

MAGNIFYING CAPABILITIES



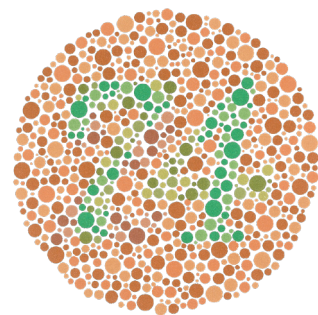
OcuSense

SOCIAL RESPONSIBILITY AND THE CAPACITY TO LIVE FULLY

OcuSense is a Google Glass-like device that possesses lenses that correct color blindness, has hearing aids to alert users to external stimuli, and magnifying lenses that allow users to view objects at a distance.

Starting out, I conducted user interviews. Among the interviews I conducted, I had a fruitful conversation with an elderly woman, who because she had forgotten her hearing aids, could communicate only by verbally answering questions I wrote out onto the newspaper she was reading. She related the struggles of being able to see clearly and interacting with the world as she had at a younger age. Additionally, I interviewed an assistive technology specialist from the Ed Roberts campus to gain insight into how individuals with disabilities interact with the world.

This project was presented at the UC Berkeley Jacobs Summer Showcase.



COLOR BLINDNESS CORRECTION

INSIGHT 1

Elderly individuals do not want age to hinder their experiencing of life.

INSIGHT 2

Elderly individuals desire to assert independence.

INSIGHT 3

Individual A forgot hearing aids but still managed to buy sandwich at cafe.

OPPORTUNITY 1

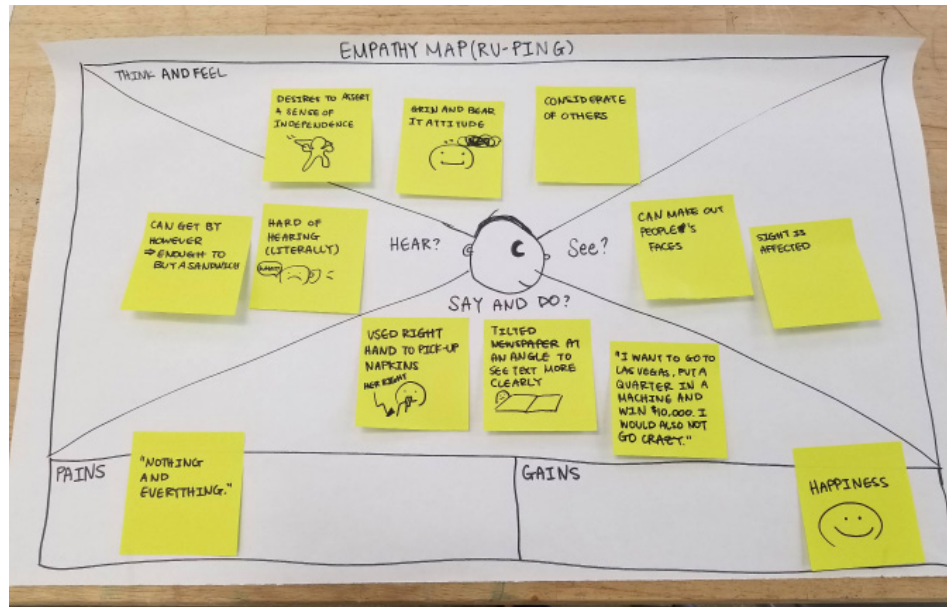
Create solution that allows user group to live rather than just exist in this world.

OPPORTUNITY 2

Streamline user group's flow in all elements of transportation.

OPPORTUNITY 3

Alleviate confusion in interacting with the world.

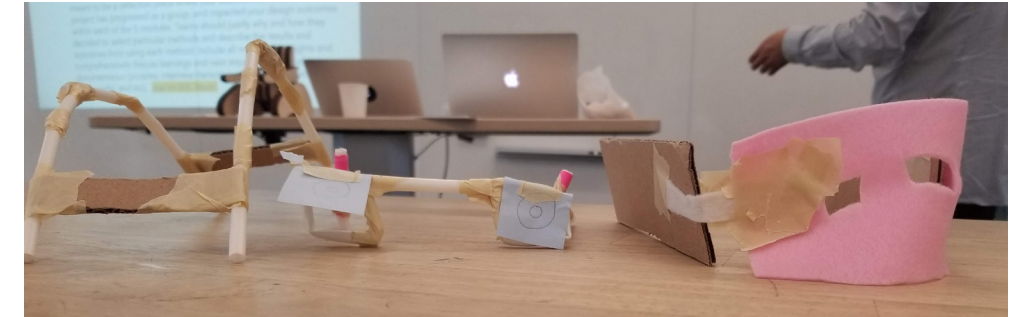


Conducted an interview with an elderly woman who forgot her hearing aids and wrote questions onto newspaper. Empathy map created to extract insights related to user group.

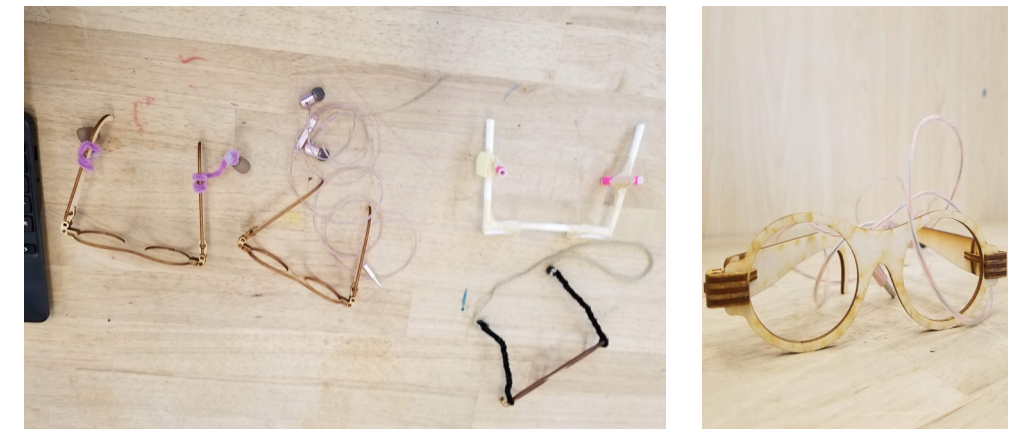


Affinity diagramming solution that allowed myself and group members to determine design opportunities for user group.

RAPID PROTOTYPING SESSION



FINAL ITERATIONS OF DESIGN



Set of images documenting iterations through various prototypes of design solution

PROJECT INFORMATION

Client: Class Project
Date: July - August 2018
Role: User Researcher and Product Designer
Collaborators: Jordan Bailey, Tonya Nguyen