **Describe your idea and functionality:**

*My computation functions by counting the number of cars/motor vehicles entering the public places by counting the number of tires which pass over it. As this is unable to count the exact number of people entering and exiting the premise, a camera triggered by the car passing over the weight-sensitive strip could better approximate the amount of people entering the park with the help of AI.*

### **Team Members:**

### **Links:**

12th

## Space Q

Yosmeiris Castro

Crosby High School

Community, Education, Health

### **What problems are you trying to solve?**

*There are many problems that remains persistent during these trying times. I am trying to solve the problem of how teachers are unable to connect with their students during this pandemic as well as looking out for the students safety/mental well being.*

### **What inspired you to address this problem?**

*What inspired me was seeing my own teachers unable to reach certain students and struggle to recieve work from them. In social media you can see students struggling to learn from this new way of living, I see my peers unable to sleep or get out bed because of this pandemic. I want my peers to have motivation again and have a reason to come out of bed.*

### **Describe your idea and functionality:**

*I want to make an app/website where teachers would be able to teach their students with ease. They would be able to send work and video chat with their students in one place. Teachers would see the students progress and send private messages if needed. Teachers would be able to share presentations and would be able to make lectures. In the students perspective, they would see the assignments and such but there will be a point system, this can cause them to be more motivated to earn more points. There could be rewards for the students in the class with the highest amount of points, you can get point based on how early you hand it in as well as participating in events that is presented in the app/web, that causes the student to connect with the community. There will be daily reminders to students to wash their hands, to de-stress, and etc for their well being. The theme of the web/app would be space theme resulting in the app being called Space Q. Its an app/web for students of all ages.*

### **Team Members:**

### **Links:**

12th

## **Positive Attitude**

Aidan Ventresca

Newtown High School

Entertainment, Health

### **What problems are you trying to solve?**

*Well during this pandemic people's mental health has taken a hit. Being inside all day without being able to see friends and not being able to go out and do things has made people's mental health go to an all time low and I want to help peoples mental health.*

### **What inspired you to address this problem?**

*What inspired me was that I see on the news and that more people are having suicidal thoughts and I thought that it is really bad. People shouldn't let this virus win and let it effect them in that way.*

### **Describe your idea and functionality:**

*The idea of for my app is that every morning at 8 am a positive quote would appear on the app and that quote would stay on the app for 12 hours until 8 pm and then at 8 pm a new positive quote would pop up and it would stay there until 8 am the next morning. This would happen everyday until quarantine is over.*

### **Team Members:**

### **Links:**

12th

## **The Latinx Girls Talks**

Indiana Pagan

J.M Wright Technical High School

Community, Health, Economy

### **What problems are you trying to solve?**

*We are trying to answer the question about how low-income families are being affected on everything that's going on.*

### **What inspired you to address this problem?**

*We are three of the many low-income families struggling in America today, and we wanted to share our story. We also wanted people to be aware of how everything is being seen from our perspective.*

### **Describe your idea and functionality:**

*My team and I decided to do a podcast on the subject. We did a 3 episodes podcast, explaining different categories that are under the subject.*

### **Team Members:**

Jayda Menisa

Tiffany Uruga

### **Links:**

12th

## Managing S.A.D. During COVID-19

Vaughan Peverly

Academy of Aerospace & Engineering

Community, Education, Health

### **What problems are you trying to solve?**

*The focus area of my proposition is how Seasonal Affective Disorder has impacted people while they have been in lockdown. The problem I am addressing is the general population is not nearly aware enough of Seasonal Affective Disorder as they should be. This problem is important because Seasonal Affective Disorder is a mood disorder characterized by depression that occurs seasonally. Seasonal Affective Disorder has been exacerbated by the lockdown. This is because Seasonal Affective Disorder can be caused by the lack of sunlight. Since many people are staying in their homes during the lockdown, people are getting less and less sunlight. This dramatic decrease in sunlight can lead to either a mild form or full-on Seasonal Affective Disorder.*

### **What inspired you to address this problem?**

*My inspiration behind choosing this topic was that I was already doing it for my Capstone, but I also have my own personal connection to Seasonal Affective Disorder. During my freshman and sophomore years of high school, I struggled with mild Seasonal Affective Disorder. Looking back at that time, I vividly remember not leaving the house often, which led me to not getting much sunlight. That is why I can relate to feelings of depression some people are having during the lockdown. My feelings and past experiences with Seasonal Affective Disorder ultimately led to me choosing it as my topic for this proposition.*

### **Describe your idea and functionality:**

*My idea is to create a website. To describe my website, the home page would detail what Seasonal Affective Disorder is, have the phone numbers of essential mental health services and it would have two links to different resources. One of those resources would be a presentation. The presentation is intended to educate the reader on S.A.D. The PowerPoint would discuss symptoms, treatments, who it impacts, vital resources for people who struggle with depression, what S.A.D. is, and the causes of Seasonal Affective Disorder. The other link on the homepage of the website would send you to a survey built around the presentation. This survey would provide people the opportunity to see what they have learned, and potentially learn something from their answers. The questions would be used in a survey that uses equals statements to determine if the answers are correct. I would use variables such as int score, int total score, and str name, to track the score each of person who takes the survey.*

### **Team Members:**

### **Links:**

12th

## Happy & motivated during quarantine

Chloe Ann

JM Wright Technical School

Community, Education

### **What problems are you trying to solve?**

*We are trying to help people stay motivated and remind them that they're not doing this alone.*

### **What inspired you to address this problem?**

*We both struggled at the beginning of quarantine. Feeling lonely and lacking motivation to do the things we once enjoyed, even to do school work. We thought that if we went through that then there must be other people going through it too.*

### **Describe your idea and functionality:**

*Day in the life of a high schooler in quarantine.*

### **Team Members:**

Franciso Garcia

### **Links:**

12th

## **Mask on**

Manny Guaman

Danbury High School

Community, Health

### **What problems are you trying to solve?**

*The problem I am trying to solve is the spread of COVID-19. More and more people are getting the virus and with this idea it can reduce the number of people getting contagious.*

### **What inspired you to address this problem?**

*The thing that inspired me was seeing people in stores and public areas without any masks or gloves. They seemed to have forgotten them or just did not care to bring them.*

### **Describe your idea and functionality:**

*My app will be able to connect to the Bluetooth device on people's phones. With that, the app will remind the user to bring their mask, gloves and other accessories.*

### **Team Members:**

### **Links:**

12th

## Findagrammer

Nemat Shaikh

South Windsor High School

Businesses

### **What problems are you trying to solve?**

*The problem I will be addressing is the difficulty of switching to an online business model. Much of the research I've done indicates the lack of resources in this area of business. There are ambiguous guides and websites where businesses go for material, but the app/website I'm making will remove that ambiguity. It will be a one-stop-shop to transitioning between business models. Without my idea, certain businesses will be driven towards bankruptcy, even when it's completely avoidable. Plus, who wants their favorite local business to disappear just because they weren't 'tech-savvy'.*

### **What inspired you to address this problem?**

*I have a couple of cousins who help my uncle run his flower business. They were successful enough to the point where their college degrees were pretty much useless. However, once the pandemic started their customer count severely decreased. That's when one of my cousins recognized they needed to have their own website. Luckily he had a bachelor's in CS so he could help his father create a website of their own. His father's previous efforts to follow guides and videos online never yielded true results, but his programmer son could. Likewise, local businesses that are struggling to fight bankruptcy shouldn't have to follow frivolous tech gurus online, they should be able to hire programmers to concretely get what they need to be done, done. If you can hire babysitters and gardeners online, why can't you hire a programmer to do your bidding as well?*

### **Describe your idea and functionality:**

*If they are creating an account they will choose whether they are a programmer looking for work or a company owner looking for some help.*

*If they are not logging in for the first time they can continue to the app*

*If they are a Programmer - They can see different clients/owners looking for help in some sort of list. They can click on these clients and send them a message if they're interested in aiding them - with a price in mind (can be different from the asking).*

*If they are a Client - They can see different programmers looking for work in some sort of list. They can click on these programmers and send them a message if they're interested in their work. They can also see additional reviews from other clients if the programmer already has experience on the app.*

### **Team Members:**

### **Links:**



12th

## Restaurant Reopenings App

Sydney Fournier

South Windsor High School

Businesses, Entertainment

### **What problems are you trying to solve?**

*This app will address the problem of restaurants reopening during the COVID-19 pandemic and the general public not knowing. Many restaurants over the past couple months have been operating under a take-out only policy due to orders from the Governor of Connecticut. As the state continues to follow the reopening plan, restaurants have been given permission to allow outdoor dining and take-out as options. With many locations not having existing outdoor dining available, some restaurants have transformed parking lots, sidewalks and lawn with tables and chairs. Since it is not required for restaurants to offer outdoor dining, the public is unaware how many restaurants will offer this feature. With our app, the public can look up restaurants and see live updates when outdoor dining is implemented, which could save businesses in the long run. If the problem isn't solved, then restaurants may be forced to go out of business because they have no customers, and no revenue. By providing resources to the public notifying them of restaurants that are open, we can do our part to support local and chain restaurants from closing. Our research was done mostly by what we have seen in the community. It is clear that many people are unaware of what exactly is open at times and there are many rumors that have circulated which may not be true. This app will clear the confusion and make it clear to the community where they can go at certain times.*

### **What inspired you to address this problem?**

*Many businesses are beginning to reopen and the public needs to be alerted about it. It'd be easier if there was one app that had all of this information in one place. As the summer season begins, many seasonal businesses in vacation areas like Rhode Island and Massachusetts will open for the season. However, due to the amount of uncertainty surrounding the pandemic, many families may not know if their favorite restaurants are open, and to what capacity they are serving customers. Just this weekend I visited Cape Cod and my family was surprised to see that our favorite restaurant was open for takeout. We had no idea it was open, and we didn't know until we took the 30 minute drive out to check. It would be much more time efficient and convenient for families to be able to check one single app for updates on restaurants, leaving less time for wondering and more time to spend with each other.*

### **Describe your idea and functionality:**

*See below.*

### **Team Members:**

Cooper Castellone

### **Links:**

[https://drive.google.com/drive/folders/1PCjT-FGjyXDTc3t4zAVCFesMmJ\\_EtQof?usp=sharing](https://drive.google.com/drive/folders/1PCjT-FGjyXDTc3t4zAVCFesMmJ_EtQof?usp=sharing)

12th

## HeartLocal

Van Anh Tran

South Windsor High School

Businesses, Community, Entertainment

### **What problems are you trying to solve?**

*The problem being addressed is the misinformation regarding changing business times and policies during the Covid-19 response. Furthermore, with the influx of news media and everyday updates from the government, local citizens may have trouble understanding which stores they have access to, as well as any new policies the state government has enacted on outside businesses.*

### **What inspired you to address this problem?**

*This idea was inspired by the recent May 20th reopening in Connecticut for certain stores other than essential businesses. It was also inspired by the recent news / arguments about the challenges the U.S. states will face in regards to keeping their economy afloat during the Covid-19 response. Although Connecticut is one of the few states who are not as affected economically by the reduction in tourism and entertainment, many citizens are concerned about the survivability of the local businesses. This was kept in mind while I was brainstorming the idea of a "tracker" app that made it easier for people to be exposed to local names. I was also inspired by my fellow students, who are eager to slowly transition back to a somewhat normal life by being able to buy and eat the things that they normally did.*

*To continue, I was inspired by the sheer amount of family-run restaurants that I saw around Connecticut, and how many of them were suffering because of the inability to sell their products. One restaurant that my family frequents to a lot (Pho 501 in Hartford), adopted a take-out system that reduced the contact time between other customers and restaurant workers. However, I noticed that despite their large social media presence in Facebook and Instagram, the times that they are open were inaccurate on websites such as Yelp or Google. Therefore, this inspired me to think about an app that would have the most updated information on local businesses, so that interested customers did not have to traverse different food review websites or call the restaurant to get the correct hours / policies of the restaurant.*

### **Describe your idea and functionality:**

*The app would be relatively simple, and would serve the sole function of giving customers information about which local businesses were open, their hours, their location, and any special policies that the customers should know about before going there. The display would be a simple map with icons symbolizing what type of business is located there (a fork and knife symbol is a restaurant, a hammer symbol is a hardware store, etc). Click the link below the visualization of the map.*

*Furthermore, the app would have several links to recent articles / updates on the current re-opening situation. For instance, the app could have a link to an article about which state economies are most exposed to Covid-19, so that customers living in, say, Connecticut can estimate when more reopening may happen. The app can have a button, that allows users to click and be redirected to another web viewer displaying the website with the respective link.*

### **Team Members:**

### **Links:**

## The COVID-19 Informant

Taylor Chen

South Windsor High School

Education, Health

### What problems are you trying to solve?

*The problem being addressed is the lack of awareness that certain individuals have about the facts behind the COVID-19 pandemic, and the lack of seriousness towards the matter that results within them. Another problem that is being addressed simultaneously is the spreading of the coronavirus among individuals and the actual contraction of the deadly disease. Through research, I learned that there are over three hundred thousands deaths caused by the coronavirus worldwide. Within the span of less than a year, over five million people have contracted the disease through spreading from others who are infected and other means. This is a major problem for the United States of America, as the country has the most confirmed cases and deaths as a result of the virus. Research also allowed me to learn about the measures that individuals can take to protect themselves and others from contracting the disease. The information found regarding statistics behind the COVID-19 pandemic solves the former part of the outlined issue. I believe that those who learn about these significant numbers concerning death tolls, hospitalization, and infections will raise alarm within the public and establish that the coronavirus is a very serious matter that has taken hundreds of thousands of lives worldwide. I believe that these facts will help foster a serious attitude towards the pandemic. The research performed on the topic of how to protect oneself from contracting the disease and how to prevent the spreading of the disease solves the latter part of the problem. If individuals learn the proper measures to take in order to prevent themselves from becoming infected, then the pandemic curve will certainly flatten out. If these measures are taken, the virus will most likely spread at a lower rate and put a cap on the number of individuals who contract the disease. If these problems are not solved, however, the coronavirus will continue to spread among individuals worldwide and the numbers behind the pandemic will do nothing but continuously increase.*

### What inspired you to address this problem?

*I was motivated to do this idea by a sense of love and pride that I felt for the country that I live in, the United States of America. I myself learned about the seriousness of the COVID-19 pandemic through research, especially in the United States. My country has the most cases and deaths as a result of the pandemic. This elicited a reaction within me to take action myself. I wanted others to feel the sense of importance towards the matter that I felt after I learned how serious it truly is. As a result, I landed on the idea of informing others about information behind the pandemic as well as how to protect themselves and others in order to flatten the pandemic curve. My whole goal here was to help contribute towards beating the virus, not only in just my country, but in countries worldwide. Another source of inspiration to do this idea came from the love that I have for my friends and family. I would not want my family in a million years to suffer through a virus like COVID-19. I know that others worldwide feel the same love for their family and would not want them to suffer at the hands of a deadly disease. As a result, I wanted to help keep my family and others' families safe from COVID-19. While a bit abstract, I wanted the concept of "love" to beat something harmful.*

### Describe your idea and functionality:

*My app aims to teach users about the facts and numbers of COVID-19. On the home screen, users click the button at the bottom of the screen, which allows them to access other screens. This button brings users to screen where they select from 3 buttons. One is labeled "The Virus", which brings users to a screen where they can learn about the science behind the disease. Another button labeled "The Numbers" brings users to a screen where they can view live numbers of deaths, cases, and recoveries worldwide and in specific countries. The*

12th

## CT Covid Hotspots

Dyami Watson Jr

Windsor High School

Community, Vulnerable Populations

### **What problems are you trying to solve?**

*4.93 million total cases, 324 thousand worldwide deaths. With numbers such as these, our number one priority should be finding ways to stop the spread of this virus and give relief to the health care system. The key to doing this is awareness.*

### **What inspired you to address this problem?**

*Because there are so many people infected with COVID and with recent plans being approved to reopen, now more than ever the population needs to be aware of where there is a large number of infected people in the state in order to stay away from them and stay safe.*

### **Describe your idea and functionality:**

*The first step in getting rid of Coronavirus is making sure everyone is aware that it exists and where it exists most. Because of this, I propose an app called the CT COVID Hotspots(CTCH). This app would consist of a map of Connecticut and each city will be color-coded based on the number of cases. The towns with the most number of cases would be a deep red while the city with the least amount of cases would be a light red. There will also be an option to click on the city in which more information about the number of deaths number currently infected as well as the location within the city in which COVID patients have been to while they were infected.*

*With the CTCH app, it will work to help make people more informed about where they are going and what is happening in their state. Especially with reopening procedures underway, now more than ever people need to stay smart and stay ahead of the virus.*

**Team Members:**

**Links:**

12th

## **Covid-19 Tracker**

Ethan Dunn

Parish Hill Middle/High School

Community, Health

### **What problems are you trying to solve?**

*Informing people about the presence of the virus in their state and town/city.*

### **What inspired you to address this problem?**

*We sometimes find it difficult to get information about Covid-19 in our state, so we wanted to think of something that could make it easier. Trying to find out how many people have the virus, and especially where the most people with the virus are, is often difficult, as we have to sift through different sites on Google to find the answer. Most sites either don't have the answers we're looking for, or are difficult to navigate and find the answers. We simply want a better way to get the information we need.*

### **Describe your idea and functionality:**

*Our idea is an app that takes data from the Internet to create a simple, easy to use way to track the virus. It will allow the user to choose a state and will show how many people have the virus in the state and where they are concentrated. It will also allow the user to pick their town/city and will give them daily updates on how many people have the virus there and where they are. The app will also show whether the number of cases of the virus are increasing or decreasing. The app will gather this data from different sources like the CDC and Google Maps, allowing users to have all of the information they need in one place in a user friendly format.*

### **Team Members:**

Noah Sweat

Samuel Grenon

Elizabeth Sweat

### **Links:**