

11th

DELIVERME

Emma Sansom

South Windsor High School

Businesses, Community, Vulnerable Populations

What problems are you trying to solve?

The problem I am addressing is that many people, whether immunocompromised, elderly, or essential workers, are unable to go out of their homes or places of work to pick up necessities like groceries, prescriptions, and personal care items. While some people have neighbors or friends who can run out for them, there are tons of people who can't get the things they need while staying quarantined at home. After researching, I noticed there were grocery stores who do at-home delivery. However, grocery stores don't always have everything an individual needs. I also saw on some news outlets that teenagers are already becoming "errand boys" for the vulnerable populations in their community. I thought this was such a great idea and should be expanded to reach other communities across the United States. This also allows people who are unemployed at this time to earn some money to support themselves. The unemployment rate in CT is currently around 7%, compared to previous years when it was below 1%. A lot of people are out of jobs, and this would give them a chance to earn some money and also feel like they are helping their community in this scary and unpredictable time.

What inspired you to address this problem?

I was inspired to formulate this idea after seeing some teenage boys delivering groceries to their community's vulnerable population on the news. I thought this was such a good idea, but that it might be hard for individuals to reach out to people in their community to see if they needed help. By creating an app, this idea is easily accessible to anyone with a phone, computer, or tablet. During this pandemic, two of the largest problems seem to be unemployment and the inability to obtain essential materials. This app will allow both to be less of a problem. Personally, I have been running to the grocery store, the pharmacy, and restaurants to get my grandma the things she needs while she remains quarantined at home. While my grandma is fully capable of getting her own groceries, allowing me to get them for her is going to save her life. I'm sure there are so many more people in my town alone that I could help and this app would allow myself and many others, to do that.

Describe your idea and functionality:

<https://docs.google.com/document/d/1RDLMNMTe3OvgJ79ZSae1aU6cJHNYjZg0iOSsKCgcCQ/edit>

Team Members:

Links:

<https://drive.google.com/file/d/1-UHs945hFAsCKsgNW09nEtHUF4H-ZkR0/view>

11th

CoLAB

Vasundhara Bagchi

Wilton High School

Education, Health, Research teams/Labs

What problems are you trying to solve?

So many research and lab teams are working to find a vaccine or other solution to the COVID-19 pandemic. However, for the amount of work they contribute, the results are relatively inefficient. While some teams have ideas but not enough resources to follow through, others have the funding and resources, but less advanced ideas or analytic power. This lack of unity is a major deterrent.

What inspired you to address this problem?

In the midst of an unprecedented and rapidly progressing global pandemic, it is crucial that the brightest minds of the world work together in efforts to find a solution. The idea for this project stems from the fact that research communities working together can produce results much faster, and perhaps even with greater accuracy than if they work separately. Given the nature of this pandemic, time is a critical component. Thousands of lives are lost for every day that passes without a cure. Thus, by combining the resources and creativity of a greater number of people, the progress in solutions to the current pandemic can be optimized.

Describe your idea and functionality:

Labs would first input data such as their specialization, staff, equipment, budget, resources, and manpower. The program would effectively cross-reference lab capabilities and divide work by what is most suitable for each lab. Labs don't take on more than their capacity yet take on just enough, so their contribution is maximized. The results of their experiments would be compiled so that all groups are kept updated on the recent findings, and repetition and waste of resources would be limited. This information would be entered into a public database to mitigate the concerns of the public by showing what progress is being made. Calculations and errors would be verified by different lab teams to minimize analytic errors. The program would be beneficial for smaller labs that struggle to compete with larger labs/research teams. It could also be open to grad students, allowing us to harness the manpower of graduate students whilst allowing them to gain hands-on experience.

Team Members:

Bronwyn Walsh

Links:

https://drive.google.com/file/d/1sycFXv6AbYt_Ka48-AGnzPUspW_YLoQC/view?usp=sharing

11th

Hansel - Contact Tracing for COVID

Rishabh Mandayam

Staples High School

Community, Education, Health

What problems are you trying to solve?

Contact Tracing is designed to slow the spread of COVID-19 by alerting people to likely exposures. Contacts then alter their behavior (through testing and self-quarantining) to reduce the likelihood they infect others.

What inspired you to address this problem?

I had been reading about the exponential growth of COVID-19 in China and Italy and when our school closed, it really hit home. Other countries such as New Zealand, South Korea, and India have all successfully used contact tracing to combat the spread of COVID-19. I wanted to create a fully anonymous and effective version contact tracing to help slow the spread of the virus.

Describe your idea and functionality:

Hansel is a privacy-preserving, open-source, contact tracing application created to slow the spread of COVID-19. The app uploads a hash of where you were and at what time, which lets us match you to other people that have crossed your path. When someone self-reports a COVID-19 diagnosis we alert any other users with matching location hashes. Only those users can see the locations where they've been exposed and can decide to get tested or self-quarantine. Your location data never leaves your phone, and we never know your name, making it completely anonymous.

Team Members:

Links:

https://drive.google.com/file/d/1o97kz9qNhvnrFP7Krp_NW-bKr8hFTDcs/view?usp=sharing

11th

COVID-19 Connecticut Tracker

Rishabh Mandayam

Staples High School

Community, Education

What problems are you trying to solve?

The goal of our website is to track the rate at which the community spread of COVID-19 is happening and increase awareness in the community about the virus.

What inspired you to address this problem?

When schools first closed, my sister and I wanted to understand how quickly and how severely our towns would be impacted. The website started out as an interesting coding project and then as the number of cases began to jump, we decided it would be worth sharing it with the community.

Describe your idea and functionality:

The website (<https://ctcovid.firebaseio.com/>) displays the two-week trends and 45-day trends for all of the counties in Connecticut. Data is also available for the United States as a comparison. It is updated regularly with new graphs for both the United States and the counties in Connecticut. The data is collected from the CT Department of Public Health and the CDC's and ECDC's websites.

Team Members:

Raina Mandayam

Links:

https://drive.google.com/file/d/1zVAnpHI8PvpAG8x_X2HGcZ3JN3ZETef0/view?usp=sharing

The RFID plan

Johan Chittisery

South Windsor High School

Businesses, Community, Health, Vulnerable Populations

What problems are you trying to solve?

The problem addressed here is the spread of Coronavirus, the economic disparity of the country, and the fear caused by the outbreak. After the outbreak, we can see that our economy is on the verge of collapsing because we are unable to identify the Coronavirus and in fear of spreading the virus, people had to stay at home and most are unable to work and gather an income. Businesses went down because of it but have no chance of selling their products as efficiently as before. However, with this technology, we would be able to distinguish the virus which drastically reduces the fear in people. This will allow people to work and get a wage while reducing the spread of Coronavirus, possibly defeat it in the long run. Killing three birds with one stone.

What inspired you to address this problem?

I got inspiration from the app built by China which allows them to track the citizens and make sure they are not in contact with people as well as monitor whether the person has the virus or not. This effectively reduced the number of casualties from the Coronavirus. However, I find this system very intrusive as they check whether you have Coronavirus from a series of tests in public as well as tracking using your phone, therefore, although this is a preventative measure I do not think that the person really needs to be tracked or conduct tests in public. Taking data from your phone can be also intrusive, and I do not suggest that. Therefore, I got an idea from Contactless cards where it reads from RFID and finds out whether the person has Coronavirus or not. The passive RFIDs are not electronically powered making it virtually impossible to hack RFID. Instead, it is powered by radio-waves from close-range distances. It is not intrusive in any way because again they are not electronically powered, therefore, no-one can track you using any type of software. It will only be read if the card is close enough to a scanner which in this case, any radio-emitting and receiving device that can collect data.

Describe your idea and functionality:

These tags can be either put into anything but preferably a card. This is only supplied in Healthcare centers where the RFID is a government certified so that it reduces the chance for fraud and have to go to a checkup(free) to find out whether you have coronavirus or not. There will be an app (necessary to install) or a special device given by the center that reads these cards to find out whether the person has coronavirus or not if the person does it would vibrate powerfully or makes a sound depending on your choice to let you know. The information read will only take their status as either having the virus or not. To use any services, scanners will be implemented(can be implemented in antitheft scanners in front of the shop or in front of doors, in bus doors or entering the railway station, etc.) If you do not have your RFID, then it would not be possible to use the services provided or go to work and have to go to a nearby hospital to get one.

Team Members:

Links:

11th

Mind

Ronaldo Carrillo

J.M. Wright Technical High School

Education, Health

What problems are you trying to solve?

Problem: How to take care of your mind during COVID-19 because we are inside and always looking at a screen which is unhealthy.

What inspired you to address this problem?

Well, it was a school project and the topic I was doing was about the mind and how to take care of it. It just seems fit to be discussed since we are at home doing nothing.

Describe your idea and functionality:

It just talks about meditation, how it works, and it's very easy to follow

Team Members:

Links:

Need the Help^2 the Need

Harish Prasad

South Windsor High School

Community, Health, Vulnerable Populations, People with special needs

What problems are you trying to solve?

The coronavirus pandemic has affected people globally and many essential services are not readily accessible, especially for senior citizens. Besides, there are numerous service needs for senior citizens, people with special medical conditions, people with special needs, etc that may not be classified as essential but are very critical for them. While there are generous people in the community who would be willing to help the needy people, there is no avenue for them to know the needs. My solution to address this problem is to develop an application that will connect those that "need the help" and those that would like to "help the need".

What inspired you to address this problem?

From watching the news, I notice that the number of deaths in the US and worldwide rises drastically every day due to the coronavirus. People of different ages are becoming prone to the virus and not everyone has an equal opportunity of receiving sufficient treatment in order to fight the virus. I have also heard stories of elderly people who need help with day-to-day activities like replacing a lightbulb, accessing their attic, etc. I have also come across many good samaritans wondering how they can extend their support in these trying times. In researching, I could not find an avenue that directly connects the people with needs and the people helping those who need help. After becoming more aware of what the world around me was really going through amidst this pandemic, I have started sympathizing with those who need help and those who want to help. Therefore, I wanted an application that would create an avenue for people to help those in need as efficiently as possible.

Describe your idea and functionality:

My application is intended to have the following components:

Registration: Validates and registers people that have a need for help as well as volunteers that would like to help the needy.

Service request: Captures service requests from the people that need the help

Dispatch request: Sends any open request to volunteers in the proximity of the service requester

Service fulfillment: Volunteer would close the service request once the request is fulfilled

Service feedback: Captures feedback from the requester after the request is fulfilled

Administration: Validates registration, monitors open requests, monitors timely service fulfillment, service feedback, and recognizes volunteer services

Team Members:

Links:

<https://drive.google.com/file/d/1Rfj0qTUQdtFHE8x-vWhF-8lufSZ1OL0Q/view?usp=sharing>

DELIVERME

Emma Sansom

South Windsor High School

Businesses, Community, Vulnerable Populations

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What inspired you to address this problem?

I was inspired to formulate this idea after seeing some teenage boys delivering groceries to their community's vulnerable population on the news. I thought this was such a good idea, but it might be hard for individuals to reach out to people in their community to see if they needed help. By creating an app, this idea is easily accessible to anyone with a phone, computer, or tablet. During this pandemic, two of the largest problems seem to be unemployment and the inability to obtain essential materials. This app will allow both to be less of a problem. Personally, I have been running to the grocery store, the pharmacy, and restaurants to get my grandma the things she needs while she remains quarantined at home. While my grandma is fully capable of getting her own groceries, allowing me to get them for her is going to save her life. I'm sure there are so many more people in my town alone that I could help and this app would allow me, and many others, to do that.

Describe your idea and functionality:

A user would be brought to the main screen to sign in or sign up as a user or a driver. They will not need to log in each time. This app would use many loops, lists, and variables to complete each task, especially when looking for drivers and pairing them up with an appropriate user. The map and GPS aspect will be huge in developing this app, seeing it's how the user will have integrity in the app and the driver. Finally, a cloud database will be important so the app can locate and match drivers and users that are available and on the app. This app could be coded in any application, however, I think that programs like App Inventor may be harder to create the app in, especially with needing a large database and a GPS service. I imagine there are many things within this app that would need to be worked out and approved on a higher level than anything I can code, however, using this basic template, I believe a more experienced engineer could create this app and make it user friendly!

Team Members:

Links:

<https://drive.google.com/file/d/1-UHs945hFAsCKsgNW09nEtHUF4H-ZkR0/view?usp=sharing>

<https://docs.google.com/document/d/1RDLMNMTe3OvgI79ZSae1aU6cJHNYjZg0iOSsKCgcCQ/edit>

ANT (Think 6 Feet)

Shamreetha Seeniraj

Miss Porter's School

Community, Education, Health, Vulnerable Populations

What problems are you trying to solve?

One of the biggest indirect consequences of this pandemic is the fear of losing a sense of community. While this pandemic has caused us to become increasingly aware of our physical health, it has also had profound effects on our mental and psychological health. I know that I speak from a position of privilege that this pandemic has not had a direct effect on the health of my family and loved ones, but it has impacted me, as well as many others, mentally. As a rising senior who has many friends who are part of the class of 2020, I have experienced first-hand how this pandemic has stripped away their community during their last months of highschool. The problem I hoped to solve with my idea was, "How can we safely maintain a sense of community during times of social distancing?"

What inspired you to address this problem?

As I previously mentioned, the inspiration for this idea stemmed from the class of 2020. They have truly been our role models during these unprecedented times and have taught me how to handle these situations with respect, empathy, and grace. My heart goes out to them; they will not be able to graduate in the traditional way. This idea was an attempt to provide a safer method of being around our community as social distancing guidelines are slowly beginning to be lifted.

Describe your idea and functionality:

The app that I envision would be simple, but practical. The basic function would help us safely begin to reconvene together as a community. To start, users would create a profile on the app and then would proceed to add their friends. When two individuals have both added each other, they can connect to use the service. It's easier to explain the idea in practice: Say for example, you wanted to have a picnic with a friend in an outdoor location. You both would activate the app and click "Track" next to the other's profile. The app would take into account, using GPS, your geographical location in relation to your friends. While isolation is beginning to be lifted in Connecticut, it is still important to consider the CDC's guidelines of maintaining a distance of six feet. My app would emit a sound to let both friends know when the distance between them is less than six feet. This will decrease the risk of transmission and better educate the population. Many people are still continuing to see their friends in large groups and are putting people at risk. This app would allow individuals to see their friends, as social distancing regulations are slowly being lifted in the state, but also remain conscious, global citizens. This app could also potentially be used proactively when visiting a more vulnerable individual. For example, if you wanted to visit an older family member after isolation restrictions had been lifted, you could still ensure their health with this app.

Team Members:

Links:

11th

Benefits of PPE during COVID-19

Alexis Lent

JM Wright Technical High School

Community, Education, Health, Vulnerable Populations

What problems are you trying to solve?

I am trying to show people the effects positive and negative that using PPE during the COVID-19 pandemic can have on one another. My Google Slides presentation explains why it is important to use PPE and how people can make their own at home using items from big box stores such as Walmart to protect themselves. I also explain which PPE is best used when going out in public. One of the things I wanted to bring awareness to is the fact that people are wearing their face masks and gloves while driving. Wearing gloves while touching multiple different things is cross-contamination which is one of the reasons this is making the COVID-19 situation difficult.

What inspired you to address this problem?

I was inspired to address this topic (PPE/COVID-19) because as a current junior studying Health Technology I felt the need to bring awareness on the proper use of PPE and when it should be worn. As a Health Technology student, one of the first things we are taught is the proper use of PPE before volunteering at facilities such as Stamford Hospital, Edgehill, and the Villa. From my own personal experience, I have seen many people not wearing their PPE properly. Many people do not understand what cross-contamination is or how it works.

Describe your idea and functionality:

My idea for this project was to bring awareness of the importance of PPE and also the severity of COVID-19 in Connecticut. Being a student learning about the healthcare industry I felt the need to show people how important it is to wear PPE the proper way and what can happen if it is not worn or disposed of properly. I also inserted a video of a nurse who explains cross-contamination when wearing gloves in public. Many people that I have seen at the grocery store or other public places have not worn/ disposed of their PPE properly and still do not know how to follow the "6 feet apart" rule. My idea was to also describe the importance of staying home for vulnerable people. All anyone wants is their life to go back to normal, but this cannot happen with people not following protocols properly and cross-contaminating to get people sick whether it is on purpose or not.

Team Members:

Links:

<https://docs.google.com/presentation/d/1QWTPQEWHmS4-HhsHrRpXH-bBKqZn0XuN450MS-BHriE/edit?usp=sharing>

11th

Let's Disinfect

Natasha Corcino

East Lyme High School

Community, Entertainment

What problems are you trying to solve?

I just wanted to make this game to encourage people to disinfect more due to the COVID-19 epidemic.

What inspired you to address this problem?

I noticed that we all have been disinfecting more to combat germs and bacteria. Due to this, I decided to make a game where you play as a disinfectant bottle, and touch germs to kill them.

Describe your idea and functionality:

The idea was just to make a simple game that would entertain, while also giving out the idea that people should be sure to disinfect after they come from the outside, as to not have COVID spread.

Team Members:

Links:

<https://scratch.mit.edu/projects/397540414/>

11th

Hospital Resource Information

Maya Snyder

Wilton High School

Health

What problems are you trying to solve?

The unequal pressure hospitals face as patients from more population dense areas or areas with more cases flood in when there is a lack of resources to help, yet other hospitals have resources to help and less patients.

What inspired you to address this problem?

The disparity in the number of cases by county in the state causes more pressure on counties with higher numbers of cases and the inability of other hospitals to be able to help properly. Living in Fairfield county, I know that there are many more cases here than other parts of the state and I believe that using this idea the whole community can be helped. Overall the goal is to give the best help to those who need it in the most efficient manner.

Describe your idea and functionality:

A website and database where hospitals report their number of hospital beds, respirators, tests, and other necessary supplies so that patients can choose to go to hospitals with more supplies for them. This will give each patient the best care and help balance out the number of cases per hospital and help healthcare workers on the front line manage patients. This will help flatten the curve as distribution and few cases per location will mean hospital staff have more time per patient and more resources to divide up. The overall goal in doing this is to relieve pressure from hospitals with many more cases and stress and divert them to locations with much less incoming volume of patients. In cases of emergency, patients will always go to the nearest hospital but having information on which hospitals can take more capacity means once a patient is stable they can be transferred elsewhere for care in a location more equipped to help.

Team Members:

Links:

11th

Acknowledging Small Businesses

Maya Snyder

Wilton High School

Businesses, Community

What problems are you trying to solve?

Struggling small businesses who have many less consumers due to COVID-19 and the struggle to get their word out to the community.

What inspired you to address this problem?

I have been supporting many local businesses that I frequent often and many are clearly struggling and need help to stay afloat during these times and going forward.

Describe your idea and functionality:

If there was a website where small business owners could post if they are open and what they are still currently offering as well as any special promotions or deals than they would be able to have much more business because of the free advertising and marketing to the entire state. This could also be a way for places and companies that are truly struggling can ask for help so that locals who care can know that this business is at a threat of closing or going out of business and they can support them specifically. This could go for shops, food service locations, and people who do small businesses such as photographers, psychics, and other less thought about jobs that may be struggling right now.

Team Members:

Links:

11th

We Are Not Alone

Maya Snyder

Wilton High School

Community, Health, Vulnerable Populations

What problems are you trying to solve?

Those who are vulnerable in this time whether it be due to age, immune system issues, mental health issues, or fear in general who feel helpless, alone, and all sorts of difficult emotions.

What inspired you to address this problem?

There are many people in Connecticut's community who are or feel alone or scared and feel like they need something to do or a way to help or be helped.

Describe your idea and functionality:

A website that pairs people who want to reach out to talk to someone whether it is because they are lonely or scared or because they want a way to help the people in our community. Once matched people can either message each other or video chat in order to connect with others and feel like people care and they can help others and just have a way to interact with others when they feel isolated. People can choose to be anonymous or not and decide if they want to chat through messages or talk over a video call. This will improve peoples lives and mental health during this time and create support system for those who need it and an outlet to help for those who feel the desire to make a difference in this crazy time.

Team Members:

Links:

The Go-To Application

Adena Russel

Academy of Information Technology and Engineering - Stamford

Businesses, Community, Education

What problems are you trying to solve?

During these uncertain times, many citizens are left confused about what the exact case numbers may be and what guidelines they must follow. Additionally, due to many restaurants being closed or only having certain guidelines, people are left unaware and often have to bounce about multiple websites to find reliable resources. Further, they can learn how to adequately protect themselves.

What inspired you to address this problem?

I was inspired by having to search through many websites, and Twitter feeds to find reliable resources. Specifically, I found it difficult to find actual case numbers and resources. Additionally, I saw on a community Facebook group that people were making their directories for local restaurants that were open and though that, such practices would be beneficial to the greater community as well. For the social distancing "tracker," I was inspired by an app I have for my car, which reports my driving scores and trip information. I believe that similar characteristics can be implemented to monitor social distancing, but precisely the amount of travel.

Describe your idea and functionality:

My proposed computing solution is a mobile application that would extract data from local governments' Twitter feeds/websites and from the governor's feed/state website. This way, citizens are provided with a page that directly states any official orders that may be active. Another functionality would be a case tracker, so citizens are aware of official numbers rather than researching and finding numbers from various sources. An added feature would show which restaurants may be open (something that may be extracted from Yelp or directory of accessible restaurants). Additionally, similar to car tracking apps, a possible functionality would be to monitor one's social distancing score. Once one downloads the app, they consent to have their location tracked and would be able to set specific locations, and when they leave their house, an "instance" would be added. This would show the user all the times they left home to help them understand whether their travel is truly essential.

Team Members:

Links:

11th

Half Paint

James Stallone

Newtown High School

Community, Education, Health

What problems are you trying to solve?

Young children can no longer make or keep friends, and it may be that way for a few years. These are formative years, and being locked up with no one but your authority figures for a few years sounds like it could be dangerous for kids.

What inspired you to address this problem?

My 5 year old brother is having a terrible time. He's constantly bugging me and my family for attention that work and school can't allow to be given. A ridiculous amount of school work is dished out to Kindergartners, and my parents must make the choice of forcing him to do hours of uninteresting busy-work, reading out paragraphs of instructions to a bored lonely 5 year old, or do their own jobs efficiently.

Describe your idea and functionality:

The overworked student problem can only be solved by the government, making schools more autonomous so that policy and curriculum can be garnered by parents and teachers rather than lawmakers and Pearson Education. The lonely student problem can be at least treated with a simple-to-use, easily accessed face timing app (like Omegle, Discord, or Skype) exclusively for students to make and catch up with friends in. Most young kids would rather play with each other in person, but with a face timing app they can at least hold conversations with other students. If the app only allowed Connecticut students, then the app may have the feature of meeting random students, without the risk of creepy weirdos. There may be a built-in paint option, for students to draw pictures with while they talk, or a co-op paint option for students to draw on the same screen together, useful for tic tac toe or skribble or something.

Team Members:

Links:

11th

The Lifelong Achievement board

Ryan Belanger

Windham Technical High School

Entertainment

What problems are you trying to solve?

We are trying to solve the emptiness of entertainment that has arisen during this time of pandemic.

What inspired you to address this problem?

What inspired us was just the simple idea of adding achievements to daily life. The Idea really stemmed off of our idea to do a social app that you could share what you have done and it gives you a score regarding what you did and rates you on that.

Describe your idea and functionality:

The idea is to add a flair to daily life and make it slightly like a game that will motivate people to do the "achievements" which are normal every day goals and also life goals. With a push for points in this game people will get up, move around, and help out the society in more ways than one. Besides that we have the idea that it could also be a early warning system. if someone catches something or is just extremely sick it could be set up to send out a notification to the people on its friends list and also send it to anyone that is part of their family that has the app as well.

Team Members:

Randy Twarz

Howard Todd

Links:

Symptom Tracker

Keshav Ramesh

South Windsor High School

Community, Health, Vulnerable Populations

What problems are you trying to solve?

In-person consultations with doctors and specialty care providers can cost upwards of hundreds of dollars, which can place significant financial burdens on families with unemployed family members, and sometimes there are many people who might have to handle a lot of social stigma that comes with having to explain potential exposure to the coronavirus to others, so this is a good way for those with mild symptoms to self-report, with detail, and make sure that the responses they are receiving are from doctors. Additionally, it has been demonstrated that there unfortunately exists widespread discrimination based on race, ethnicity, gender, etc., when it comes to administering medical treatment, so those who might feel as though in-person consultations would not result in proper medical advice would not be judged by these factors if they self-report any symptoms anonymously. The level of income inequality in this country has caused millions of Americans to have to consistently keep track of the costs associated with obtaining medical assistance, and this app is a great way of ensuring that Americans are able to take care of themselves while not having to deal as much with the issues that come with health insurance to cover medical checkups and consultations. Additionally, this takes some of the financial stress away from the tens of millions of American families that now have unemployed family members, so money is saved.

What inspired you to address this problem?

My idea took inspiration from online websites such as Mayo Clinic, WebMD, and the Centers for Disease Control and Prevention (CDC), which, for every disease, list potential symptoms. For example, the CDC website lists eleven (11) known symptoms for the coronavirus, and gives a time range for appearance of symptoms. However, I realized that even though these helpful websites are very clear in listing symptoms of different diseases (such as COVID-19), they are very vague - for example, one symptom listed on the CDC website was "Cough", which does not accurately indicate the likelihood that someone may have coronavirus. I reasoned that it would be better for those who believe they may have the coronavirus to self-report their symptoms anonymously through the Symptom Tracker app, and because of this they can provide far more details about what they are experiencing. This in turn would allow doctors and specialty care providers to better judge the probability that the individual has the coronavirus and what steps they should take to self-quarantine. The purpose of this app is to allow individuals to self-report, with as much detail as possible (while keeping themselves anonymous), any symptoms they are feeling, so that doctors can give legally-allowed medical advice in case the individual needs to self-quarantine themselves, and those individuals do not have to pay excessive amounts of money to get an in-person consultation with a doctor or specialty care provider.

Describe your idea and functionality:

The user would start by choosing whether they are a doctor or patient. If they are a doctor, they have to go through a vetting process to verify that they are actual medical professionals with licenses to consult patients. If the user is a patient, they can either check what the usual COVID-19 symptoms are, or they can describe their symptoms. On the "Usual COVID-19 Symptoms" screen, they can compare their symptoms with known ones published by the CDC, and can access the link to that webpage at the bottom of the screen for more information. On the "Describe Your Symptoms" screen, they can submit any symptoms they are experiencing anonymously so they can get medical advice without facing discrimination, which is a problem in the American healthcare system. There's a list of self-quarantining guidelines below the text box for symptom submission, and below that, the user can scroll through responses from different doctors every time the patient self-reports

COVID-19 Test Site Locator

Kenneth Choi

Ridgefield High School

Community, Health, Vulnerable Populations

What problems are you trying to solve?

As COVID-19 testing and screening sites sprang up across the U.S., we noticed that many of them were unknown to the public due to a lack of communication. Many did not even know the difference between testing and screening, and there was no user-friendly way to search for testing and screening sites. Someone who wanted to be screened or tested for COVID-19 would have had to scour the Internet to find the site closest to their address, and many would simply give up or be unable to find a nearby site, increasing the risk of them spreading the disease.

What inspired you to address this problem?

In March, my teammates and I were accepted into the Research Science Institute (RSI), which is a 6-week residential summer program for rising high school seniors at the Massachusetts Institute of Technology (MIT). However, the summer program was soon moved online due to the severity of the pandemic. But since my teammates and I had already connected with each other through Facebook, we realized that we could put our minds together to fight COVID-19! We brainstormed a list of ideas, and my idea was to create a tool that would help Americans find their nearest COVID-19 screening and testing sites so that they could be treated as soon as possible. I was inspired to create the website after I spent hours searching and eventually failed to find nearby testing sites in my county. Yoland, Shruthi, and I immediately started to compile data and build the website, and soon, almost 20 other high school juniors joined the project. In just two days, we launched the website, and we still continue to collect data.

Describe your idea and functionality:

Our website can be found at findcovidtests.com. Navigation is user-friendly, allowing users to search for nearby public testing and screening sites by inputting their address and their desired search radius. If the user is not fluent in English, s/he can also select a different language at the top of the website. As of now, we offer translations in Chinese, Spanish, French, Japanese, Korean, and Vietnamese. In addition, if a user notices that a testing/screening site is missing or that a site is incorrect or closed, s/he can scroll down to the bottom of the page and report the issue at the corresponding link.

Team Members:

Yoland Gao

Shruthi Ravichandran

Ellie Carter

John Lin

Ishan Khare

Links:

11th

Washing Hands App

Michaela Intemann

Newtown High School

Health

What problems are you trying to solve?

People not washing hands or just not doing it long enough. Keeps up with hygiene and disease prevention.

What inspired you to address this problem?

My mom's Lord of the Rings themed poetry on the mirrors around the house. She apparently reads them when she washes her hands. Also, I'm getting graded and need something to submit.

Describe your idea and functionality:

It is an app that reminds you to wash your hands. It also (since like everyone at this point brings their phone with them everywhere) can play/read out a collection of poetry or songs to keep time of how long you are washing your hands. You can add and remove what is on the list of poems and songs that are used.

Team Members:

Links:

11th

COVID-alert

Ben Watson

Newtown High School

Community, Health, Vulnerable Populations

What problems are you trying to solve?

improper practices such as not washing your hands, that lead to the spread of the virus

What inspired you to address this problem?

seeing people, especially in large cities where the danger of getting the virus is far more prevalent, without masks and standing far too close to each other

Describe your idea and functionality:

a free app that could be downloaded on any mobile phone the would use location to alert the user when they returned from home to wash their hands, to wear a mask when they leave, and to keep their distance when another user of the app is too close.

Team Members:

Links:

11th

KnowB4

Asuna Gilfoyle

Newtown High School

Community, Health

What problems are you trying to solve?

I'd like to design an app for informing local communities on the current state of COVID-19, for providing local data on the number of cases, where to find testing centers and places that offer curbside pickup. Simply, I'd like to help people be able to provide a central place for information related to COVID-19 to not foster confusion.

What inspired you to address this problem?

I was having dinner one night and we were struggling to find places that clearly outlined curbside pick-up; the websites were often poorly designed and/or not updated with current information or hours.

Describe your idea and functionality:

I'd like to create a system that helps to localize data, use Google's APIs to help to integrate local maps and information for people to get a better idea of information. I'd also like to work with local businesses to get an accurate description of their hours and how people can request curbside pickup for their orders.

Team Members:

Links:

11th

2020 Brings a Surprise

Brianna McCalla

Waterbury Arts Magnet School

Community, Education, Entertainment, Health

What problems are you trying to solve?

The problem I'm trying to solve is how to stop the spread of COVID-19 to calm down people, to educate people about what it is, and how it affects the human body. I also will add the good things about it.

What inspired you to address this problem?

I have always loved computer science so this is a thing to do while I'm at home. I am part of Girls Who Code, and we learn that girls can do coding, too. We learn how to make websites, games, data analysis, robotics, and how to do the task with different programs. I know this will not be a piece of cake, but I will do my best to give good content.

Describe your idea and functionality:

I will be making a website called "2020 Brings a Surprise". It will talk about what it is, how it effects people, how to not catch it, what to do during this pandemic, and to know that it will be over soon.

Team Members:

Links:

11th

The Covid Center

Kalia Brown

Academy of Aerospace & Engineering

Community, Health

What problems are you trying to solve?

We are trying to create a website that can help people in America become more educated in topics related to coronavirus and give people resources in order to help them during this time of uncertainty.

What inspired you to address this problem?

Our team was inspired to address these problems because we noticed that there is a lot of misinformation on the internet and we wanted to make sure that there was a place for people to get the correct information in order to keep themselves and their families safe. We also wanted to have a place for people to have quicker access to resources that can help them purchase masks and other products to keep them safe, and have ways to help improve their mental health.

Describe your idea and functionality:

Our team's idea is to make a website that has information on what the coronavirus is and what steps people can take in order to keep themselves and others healthy. This website will also have links to trusted websites where people can find places to buy masks and other items to keep them healthy. Our website will also include a section that will list activities that people can do during the day to improve their mental health.

Team Members:

Ashley Rinaldi

Antonette Dingwall

Troy Weir

D'Andre Lucy

Links:

11th

How to Stay digitally connected

Roger Jimenez

J.M. Wright Technical High School

Community, Education, Health

What problems are you trying to solve?

How to stay connected to others while not breaking social distancing rules.

What inspired you to address this problem?

The amount of people not social distancing due to not wanting to be alone, which in turn would lead to more cases of the virus being spread among the community.

Describe your idea and functionality:

The idea of my submission is to show ways in which you can practice social distancing, while at the same time be able to stay in communication with loved ones.

Team Members:

Links:

11th

Town Counsel

Erin Mutchek

South Windsor High School

Community

What problems are you trying to solve?

Connecticut has rescheduled its primary elections for August in awareness of the current health risks posed by in-person voting. COVID-19 is known to be transmitted through close exposure to an infected individual; due to the layout of most town gatherings which require people to be seated near each other or touching communal ballots, medical officials have recommended postponing such events. Secretary of State Denise Merrill stated that "In Connecticut, no one should be forced to choose between protecting their health and exercising their right to vote..." However, local leaders are also left with the task of carrying out their duty to the people without the ability to hear their input. Towns that need more informal feedback to advance with modernizing school buildings before the fall, for expensive construction projects, etc. are facing serious losses because of this obstacle. Currently, there is no way for town governments to take citizens' input into account online and be sure of their identity.

What inspired you to address this problem?

Throughout my life, social media platforms have existed as a way to keep in touch with friends and family. Many adults I know use apps like Facebook to communicate, the popularity of which has led to online discussion boards in most towns for local communities. However, this company in particular has faced scrutiny recently for its lack of regulation around political advertising and false information. The pandemic has led to an increase in online activity to discuss issues like how to host an online graduation ceremony, but Facebook is a private company that may not be providing an open, democratic dialogue. My time in computer science classes at my high school inspired me to think that there could be a safer technological approach to accomplishing the same task.

Describe your idea and functionality:

Town Counsel would be a free, open source app, available for modification by members of the public. When a town department wants to collect public opinion, it can construct a survey or poll that every user can participate in once. As long as your device remains connected to the internet, it will receive these updates. For example, if the parks department must decide what to do with a piece of land, they could send out a poll with options like installing a gazebo, more playground equipment, or a bench. Security is the number-one priority for this app, because if people who don't live in a town can vote in its polls, then the town council won't feel confident letting the results guide their decisions. Town Counsel's security is guaranteed by a multi-step confirmation process.

Team Members:

Links:

<https://drive.google.com/drive/folders/1zcUMvEkF-cbSnymHokMDs6LqA6pXAEQH?usp=sharing>

11th

COVID-19: CoreCT

Caleb Schlissel

Danbury High School

Businesses, Community, Health

What problems are you trying to solve?

I am trying to spread user-specific core information about COVID-19, encourage the support of small businesses and essential workers, and connect users in order to promote healthy interactions between members of the community.

What inspired you to address this problem?

I was inspired to address these problems as a result of my own experiences with the pandemic. Firstly, I felt that information was a crucial resource, as myself, as well as many close to me, had become confused due to the often-conflicting and ever-changing information in circulation. Additionally, living in a community surrounded by many small businesses and essential workers provides an incredible incentive to help such organizations and dedicated people. Finally, I have witnessed firsthand the negative social impact that isolation can have on oneself, which inspired me to promote more positive communication between humans.

Describe your idea and functionality:

See below.

Team Members:

Links:

https://docs.google.com/document/d/1kGiDdwavTKKEAV5yM-WVScdtJjKsyxMWBS8NBBOI1_o/edit?usp=sharing

11th

COVID-19: CoreCT

Caleb Schlissel

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Describe your idea and functionality:

See below.

Team Members:

Links:

https://docs.google.com/document/d/1kGiDdwavTKKEAV5yM-WVScdtJjKsyxMWBS8NBBOI1_o/edit?usp=sharing

11th

C.V.I.C(Covid Information Center)

Abigail Weiner

South Windsor High School

Community, Education

What problems are you trying to solve?

The goal of my app is to inform communities while also educating them on how covid-19 is truly impacting them. A major problem right now is that people are very misinformed and not up to date with current rules and regulations put in place by their communities, as well as at the state and federal levels. Additionally, people are unaware how covid-19 is impacting where they live. My app aims to inform and educate people and get them up to date with current rules and regulations while also educating them on where covid-19 is impacting. The last problem my app addresses is how it is hard to find one place to get most information one is looking for. Most of the time, a person has to go to a variety of websites to find out each individual statistic. My app allows users to have one spot where they can find everything they need to know about covid-19.

What inspired you to address this problem?

My inspiration is the John Hopkins Covid 19 map (<https://coronavirus.jhu.edu/us-map>). This map allows people to focus on their county and then when they click on it, it shows cases confirmed per 100k population, and the number of confirmed cases. This map was the inspiration of my idea. This map was the foundation of my idea, but my idea expands upon this map to inform people even further. I thought the map was a great starting place, but I felt that it needed to go more into depth in order to inform the people more.

Describe your idea and functionality:

My idea is centered around a map, much like the one from John Hopkins. The map will be much of the same where it is a live map which is constantly updated as soon as a new case is confirmed. But instead of just showing counties, it will allow users to zoom even further and it will keep stats for each individual town as well. In addition to the map, there will be a slideshow underneath which displays a variety of tips and precautions that people should follow, as well as any updates on Covid-19 at the federal level. The details of my app and examples are shown below.

Ultimately, my idea will inform and educate the people and get them up to date with current rules and regulations while also educating them on where covid-19 is impacting.

Team Members:

Links:

<https://docs.google.com/presentation/d/1pjXYoQzVLjLjCidWkF9pZUpGkvFcYMeLkGxPd9WZsFI/edit?usp=sharing>

COVID-19 Safe Occupancy

Arav Parikh

Bethel High School

Businesses, Community, Vulnerable Populations

What problems are you trying to solve?

The main problem we are trying to solve is allowing the state to reopen in a safe manner so as to avoid a second wave of cases. We feel as if people might become less vigilant with the state's reopening and this might lead to crowded stores and public places, which could lead to further spread of the virus. Even though these stores are operating at half capacity, it is still important to abide by distancing guidelines and maintain convenience which is exactly what our proposed solution plans to do. A centralized app such as this would also make following state regulations far more feasible, as places such as crowded supermarkets would be able to limit their capacity to half without having to individually tally the overwhelming number of customers hourly.

What inspired you to address this problem?

We were inspired by the potential impact that the virus could have on the reopening of the economy in terms of preventing businesses from functioning normally. We would like to see people be able to utilize services like restaurants and grocery stores among other businesses, but under controlled circumstances to prevent further outbreak of the virus. Though the main focus of this idea should be on essential businesses, it can be applied to other public places like beaches which have seen a great increase in people over the past few weeks, leading to potential spikes in cases.

Describe your idea and functionality:

Our solution involves creating a mobile app which will tell customers how many people are inside a store at any given time, which will indicate if it is safe to enter or not. Depending on the size of the building, the app can offer a logistical analysis of an area such as maximum occupancy and an estimate on how busy the location is, allowing people to plan to go at good times. This information can be logged by customers as well as store employees in order to give an accurate estimate of the foot traffic in a particular location. People will be able to regularly check occupancy status to plan for their visit accordingly and make proper arrangements. This sort of app also has larger implications that transcend the ongoing pandemic and can be used as a helpful indicator for customers who want to visit certain public places during peak hours or holiday seasons.

Team Members:

Akshay Zaveri

Caleb Funk

Dheeraj Banala

Aditya Rao Makarla

Adarsh Rao Makarla

Links:

Curbside Pickup Finder

Ayushman Choudhury

Ellington High School

Businesses, Community

What problems are you trying to solve?

During the COVID-19 pandemic, accessing essentials from stores, supermarkets, and other places has become increasingly difficult. Consumers don't want to risk exposing themselves to the virus, but at the same time need to continue buying resources. One common solution to address this problem is curbside pickup. People who wish to purchase something can place an online order, and wait outside that company's storefront for their items to be delivered to their car. When the customer reaches the store, they call them and recite their purchase code so that the deliverer knows what items to give the customer. However, an implication to this solution is that it is difficult to know which stores participate in curbside delivery, and which don't. Additionally, many customers may not know which storefront they must pick their items up from. To address this concern, we have developed the idea to create an interactive map where people can make their purchases based on the stores highlighted within the map that offer curbside pick up. When their order is ready to be picked up, the app will notify them and guide them to the correct storefront. This idea will not only make shopping and accessing essentials more convenient, but will additionally help struggling businesses and stores to gain more revenue.

What inspired you to address this problem?

The inspiration for this idea came from my (Ayushman's) family's shopping trips. Some stores have offered such curbside pickup options, which are very convenient for both customers, who can get their goods and services with ease, and for store employees, who can keep the store less crowded, protecting the safety of products. However, other stores that we've visited have been less proactive in creating such options, only recommending that shoppers wear a mask and stay away from other people. Many stores have seen flagrant violations of the CDC's guidelines, with shoppers refusing to wear a mask, or coming within 6 feet of other shoppers and employees. This can be frightening for many potential customers, who are only trying to keep themselves safe. An easy way for customers to figure out which stores near them offer curbside pickup and other safe options, before they actually go to those stores, would lead to greater peace of mind in local communities. The solution to this problem that makes the most sense is a searchable map.

Describe your idea and functionality:

The map would default to be centered around the user's location. It would show all the businesses within a 10-mile radius that offer curbside pickup, by a pin. There would be a list of filters to select from, like changing the distance from the user, filtering by type of business, user reviews, and more. Upon clicking on a pin, a panel of information about the business, including the name, type of business, address, hours, user reviews, and a link to shop at that business's website. The map would be optimized for both computer and mobile use.

Team Members:

Easha Patel

Links:

11th

The Covid Info Buffet

Rahul Karanam

South Windsor High School

Community, Education, Health, Information

What problems are you trying to solve?

We want to make access to information about covid easy to get and make it easy for people to understand. Also having a tool to test your symptoms would allow for you to see if you need assistance or not.

What inspired you to address this problem?

We saw the amount of people who still aren't fully informed about the situation so we thought that if there is an easy way for people to get this information it could save many people.

Describe your idea and functionality:

Our idea is to create a website/app which uses information from reliable sources which allows for people to see what they need, and within there is a symptom checker which at the end of it gives you a score depending on what you have chosen. It would tell you whether you are safe or need to do something to stay safe.

Team Members:

Owen Bushman

Links:

11th

Benefits of PPE during COVID-19

Alexis Lent

JM Wright Technical High School

Community, Education, Health, Vulnerable Populations

What problems are you trying to solve?

How is Personal Protective Equipment (PPE) beneficial and how can people make their own out of items found at Walmart or other big box stores?

What inspired you to address this problem?

Being a current junior in Health Technology, I felt as if I had enough knowledge on this topic and that I can use my own perspective on how to manage this situation. I have personally seen how using PPE has benefitted people and also affected people. I have listened to the news every day to hear what Governor Ned Lamont has said and I thought that putting my own knowledge and two cents into this would be a good idea. I have a large passion and motivation for this which is why I chose this topic.

Describe your idea and functionality:

My idea for this project is to explain what PPE is and the importance of using it during the worldwide COVID-19 pandemic. I also explained how people can make their own PPE at home using materials that you can find at stores such as Walmart. I wanted to really express the importance of proper PPE use and the benefits but also downside if people are not using it correctly.

Team Members:

Links:

<https://docs.google.com/presentation/d/1QWTPQEWHmS4-HhsHrRpXH-bBKqZn0XuN450MS-BHriE/edit?usp=sharing>

11th

App for Education/Socializing

Fehem Siddiqui

South Windsor High School

Education, Social

What problems are you trying to solve?

I am focusing on the area of education for elementary school students. My idea is to help those students in elementary school by creating an app that allows the student to complete different types of questions on their tablet (pertaining to their curriculum) while having an option to video or audio chat with other classmates and even their teacher at the same time. This will allow teachers to create questions for their young students to answer while all the students can see and interact with each other over the app. Since these students have not made many interactions socially in their life yet, this app will help those students as well as the teachers who can teach over the app at the same time.

I am addressing the problem of education right now for students in elementary schools and the problem of young students developing social skills.

According to research (New York Times) students who lack steady instruction will lose between half and all of the achievement growth one would expect in a normal academic year. Online studying is a no go because these young students probably do not know how to use websites such as Google Classroom as well as older students that are more used to technology. The current pandemic will cause over 50 million children to suffer from learning losses due to not having a matured enough brain.

This research shows that students need some way to constantly learn somehow while seeing their teacher and fellow classmates as well.

Although this app would help tremendously, nothing is the same over the screen, so students may not fully learn things academically or socially, but it is better than nothing.

What inspired you to address this problem?

I am motivated to complete the task of creating this app because the next generation is the future and these younger students cannot go on without learning and embedding these academic and social skills into their brain. These 50 million children and above cannot be successful in this world in the future without some way of knowing things that will help them. I know I wouldn't want my child living educationless and without an idea of knowing how to interact with his/her peers.

Describe your idea and functionality:

Simple user interface consisting of the main teacher's webcam in the top middle section of the screen, classmates would be smaller, and the question and answer buttons would be near the bottom. This would be easy for an elementary student to use. This app will help the elementary students during quarantine because it allows students to learn while having some sort of facial interaction with their teacher and other classmates and friends. Teachers will have the most control in the app. The questions will be written out or pre-made and assigned to the students. Student will answer with the keyboard on screen or will use the yes or no answering buttons depending on the question type that the teacher chooses. Each question should have some sort of points A TinyDB should be implemented so that the kid can leave the app and return to the amount of points they have earned while answering the questions.

https://docs.google.com/drawings/d/1_8KLcPiYZ6_tYbM3cPo9M9ahgi1DRfJTZRwVfDKOkf4/edit.

Team Members:

Links:

11th

Living with Mr. Covid

Yetsael Medina-Ayala

Windsor High School

Education

What problems are you trying to solve?

How to educate young children about the virus (transmission, hygiene, social distancing, etc) using an app that merges education and play.

What inspired you to address this problem?

I have a 4 year old brother. I'm worried how his first year in kindergarten will be affected and how this situation will affect him. He too young to comprehend what is going on, and why this is happening. Trying to make a 4 year old understand why he can't go outside and play with his friends or family is rather difficult. Young children by nature are attracted to each other to play and socialize. We can't stop this behavior but we can, through play, help them understand why their routines where so severely altered.

Describe your idea and functionality:

An app that merges songs and short animated movies with educational topics related to viruses, in this case Covid-19, followed by short games that evaluate their understanding of the presented information . Badges earned for finished tasks will encourage them to make the correct choices. You can "level up" to a new situation when the previous "level" has been mastered. My goal for young children to create a relationship with the characters and situations and, through play, learn to make safer and wiser choices.

Team Members:

Links:

Together as One

Serena Devathala

South Windsor High School

Community

What problems are you trying to solve?

This website is for people who need someone to talk to and for the people who are having trouble dealing with everything that is going on in their lives and everything that is going on in the world.

What inspired you to address this problem?

I got this idea when thinking about the needs that can be solved with technology. I don't think this website will solve all the problems that people may be having in regards to mental health. But, I do believe this website will be able to help and goes a long way especially during times like these. When watching videos and seeing people's posts on social media, a lot of people talk about how they're struggling with coping with everything. They talk about how they're scared that they or someone they love will contract the virus. They're struggling with understanding how something like this can even come to be. And they're struggling knowing that many people are suffering and going through pain. Families who know a loved one who contracted the virus are the most in pain and don't know what to do and what they can do. There are also many people who no longer have the escape of school and are going through things at home or who lost their jobs and no longer have a source of income. There are a lot of burdens that people are dealing with and I think this website is a great place for people to just let out their worries and concerns out. For the people who need advice, they can communicate with licensed therapists. And everyone else can just have normal conversations and lift each other up during this time.

Describe your idea and functionality:

There would be two tabs. The first tab would have to be strictly private. There would be boxes for people to right all their worries and fears down. And then they would post their response. Then licensed therapists would answer and try their best to help them ease their tensions. On this tab they can have ongoing conversations. On the second tab people can start any conversation they want to have. The only rule about this tab is people have to be positive and can't hate on people's opinions and stories. If there are any negative comments they will be deleted by the person who is monitoring the website. In order to keep everything appropriate no pictures will be allowed to be posted and anyone who shares anything inappropriate can be banned from the site. In order to maintain people's privacy and safety no personal information about where people live can be shared.

Team Members:

Links:

11th

Where is COVID?

Alia Salem

Windsor High School

Community, Health, Vulnerable Populations

What problems are you trying to solve?

Help people stay informed, and have words of encouragement from professionals in these difficult times.

What inspired you to address this problem?

My mom always asks me how many people around us have been affected, and where covid-19 is worse at, this would help her and many people out. Also, when one searches on Google Maps for a location it always pinpoints and says "1", "2", "3" etc.

Describe your idea and functionality:

With over 100,000 deaths and world lockdown, there needs to be a way to lower these numbers. Hello I'm Alia and I'm a computer science student who wants to use my knowledge to help the health of my community. I want to create an app that allows people to stay knowledgeable about the affected areas near them, actions individuals can take to prevent the spread of COVID, and also keep them encouraged by having a chatting feature with professionals if needed. It'll have a map they can zoom in and out to see the nearest hot spots of the density of the affected areas near them. Also to help them feel encouraged there will be a tab where they can check the amount of people in their area who have tested positive with covid and those who recovered. Have a chatting tool to allow people to talk to doctors about any symptoms and help with comforting them.

Team Members:

Links:

11th

Mental Health Checkup

Shea Coughlin

Ridgefield High School

Health

What problems are you trying to solve?

Through this extended period of quarantine clearly mental health has become an issue. With numerous months of isolation at home, spending too much time with family or just not seeing friends or therapists for emotional support can be very detrimental for many. A website that evaluates mental health and much more would help diagnose possible depression before it's too late.

What inspired you to address this problem?

Being a high school student, who along with many of my peers, friends are something that brings us the most joy! Once we were ordered to remain in our homes we lost our constant busy lives which can allow for overthinking, far too much time on our hands ultimately leading to severe mental health issues, depression, and potential suicidal thoughts. Not only has this been detrimental toward the youth, parents are losing their jobs, older siblings are being laid off which can be known as a greater cause of depression than any other. Financial burdens and the lack of social interaction can become severe and is one of the main inspirations to me in developing this website to help solve these issues.

Describe your idea and functionality:

My partner and I are planning on making an app which sends a notification everytime there is some update or recent news about the virus.

Team Members:

Links: