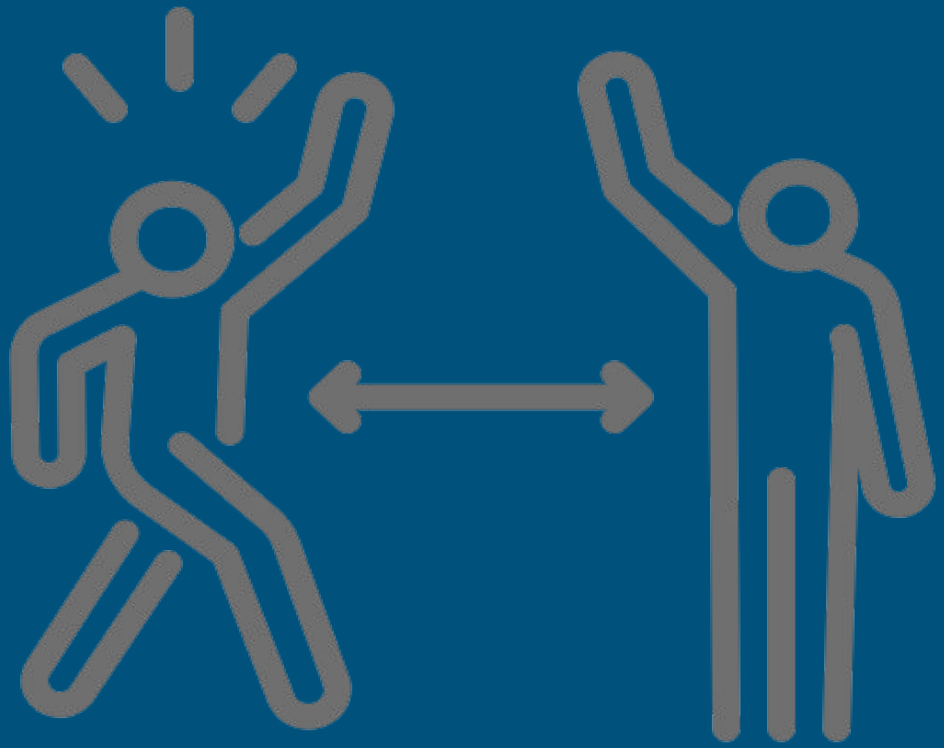
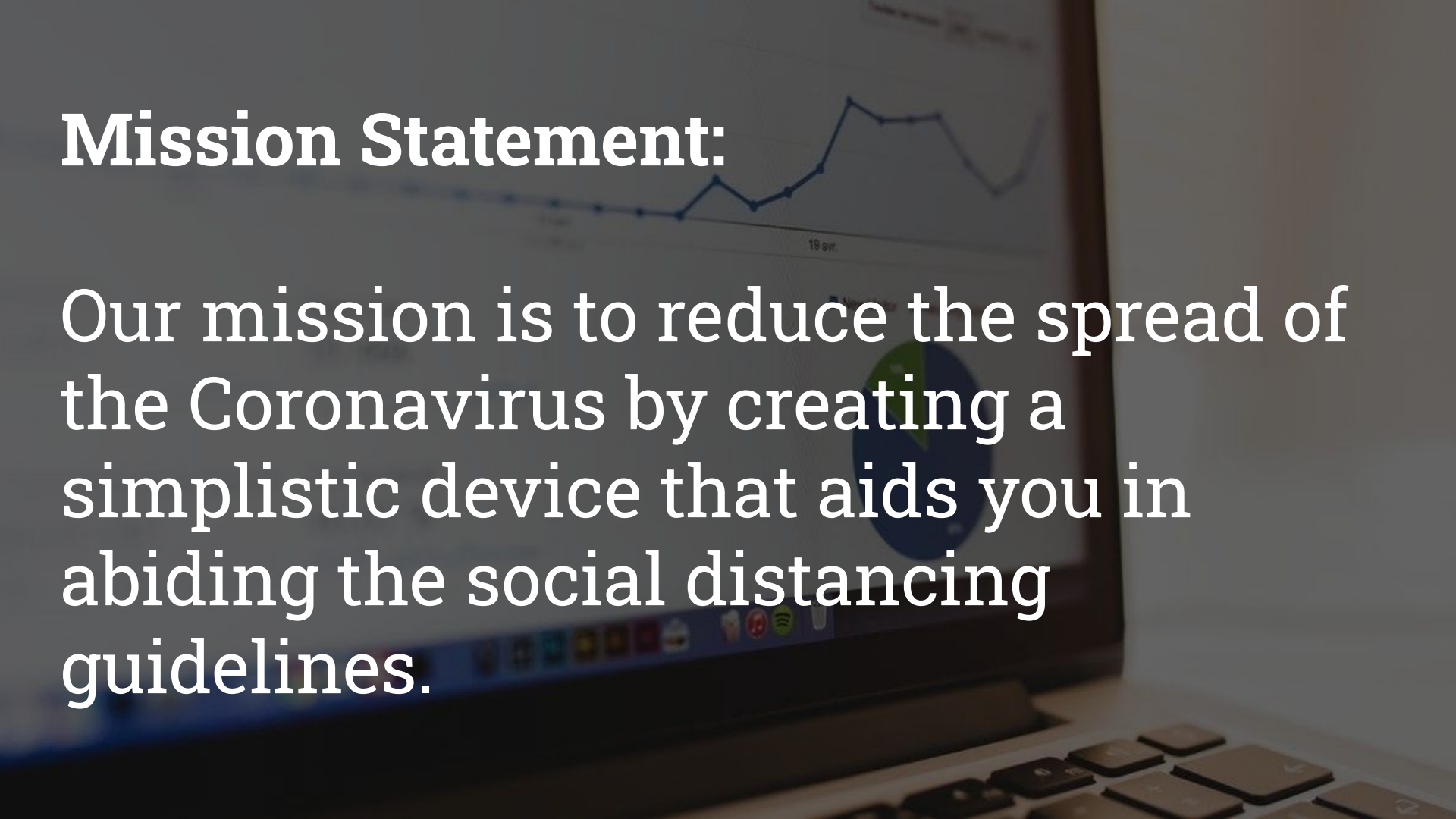
Effortless Distancing





Mission Statement:

Our mission is to reduce the spread of the Coronavirus by creating a simplistic device that aids you in abiding the social distancing guidelines.

The Problem:

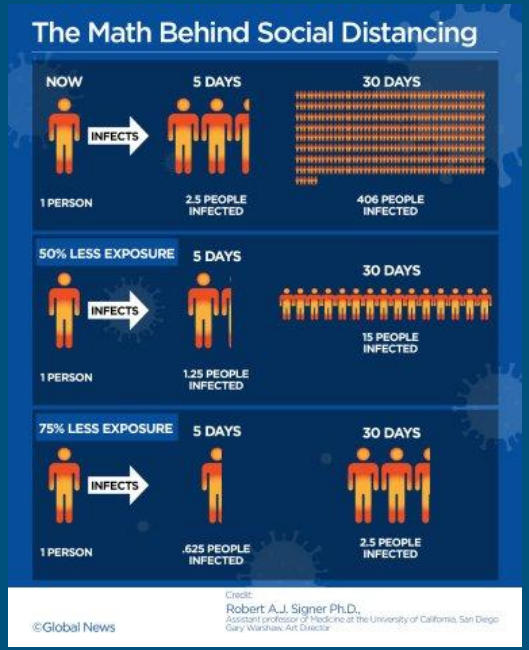
People have not been following their country's social distancing guidelines due to a plethora of reasons. Due to this, the coronavirus has transitioned from an epidemic into a global pandemic and has changed the way we live and learn. The recommended distance to prevent the spread of Covid-19 is two meters, yet not everyone follows through or knows how far that may be. With ***Effortless Distancing***, we have the opportunity to make a significant difference in society during these unprecedented times, and allow everyone to safely go on with their routine, without putting themselves and others at risk. With our innovation, we can ensure that we will see drops in the number of cases, and declines for the spread of the virus.

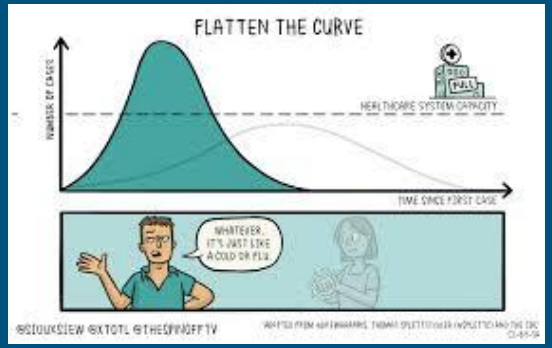
Our innovation saves thousands of lives.

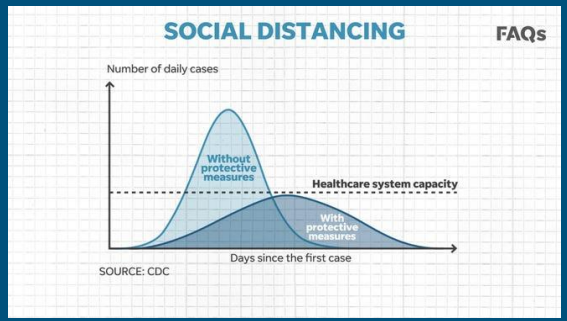
Our Solution

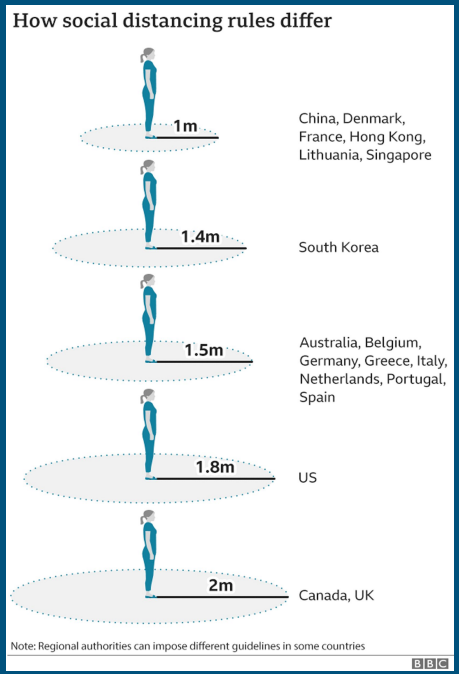
Our product will work to ensure that everyone who is out in public is abiding the social distancing guidelines and regulations of a minimum of 2 meters. If they are not, our sensor will detect it and deliver a a flashing light. This will indicate to the both the consumer and those around them, that they need to move farther apart to protect themselves and those in their proximity.

Social Distancing Works!









The Team!

Daniel Damian

Hi.

Atif Islam

Hello!

Ava McConechy

Hi! :)

Eya Ibrahim

Hey!

The Innovative Technology:

- An Open-Source Arduino
- PIR Sensor to detect proximity of individuals and signal a lack of social distancing
- A buzzer and a flashing LED light to friendly remind people to move farther apart.
- Breadboard for our prototype model

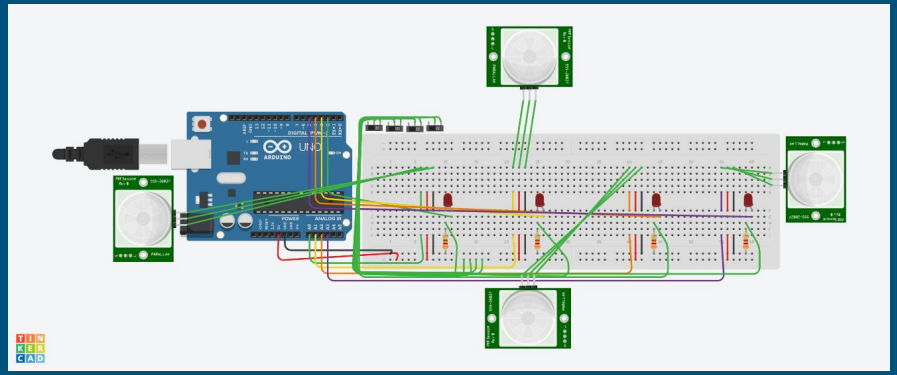
How The Technology Works:

The 4 PIR sensors to provide 360 degree detection will detect when someone is within 2 meters of you and will immediately send a signal to the speaker and LED light to turn on to warn you that you are at risk of contracting or spreading the virus. It is also compressed in the back of a customizable phone case so that the technology is practical and is with you at all times! We chose a phone case because people always carry around their phones, but also because the technology accessories industry is very profitable. With our phone cases, you get to protect yourself at all times, while carrying your own, unique, personal and customizable phone case!

Effortless Distancing: The Future of Social Distancing

- *Effortless:* the consumer is able to protect themselves without putting any thought into remaining safe. They are able to go on with their day, knowing that they will not be putting themselves or anyone else at risk.
- *Practical & Realistic:* Our one of a kind technology is compressed onto the back of our ED phone case allowing it to be carried at all times with the consumer.
- *Personal:* Our technology furthermore allows for the standard phone case to be easily customizable to cater to the consumer's wants and needs. Due to this, our technology also falls into the technology accessories category, and users will want to wear this for more than just safety but also as a fashion statement.

Features

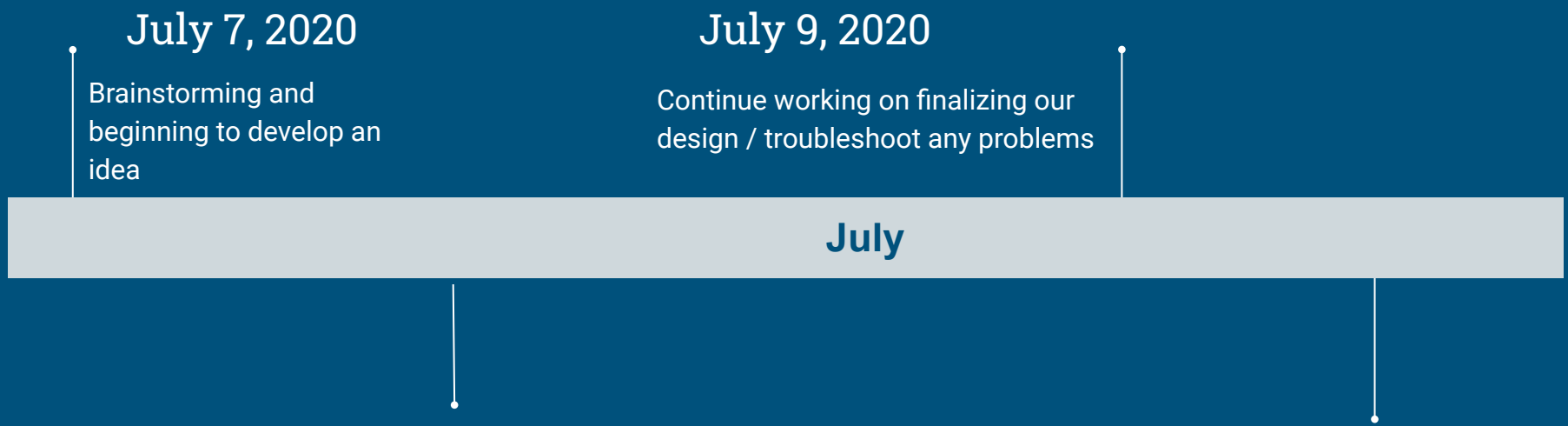


4 PIR sensors that will detect nearby people

LED lights that will signal once too close to someone

The main arduino board that will have all the components connected.

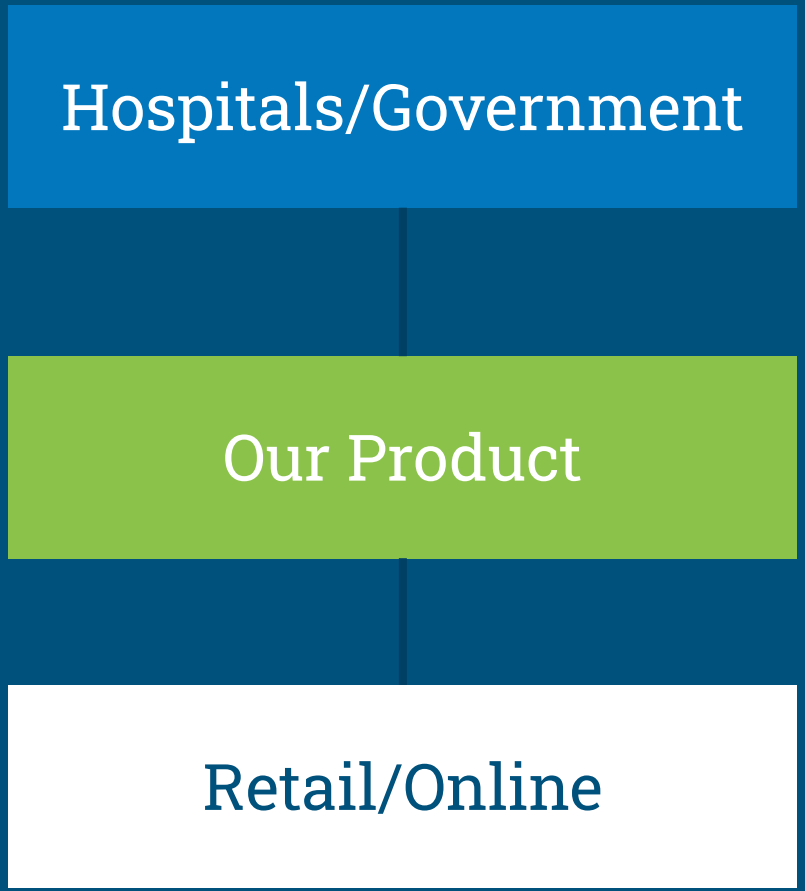
Timeline

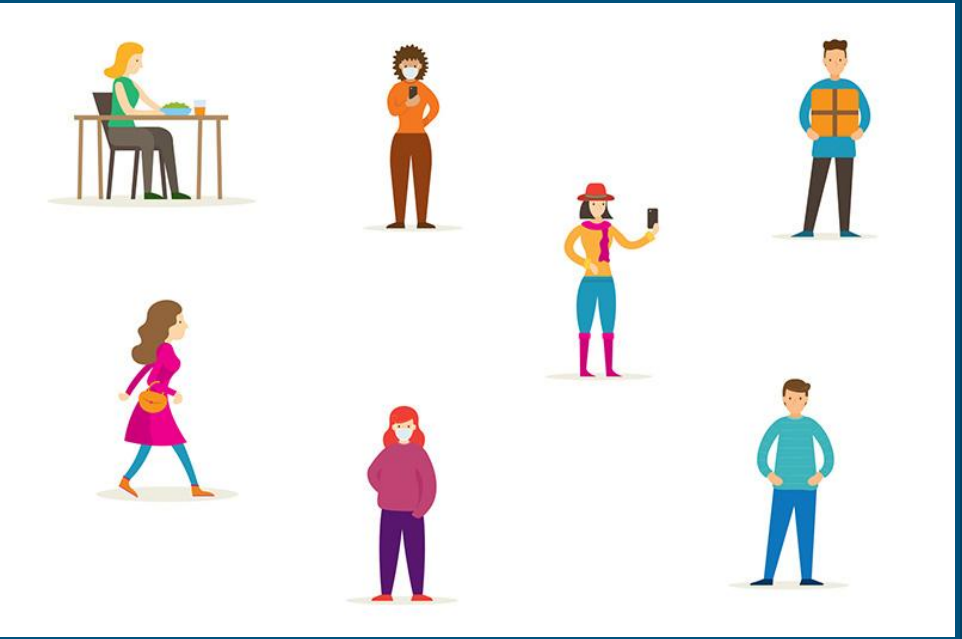

July 7, 2020
Brainstorming and beginning to develop an idea
July 9, 2020
Continue working on finalizing our design / troubleshoot any problems
July
July 8, 2020
Continuing to develop and create a clear vision for the product
July 10, 2020
Finalizing and pitching our product

Business Model

First places to target:

- Hospitals
- The government
- In stores (retail)
- Online (ie. Amazon)



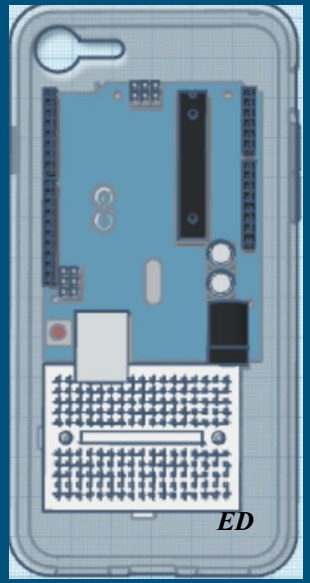


Summary

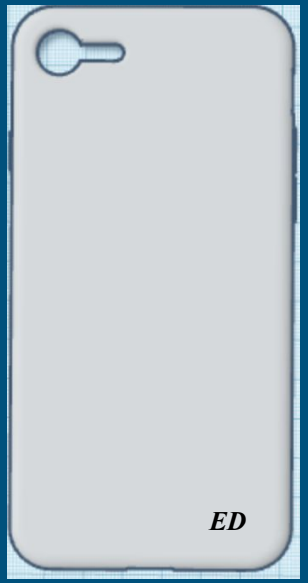
- Our product is available to everyone that owns a cell phone (a large part of the population).
- If these people are interested in buying our product, they will want it to look like a regular phone case.
- Our business will gain traction as everyone wants to be protected.

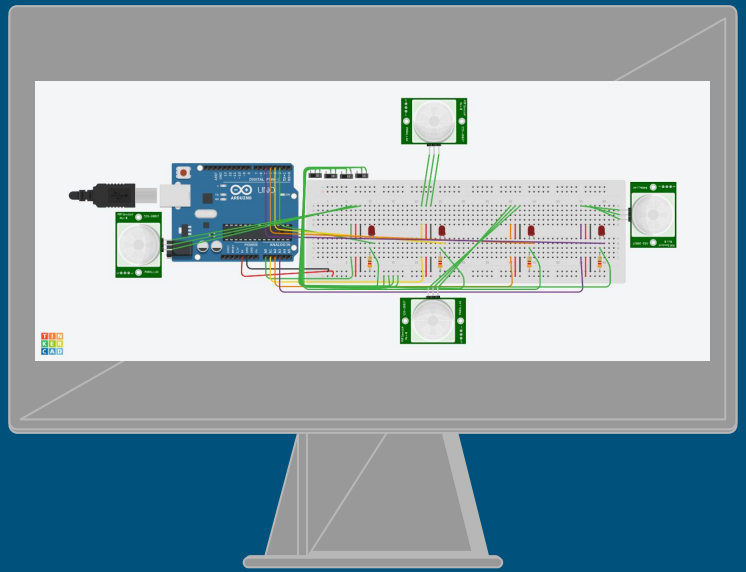
How Our Design Will Look

The inside components of the phone case.



How our design will look from the outside.





The circuitry of our design on TinkerCAD.

Questions?

STAY SAFE WITH EFFORTLESS DISTANCING!