

Company Sponsor



Company Liaisons: Pip Tompkin and Adam Gromfin

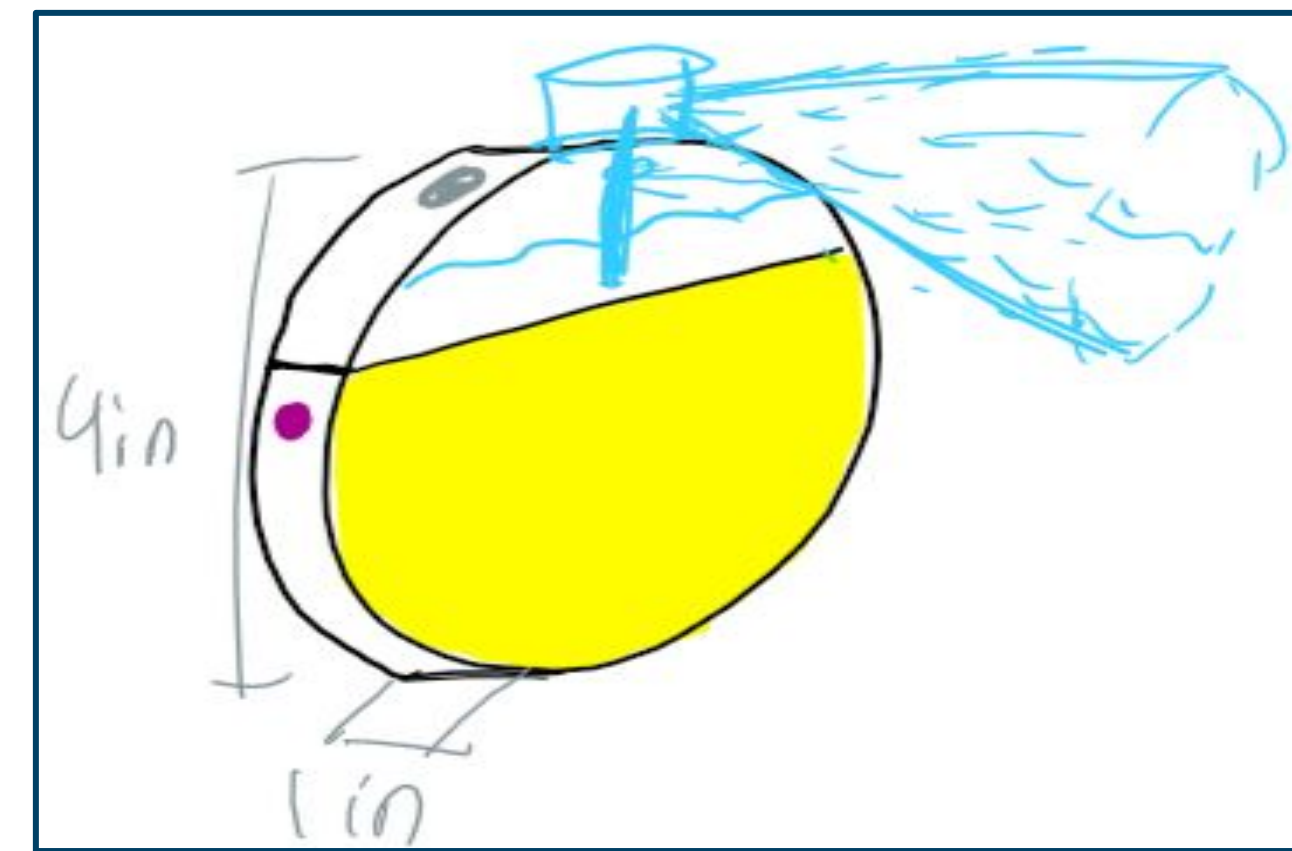
New Future Team 2



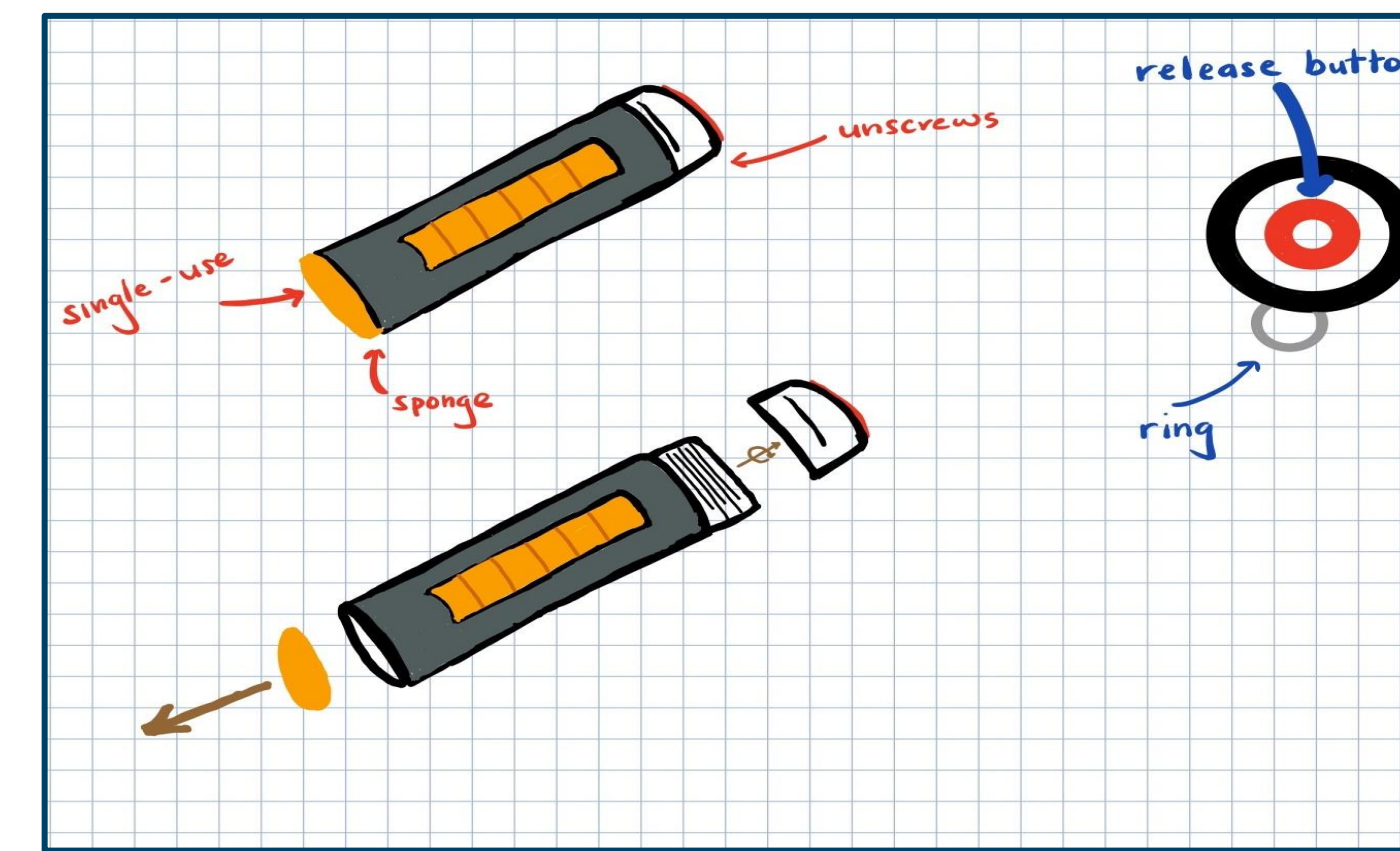
Team Members (Left to Right):
April Soares, Alexandra Estrada, David Vazquez Capiz, Haojun Chen, Long Lau, and Mitasha Malhan

Faculty Advisors:
Dr. Farzad Ahmadkhanlou and Dr. Vince McDonell
Department of Mechanical and Aerospace Engineering

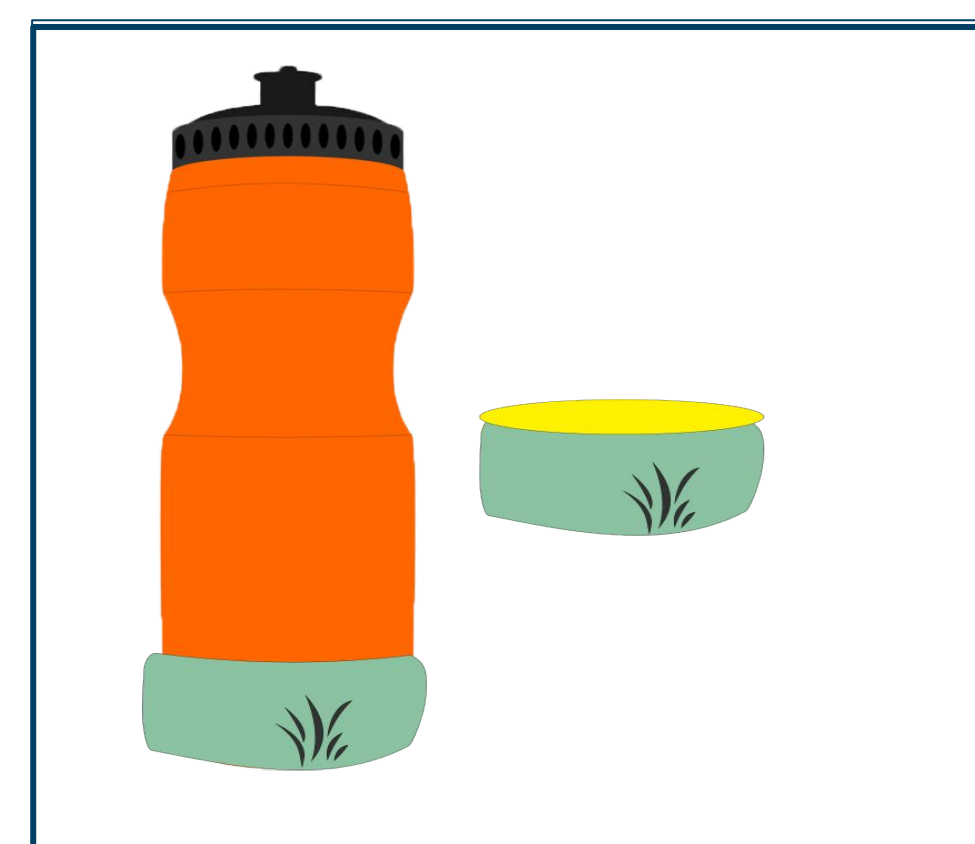
Concept Design Drawings



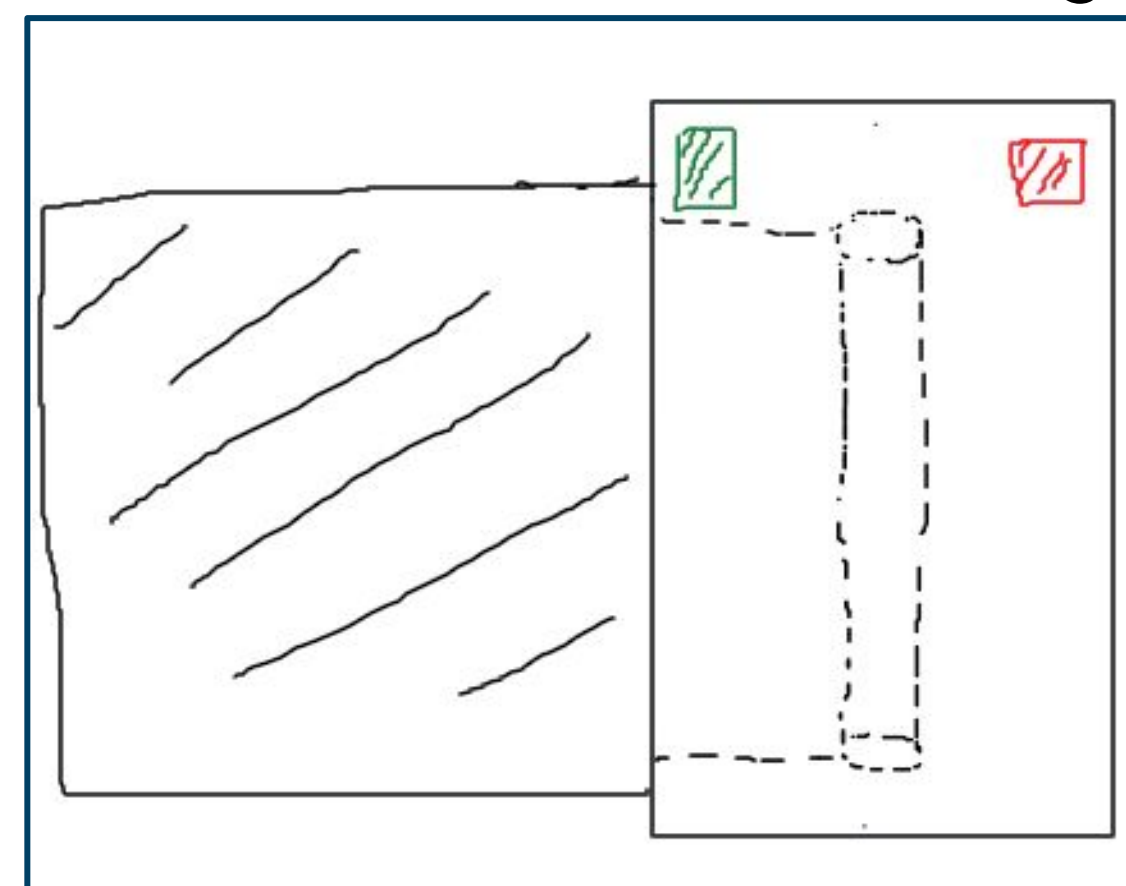
Sponge



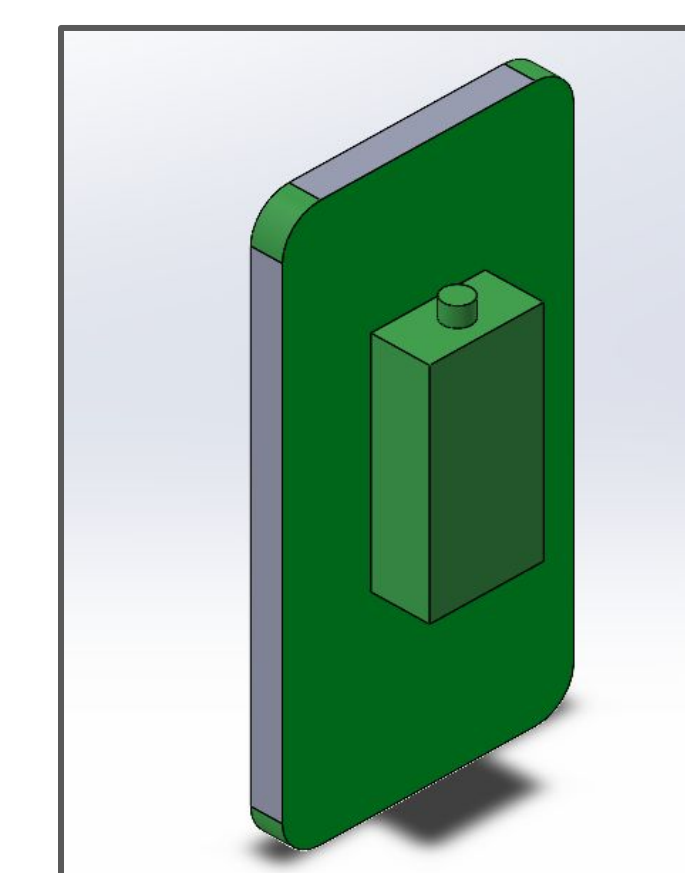
Disinfesting Sponge Pen



Reusable water bottle with detachable cleaning sponge



Sanitation Mat Dispenser



Sanitizing spray attached to back of phone

Background

The COVID-19 crisis affects our normal life including the work life, college life, and family life. The entire society had been adjusted to a new normal. The idea is that we need a viable consumer product which can sanitize the personal object or public spaces in order to meet the need from public during the new normal.

Project Goal

To create a new consumer product solution to help people in a post-COVID-19 world

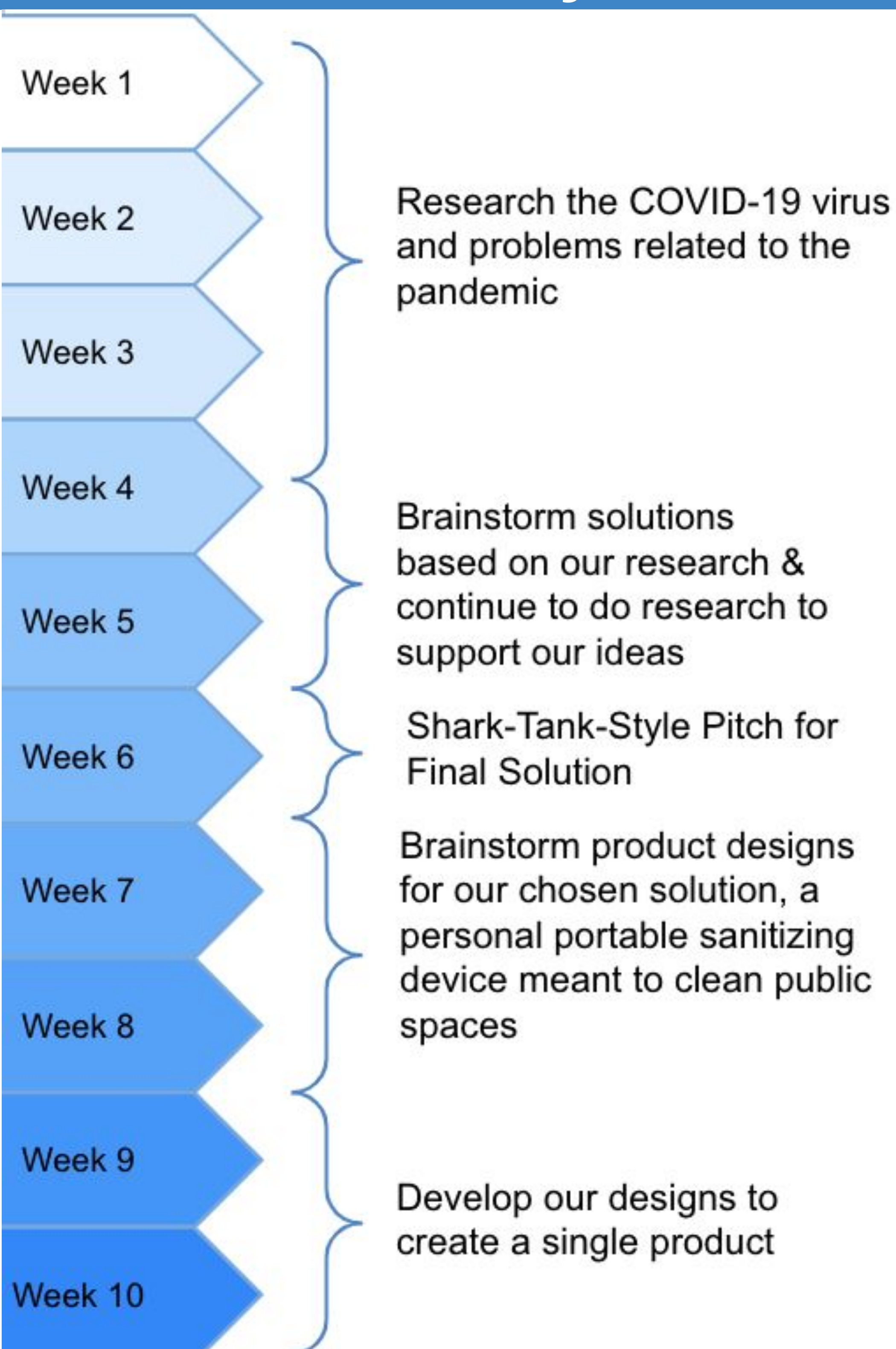
Current Status

Developed a product for post COVID-19 use that minimizes spread of the virus by disinfecting surfaces.

Future Work

Add autonomy to the finalized product. Downselect components and materials. Design and build prototypes. Determine a feasible budget based on the user market and manufacturing costs.

Fall 2020 Project Timeline



Down-Selection Matrix

Cleaning Medium	Sponge	UV-C Light	Wet Wipes	Cloth	Aerosol
Average Score	4.2	2.7	4	4	3.3
Transportation Method	Lid	Disposable	Separate Bag	Key Chain	Phone Case
Average Score	3.8	4.2	3.6	3.9	3.8
Chemical Dispension Method	Spray	Soak			
Average Score	4	3.9			
Product Sanitization Method	Disposable	Machine Wash	Sink Rinse	UV-C Case	
Average Score	4.1	4.3	4.3	3.3	

Budget

