**qReverse Engineering - Ideas Document**

**Proposal (500 words) - due Nov 17th**

* Health
  + Amber Alert like alarm for Covid-19
  + Presto Card like device that checks if you are vaccinated
  + Idea for a door (like a car door, a door to a building, etc) that doesn’t require contact to open

I guess like some sort of sensor for the door

* Community
  + Community center or park that is designed around Covid-19
* Travel
  + Uber or taxis should implement disposable seats.(like a thin sheet of paper covering the seat)
  + Planes, Buses, or Cars that can use UV lights to disinfect surfaces of Covid-19
* Education
  + Some kind of online education tool that can be used to keep students engaged

Current Idea: Safe Taxi OR A Fully Vaccinated Taxi/ Covid Free Taxi (working title) (Redesign of cars for Uber, Taxi, etc)

* Replaceable seats
* Check for vaccine
  + Automated passenger temperature scanner
* Contactless door
* Contactless pay
* Microphone that allows passengers to still communicate with driver
* UV light that disinfects surfaces of COVID-19
* Two AC systems to separate the back of the car and the front
  + What if it's an uber pool?
    - I guess more glass dividers
    - Yeah I think more dividers
* Not sure if uber already does this, but maybe having covid-safe items (like masks, hand sanitizer, gloves) readily available for riders?

**Iterations:**

First Iteration:

* Contactless Pay, Contactless Door
* Replaceable Seats (Plastic Material)
* First version of the passenger driver shield (Clear vinyl)
* UVC radiation lamps for killing bacterias

Second Iteration:

* Contactless Pay, Contactless Door
* Check for vaccination
* Replaceable Seats (Disposable Paper Material)
* Passenger-Driver Shield Version 2 (maybe polycarbonate?- same material used in face shields)
* Microphone that allows better communication between passengers and driver

Third Iteration:

* Contactless Pay (Everything from the above, unless stated otherwise) Contactless Door
* Amalgamation device (Automatic door, contactless pay, temp sensor, vaccine check)
* Dual ventilation system
* Covid safe items (masks, etc...)