

Industrial Design Portfolio

Lucy Fata

Hello!

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As an industrial design student at CCS, I have strengthened my passion for design and creative thinking. I love to immerse myself in projects to create innovative, unconventional and inclusive solutions. I thrive on learning new skills and tackling challenges, which is a big part of why I'm drawn to design—it's a continuous cycle of research and implementation.





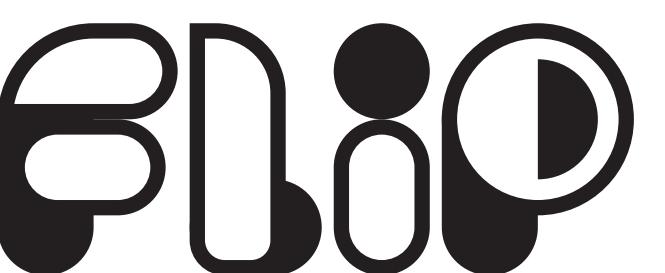
Project 1



Library Delivery



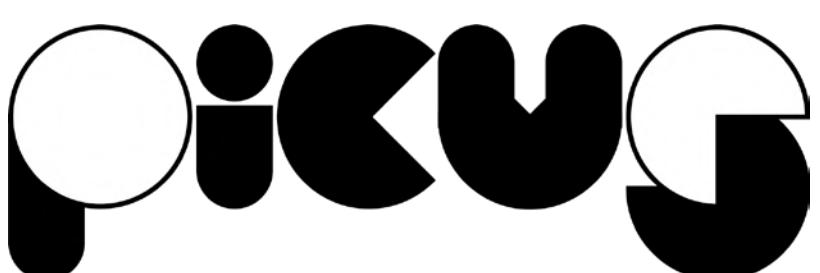
Project 2



Portable
Headphones



Project 3



Rotary Tool



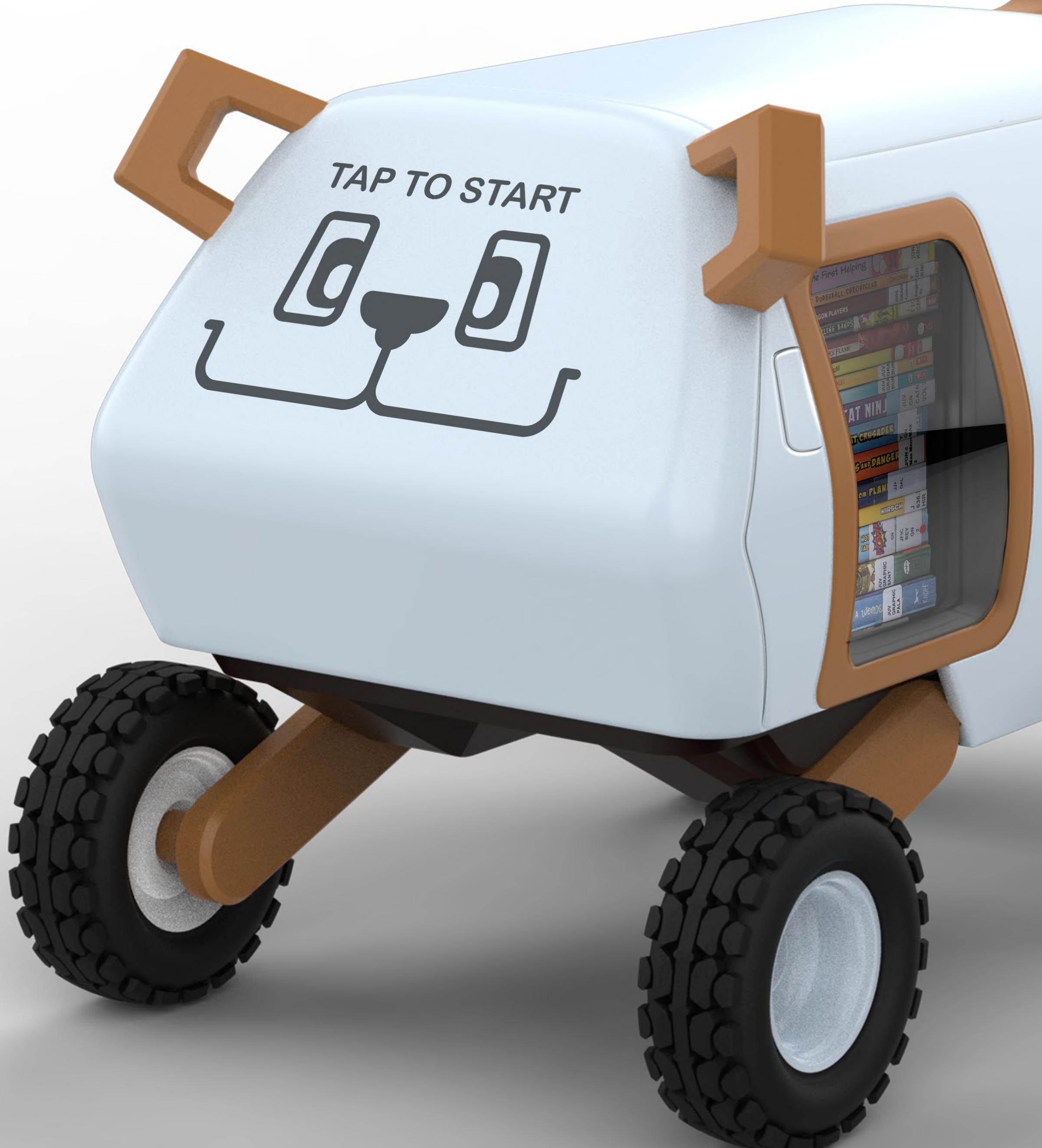
Project 4

**Render
Relay**

Game Console



A traveling little library
for your community



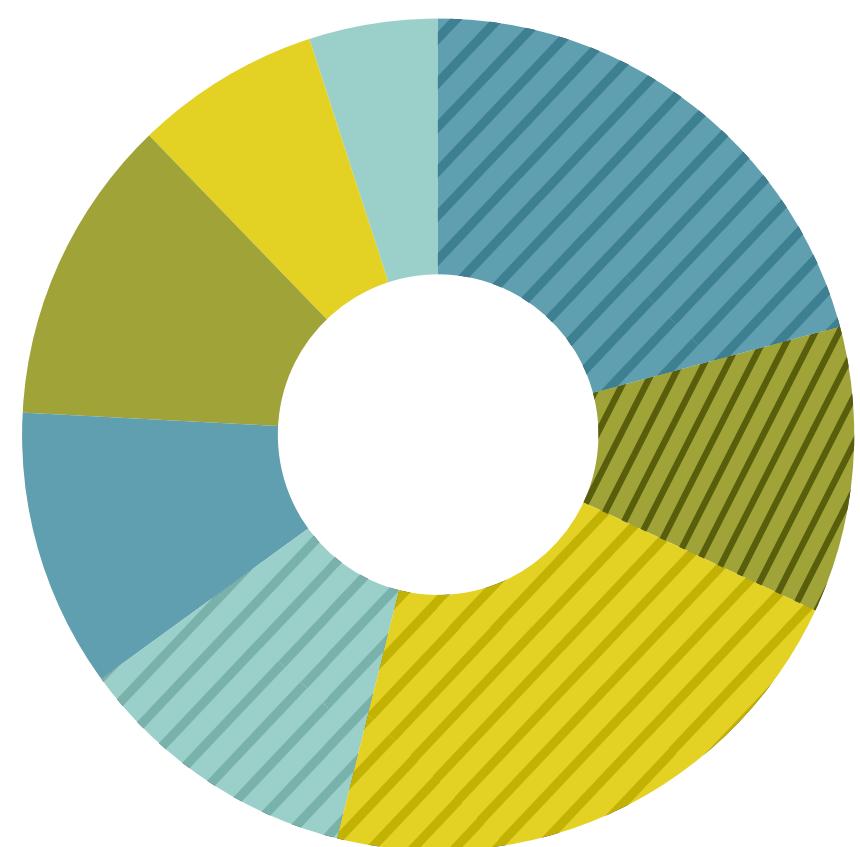
Challenge:

To create a last mile delivery system based around the area of Corktown Michigan



Why Books?

Corktown Population



21% under 15 years old.

Children with access to books are statistically more proficient readers, writers and critical thinkers.

33% of people living in corktown are 25-44 years old

Millenials statistically read more than any other age group.

80% read books in any format.

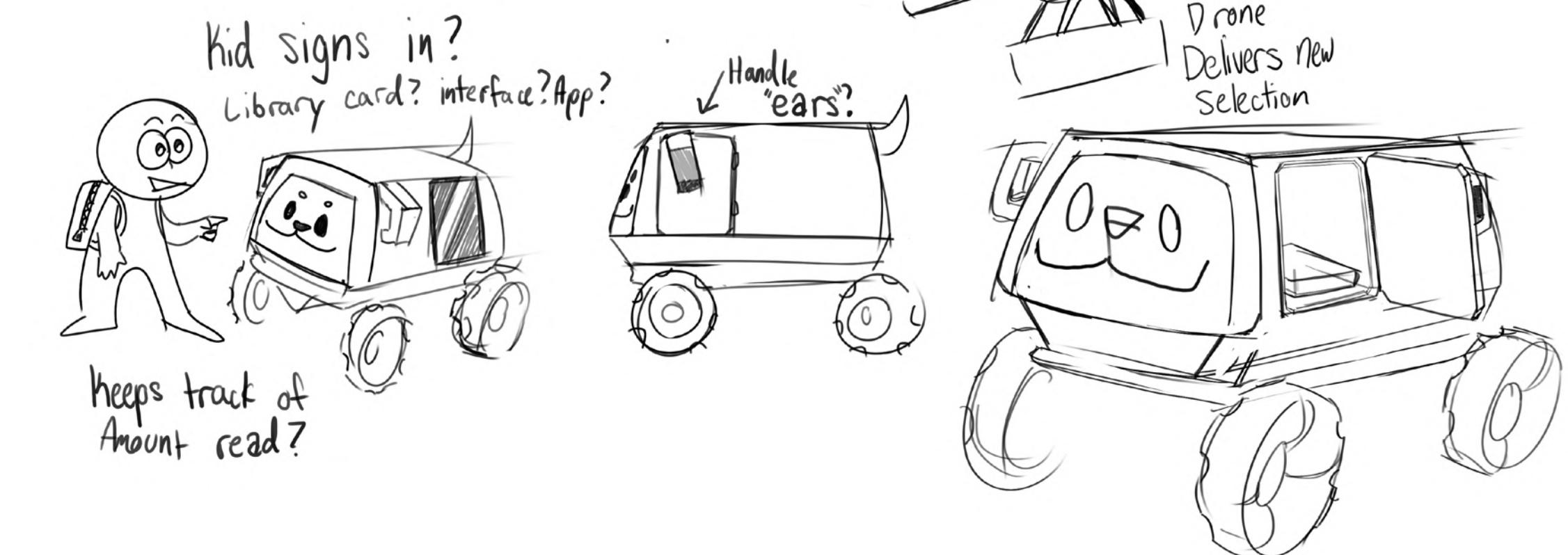
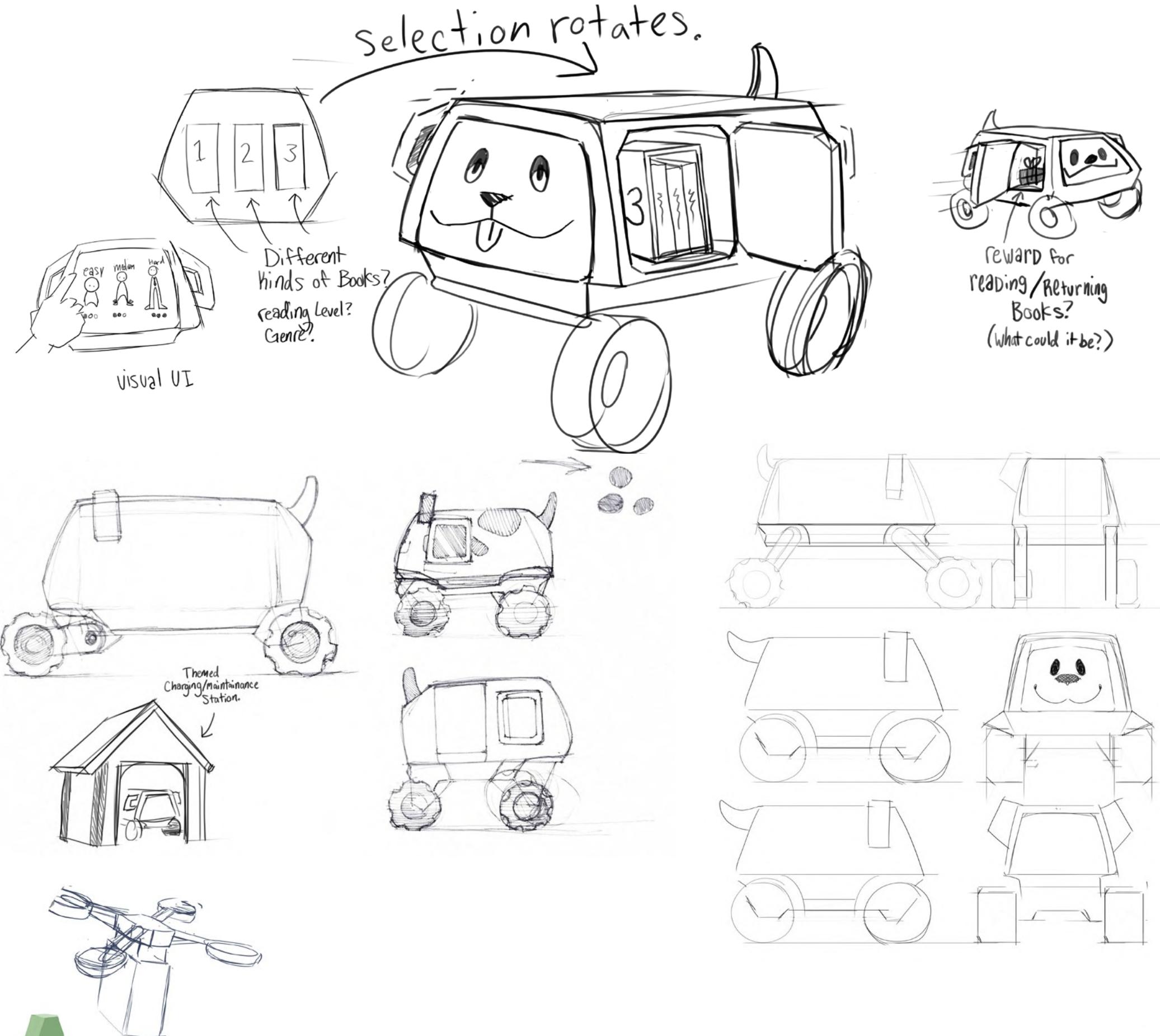
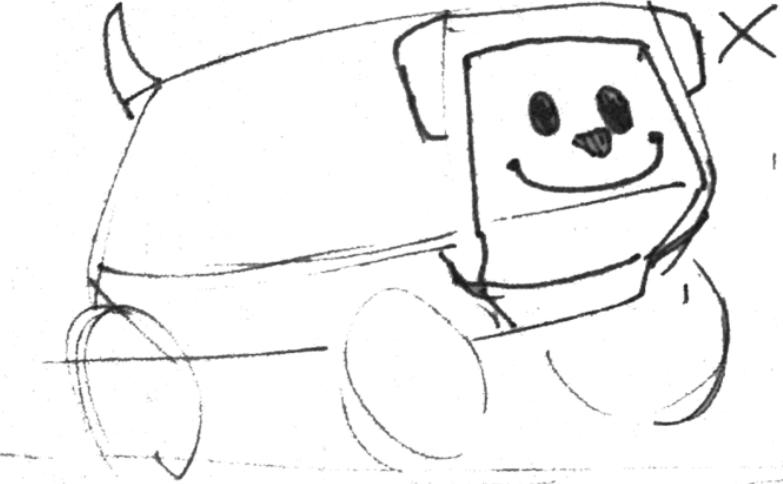
72% have read at least one physical print over the course of a year.

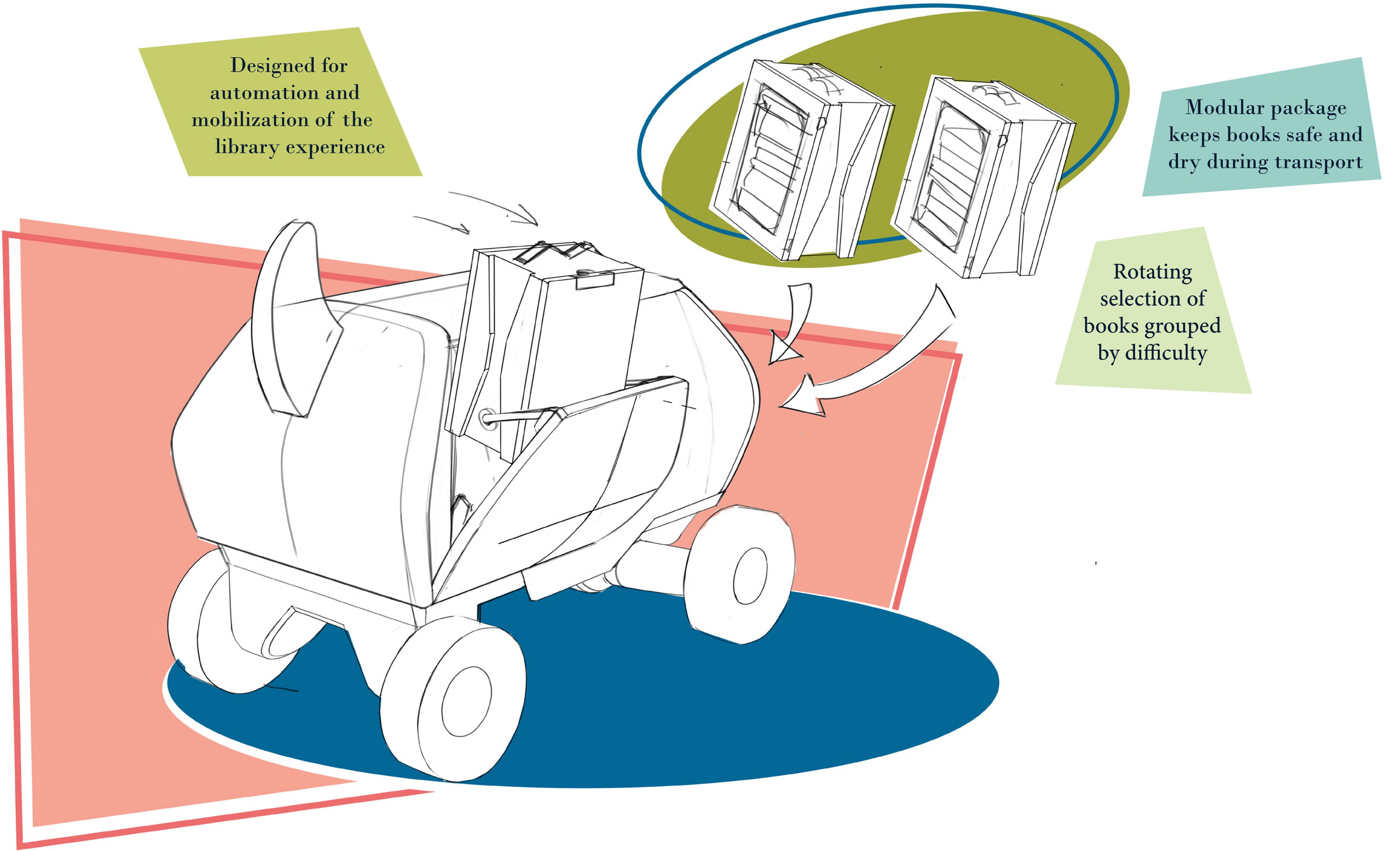
Nearest Libraries to Corktown

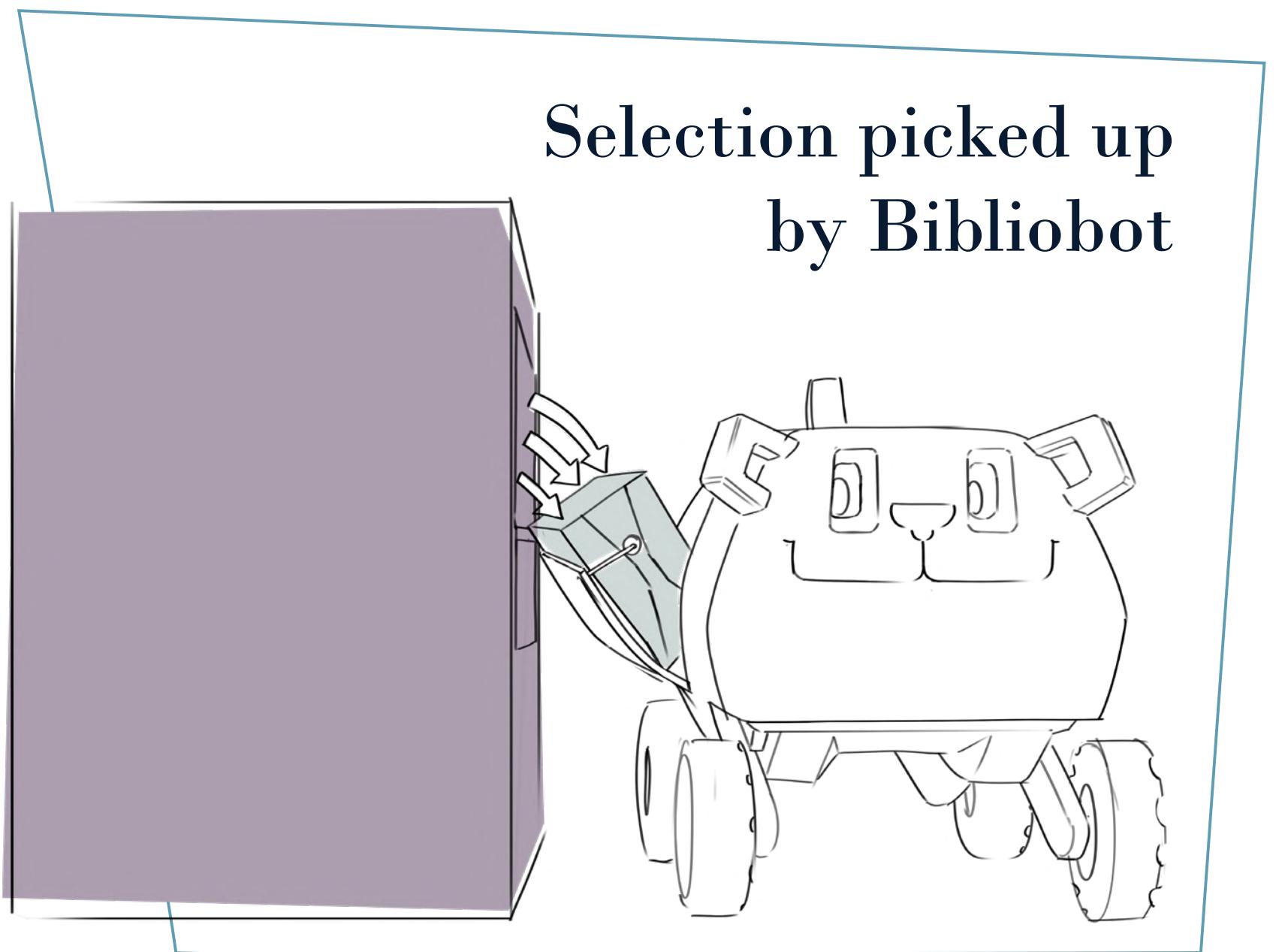


- Bowen Detroit Public Library
- Douglass branch for Specialized Services

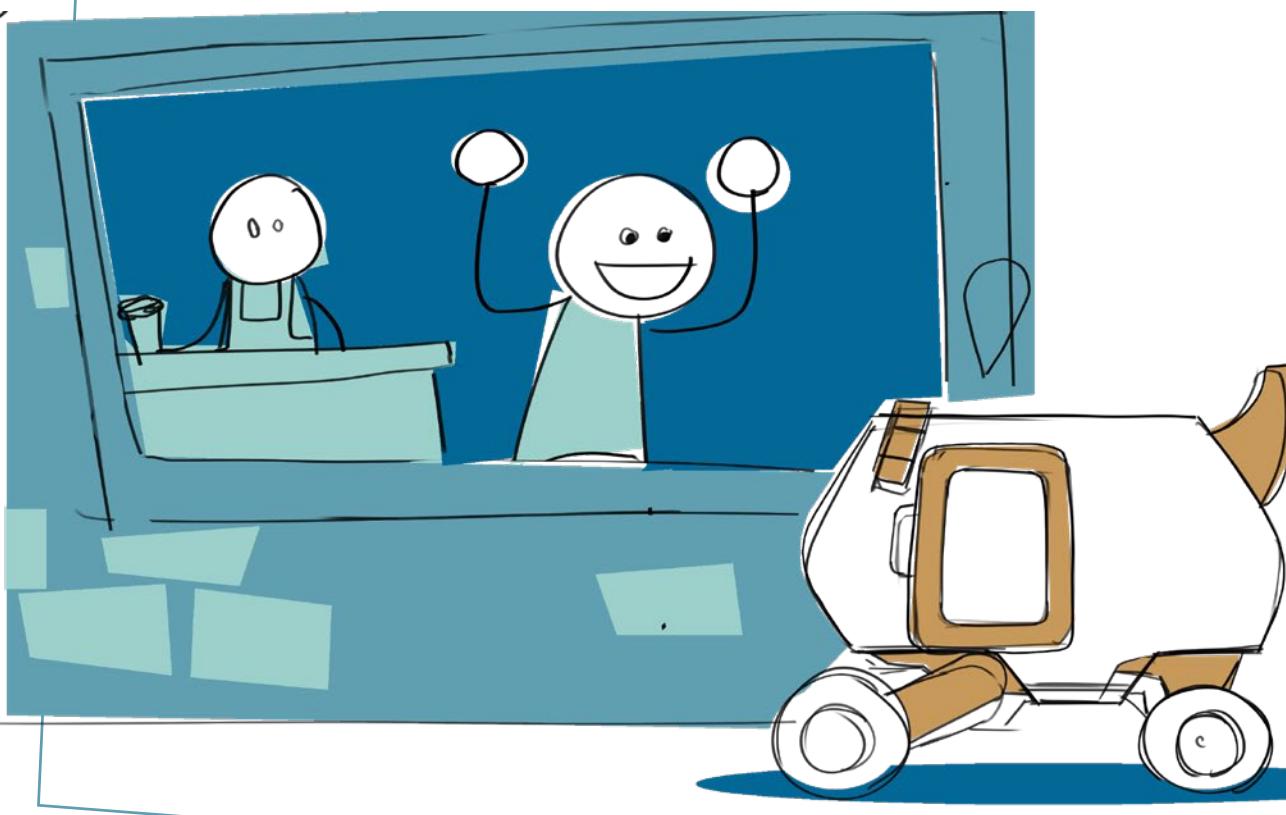
Ideation



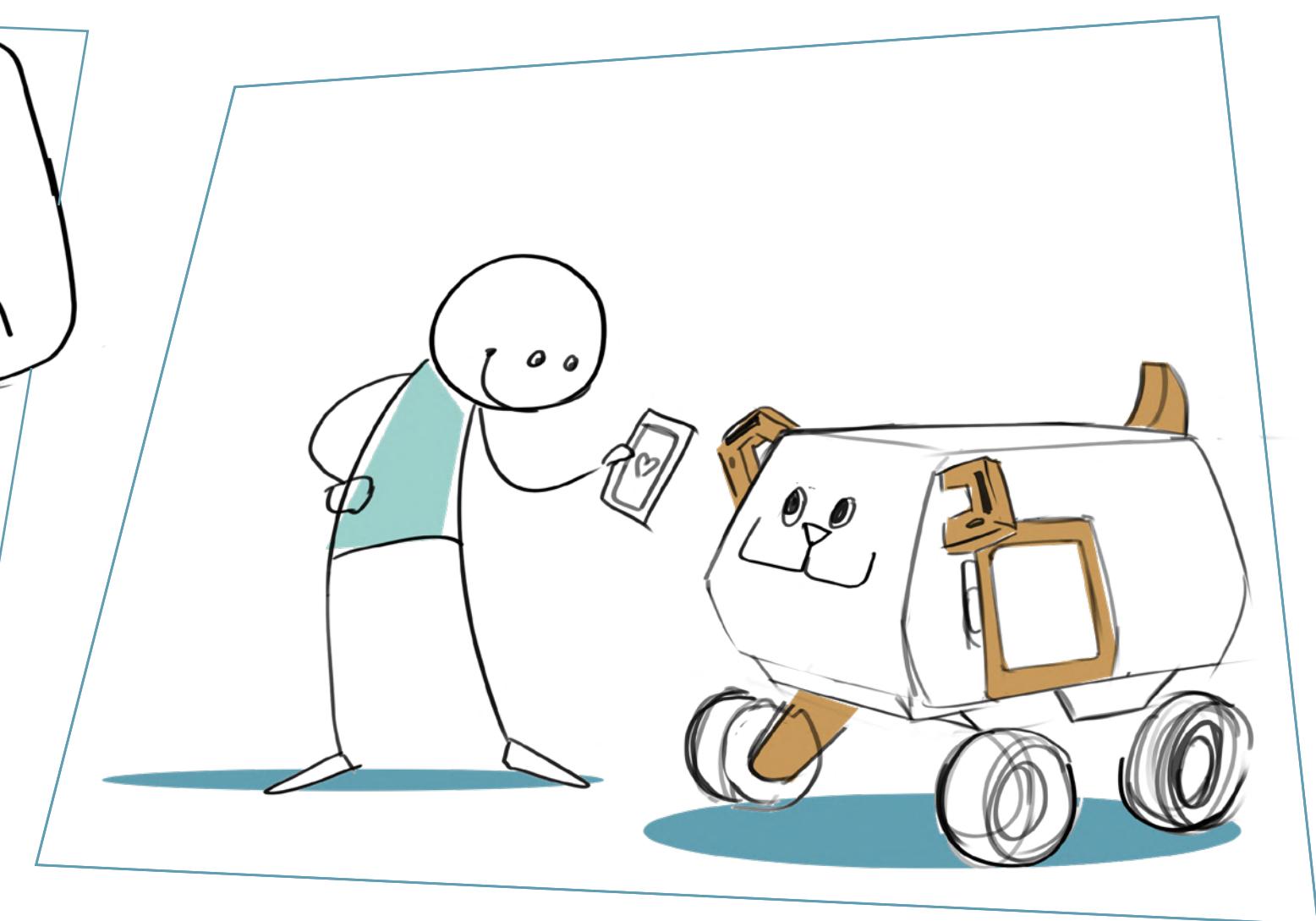
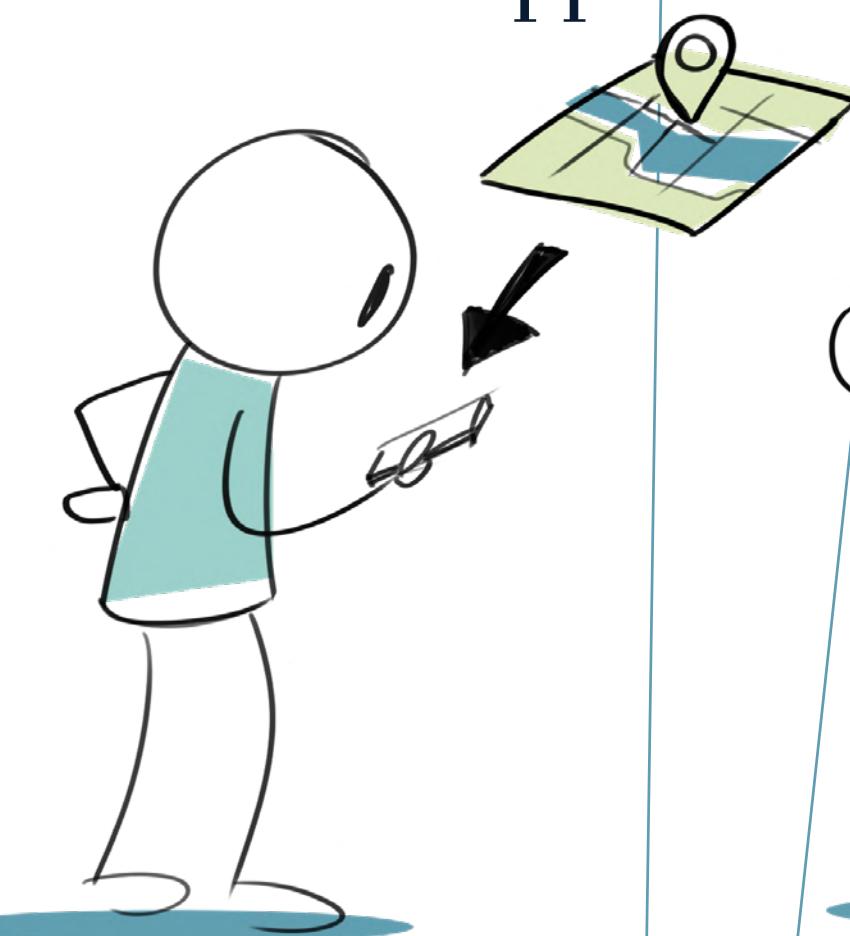


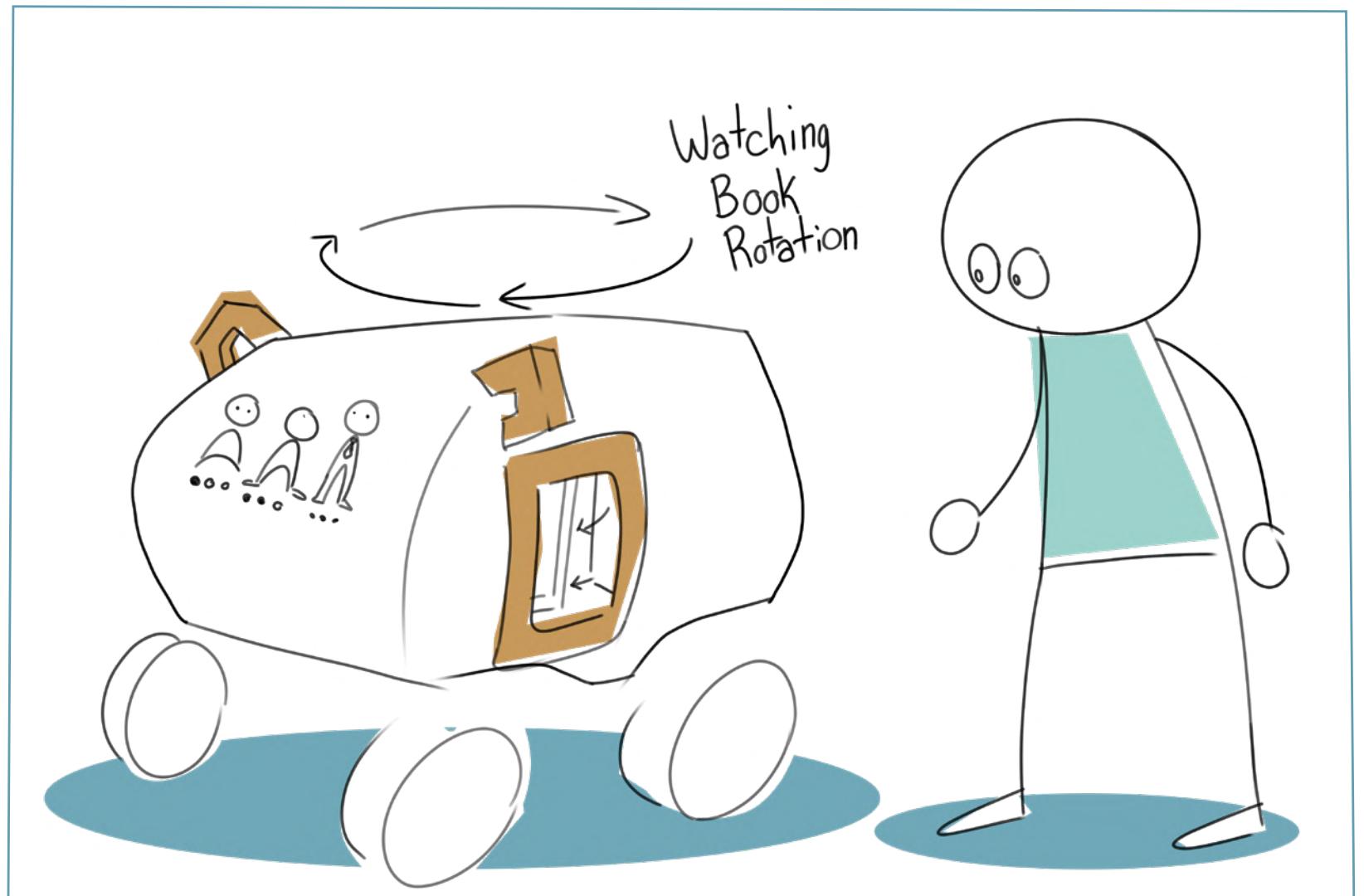
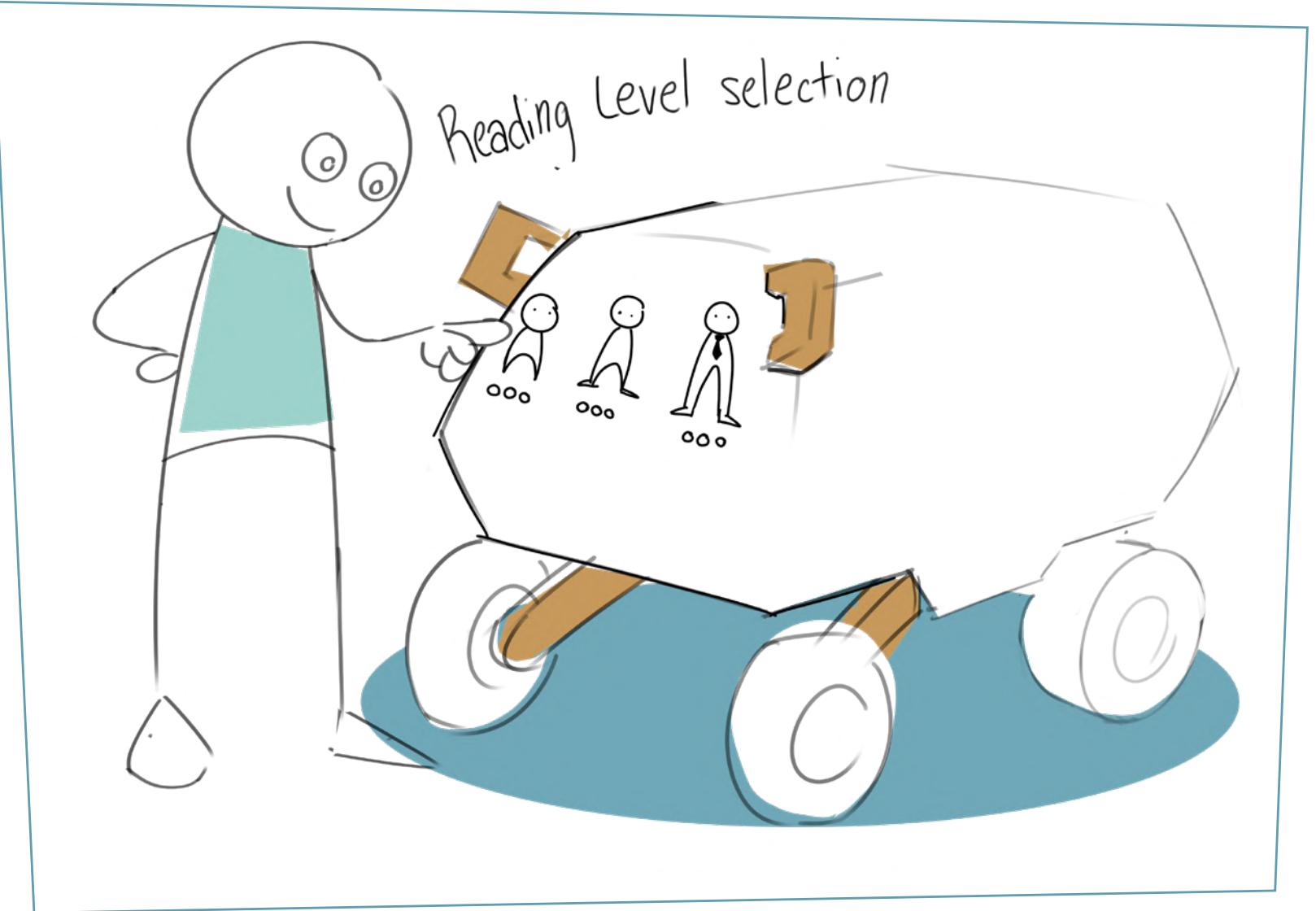
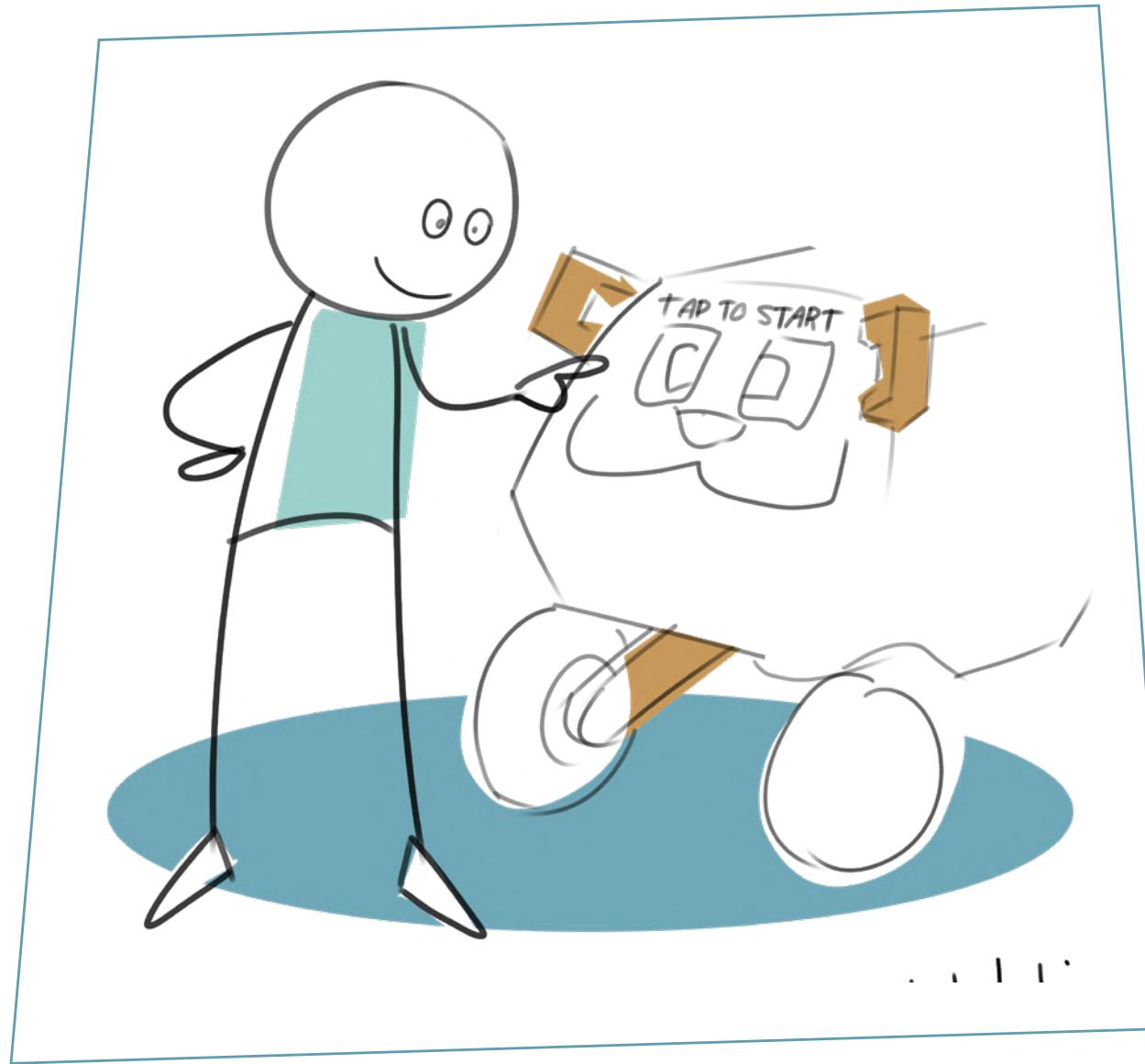


Bring the library to you by requesting locations

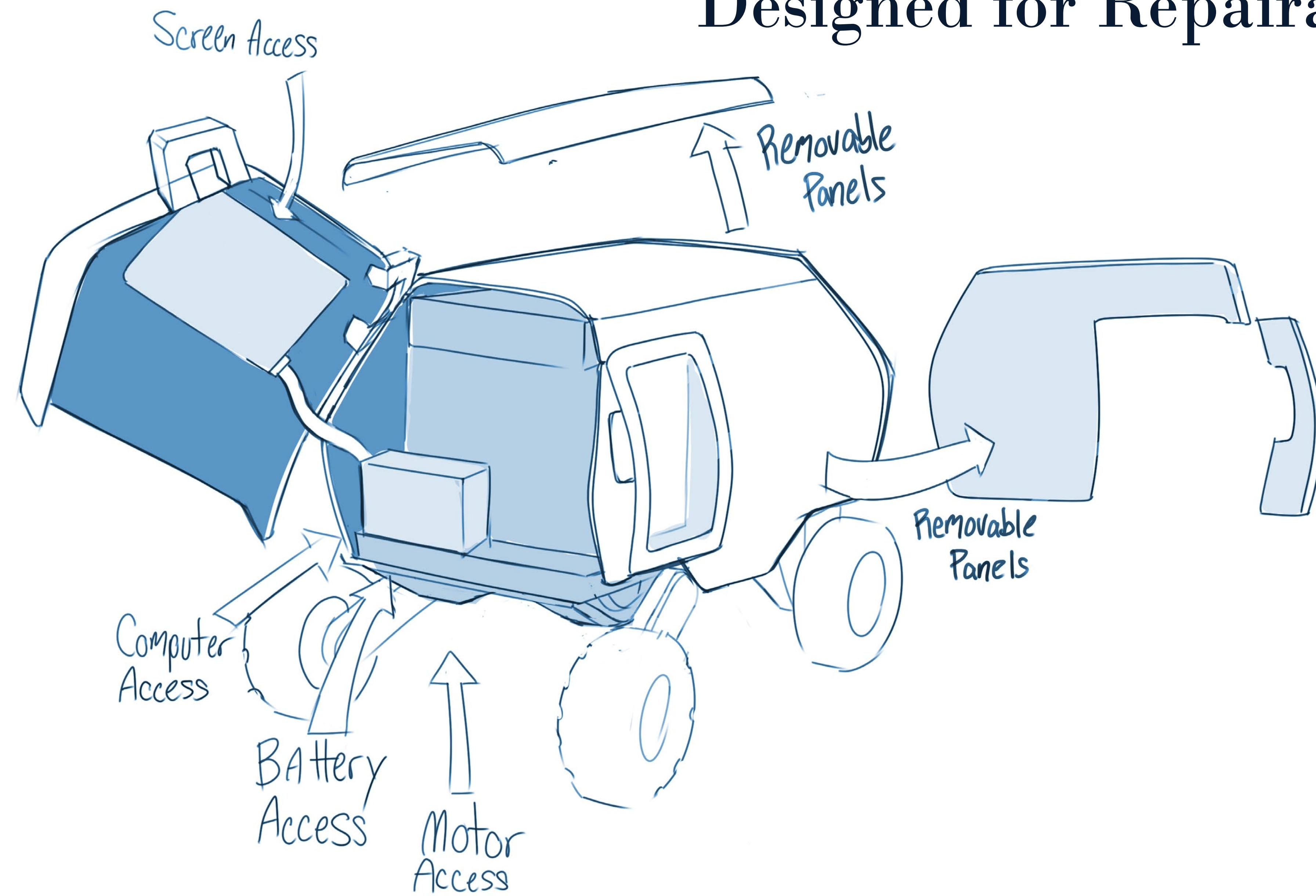


Check Bibliobot's location via app

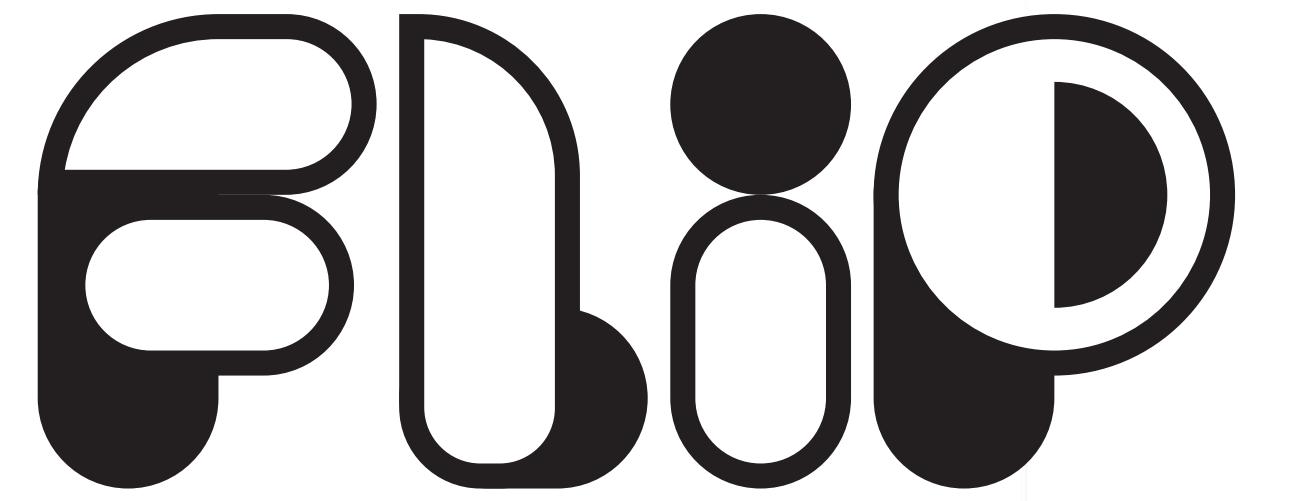




Designed for Repairability





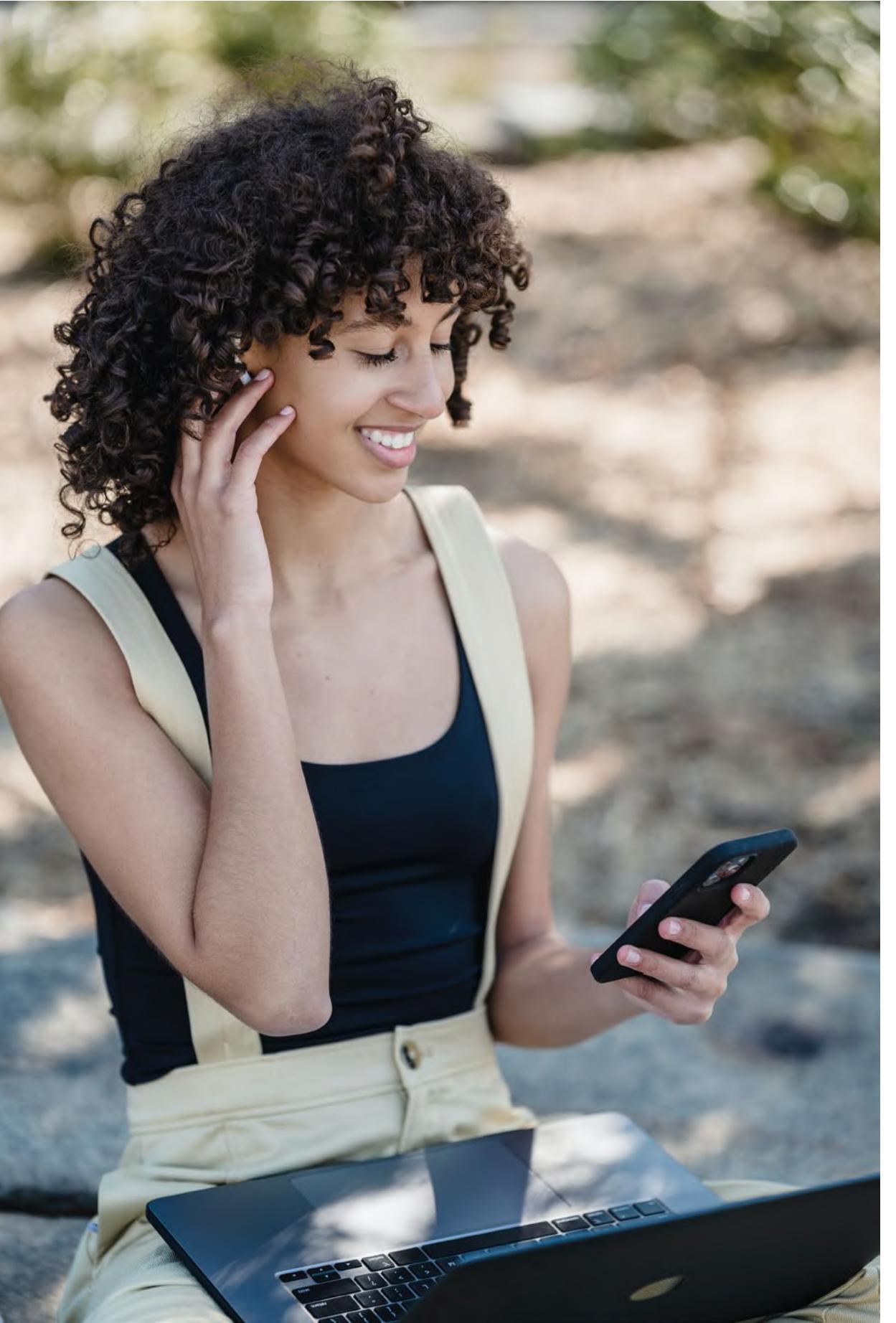


Portable
Headphones



Target Market

Young adults looking for headphones that fit their busy lifestyle.



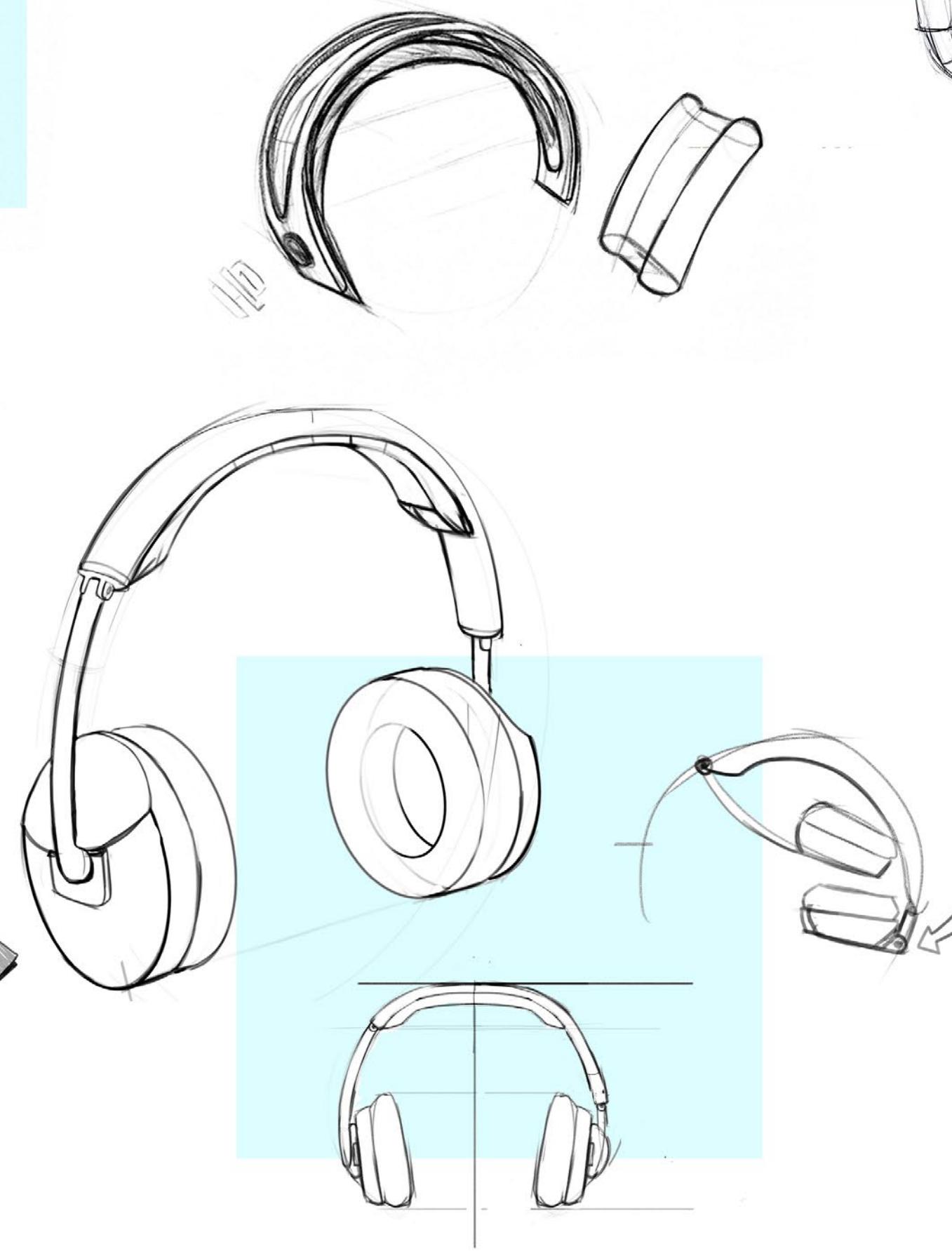
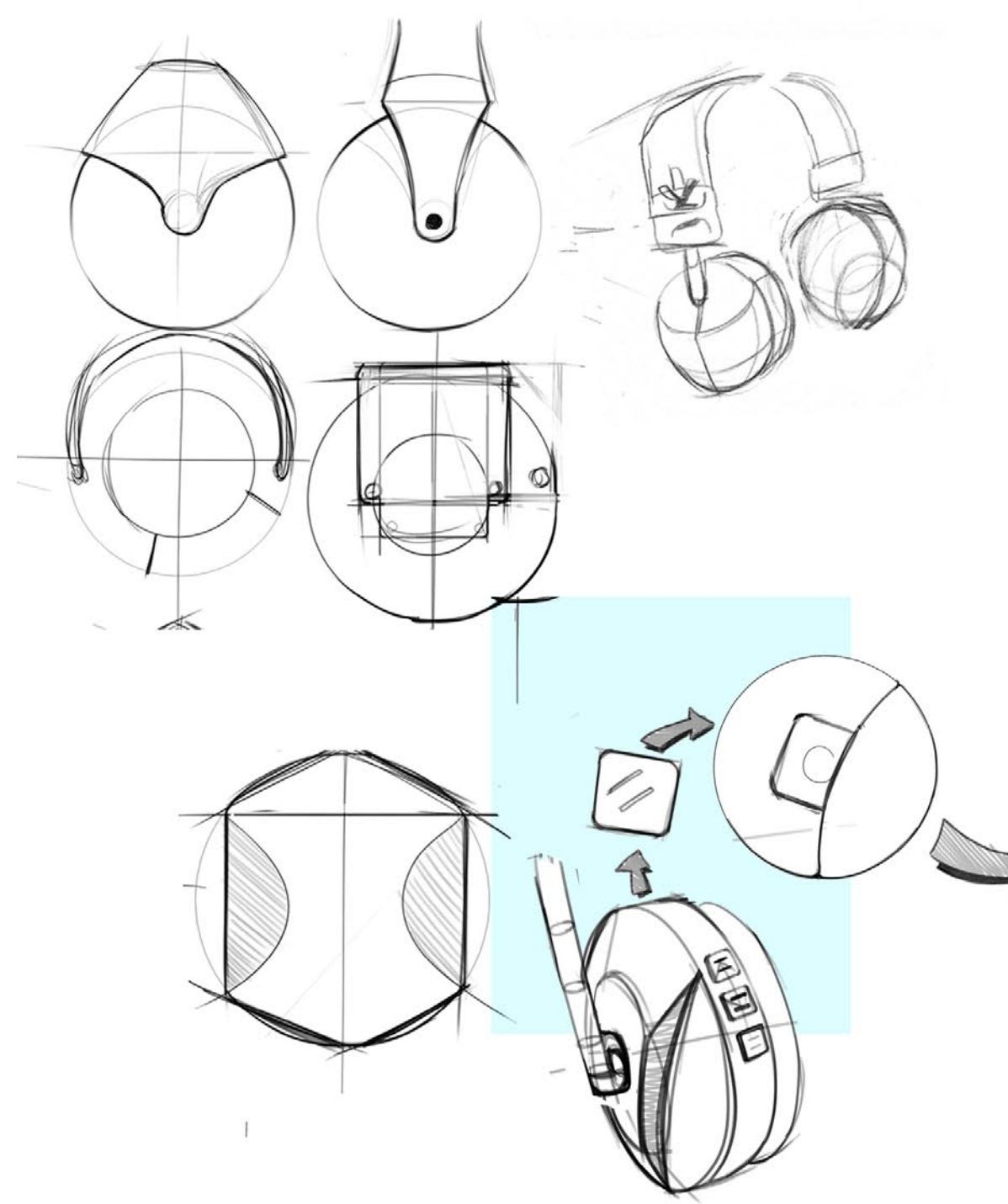
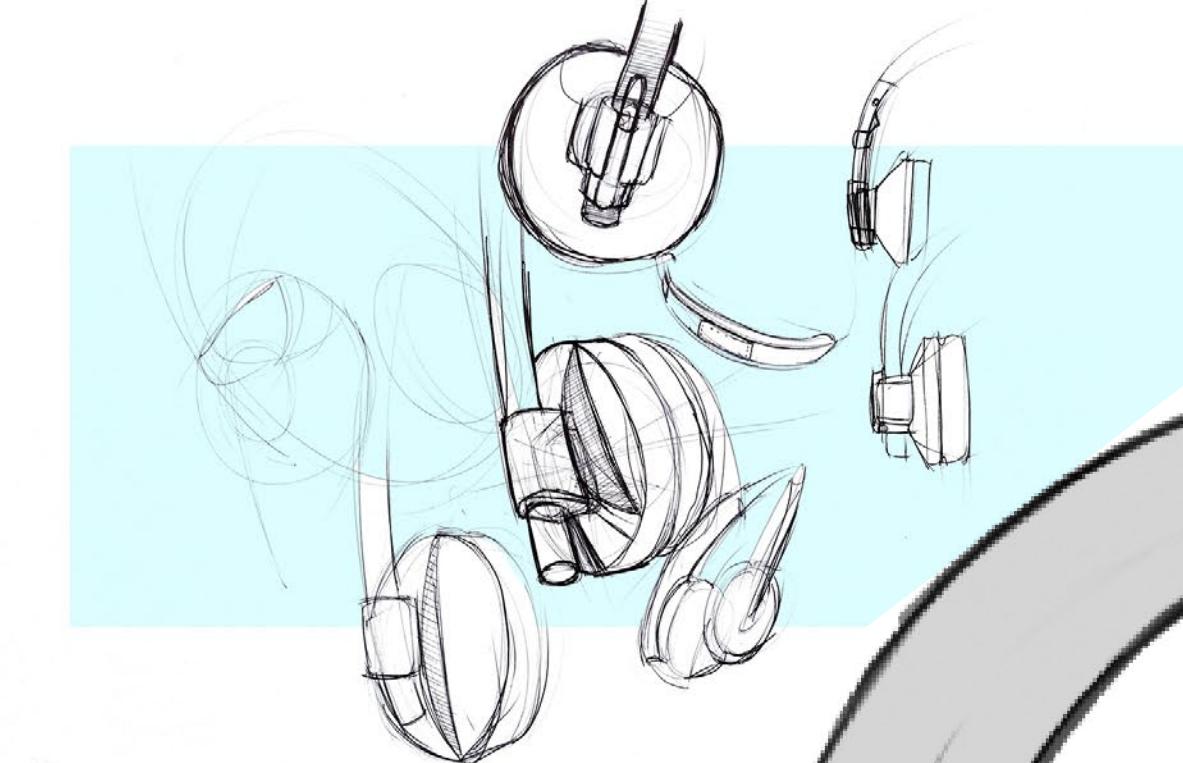
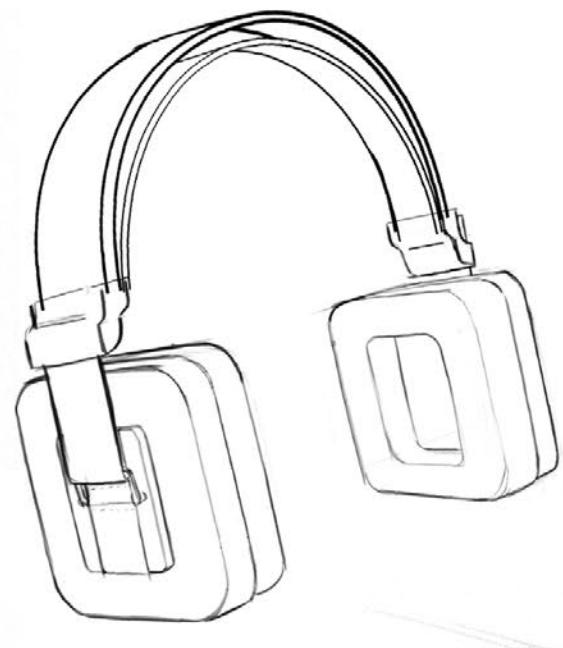
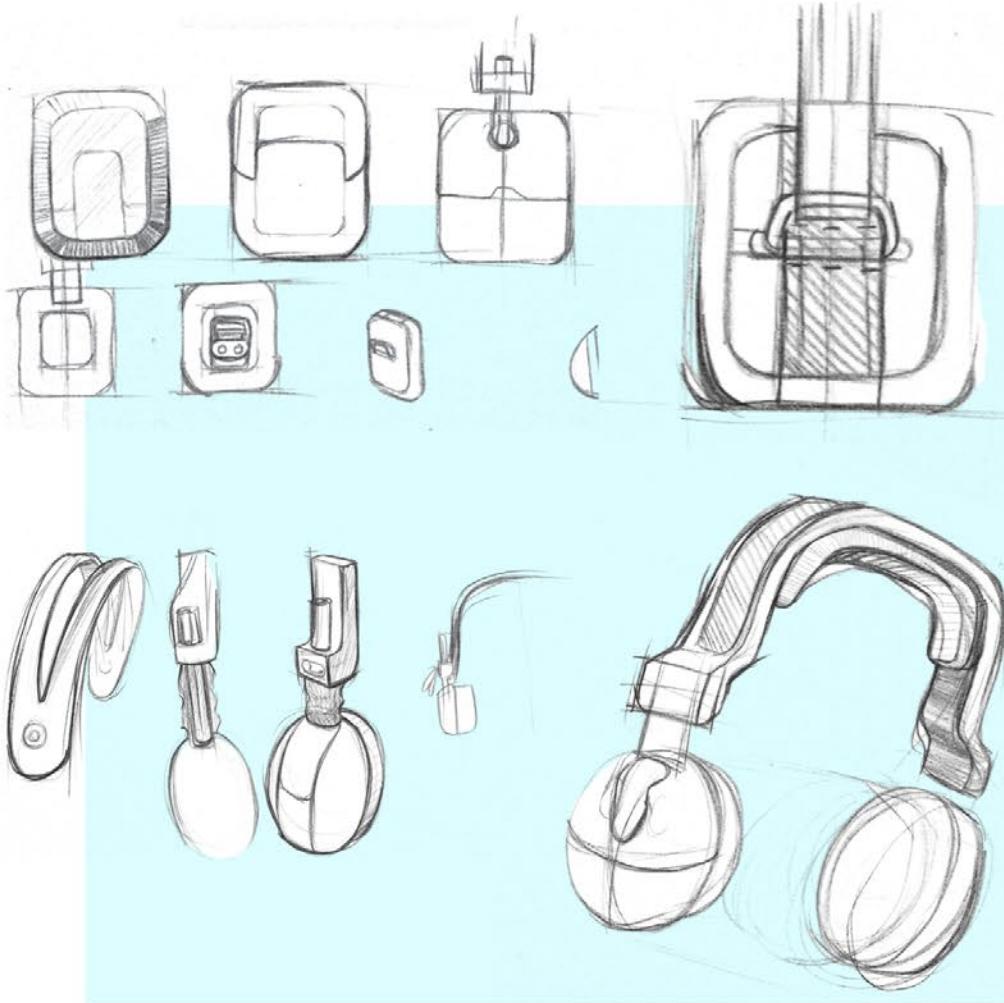
Technology

Transparency mode

Noise canceling allowing wearer to be aware of surroundings

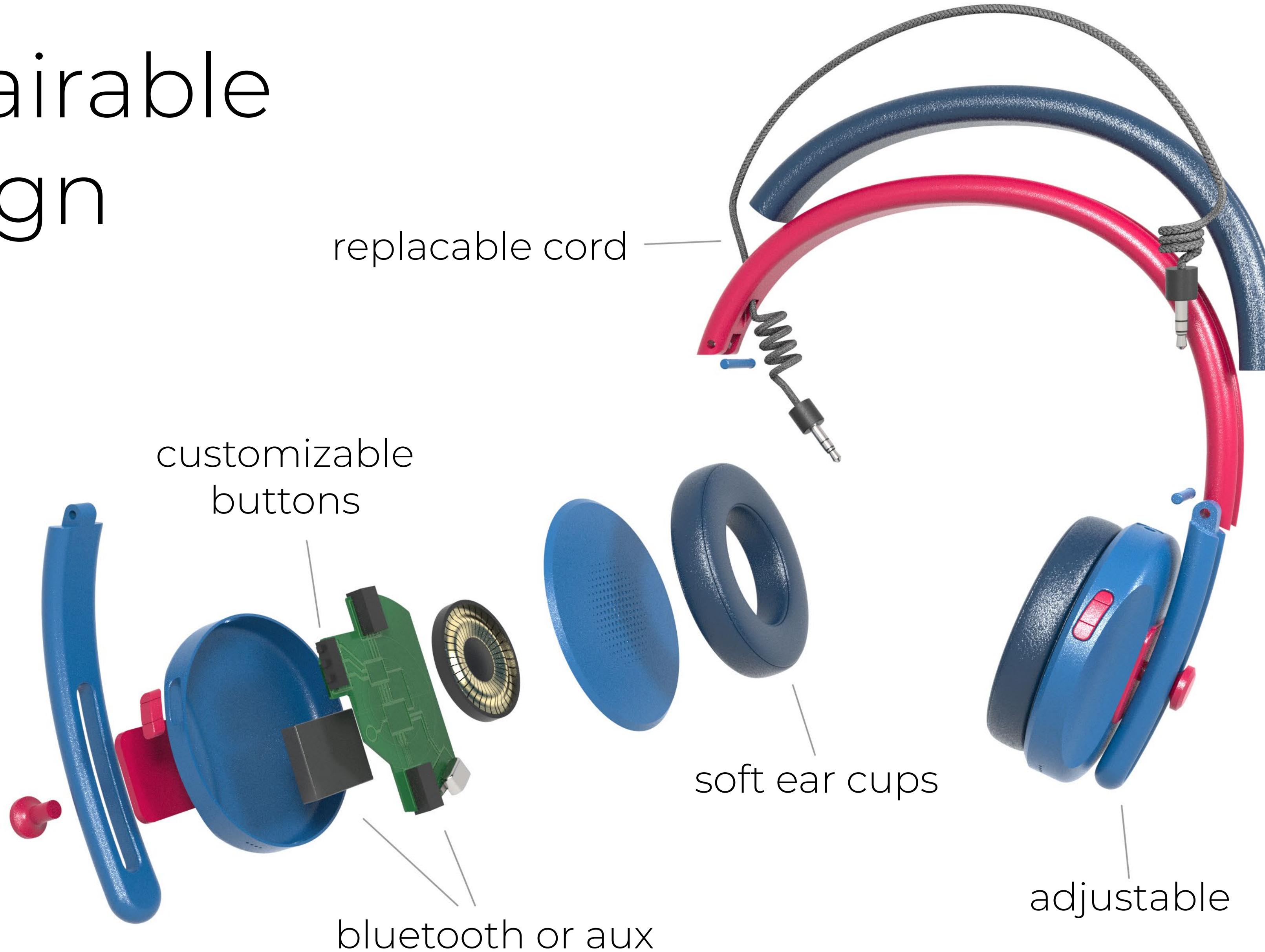
Directional MEMS Micro-phone

Detects directional noise and keeps





Repairable Design



picug
Rotary tool

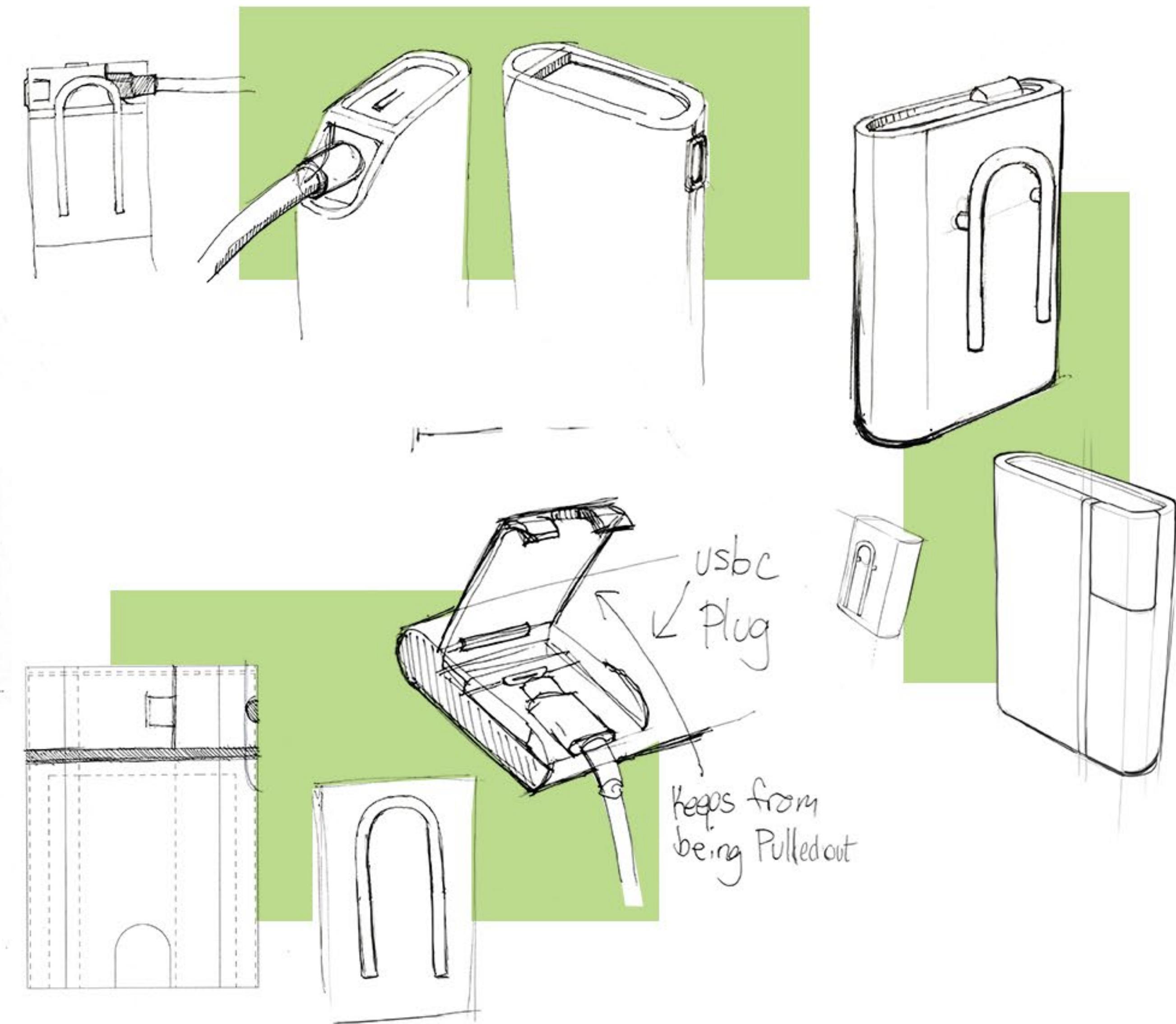
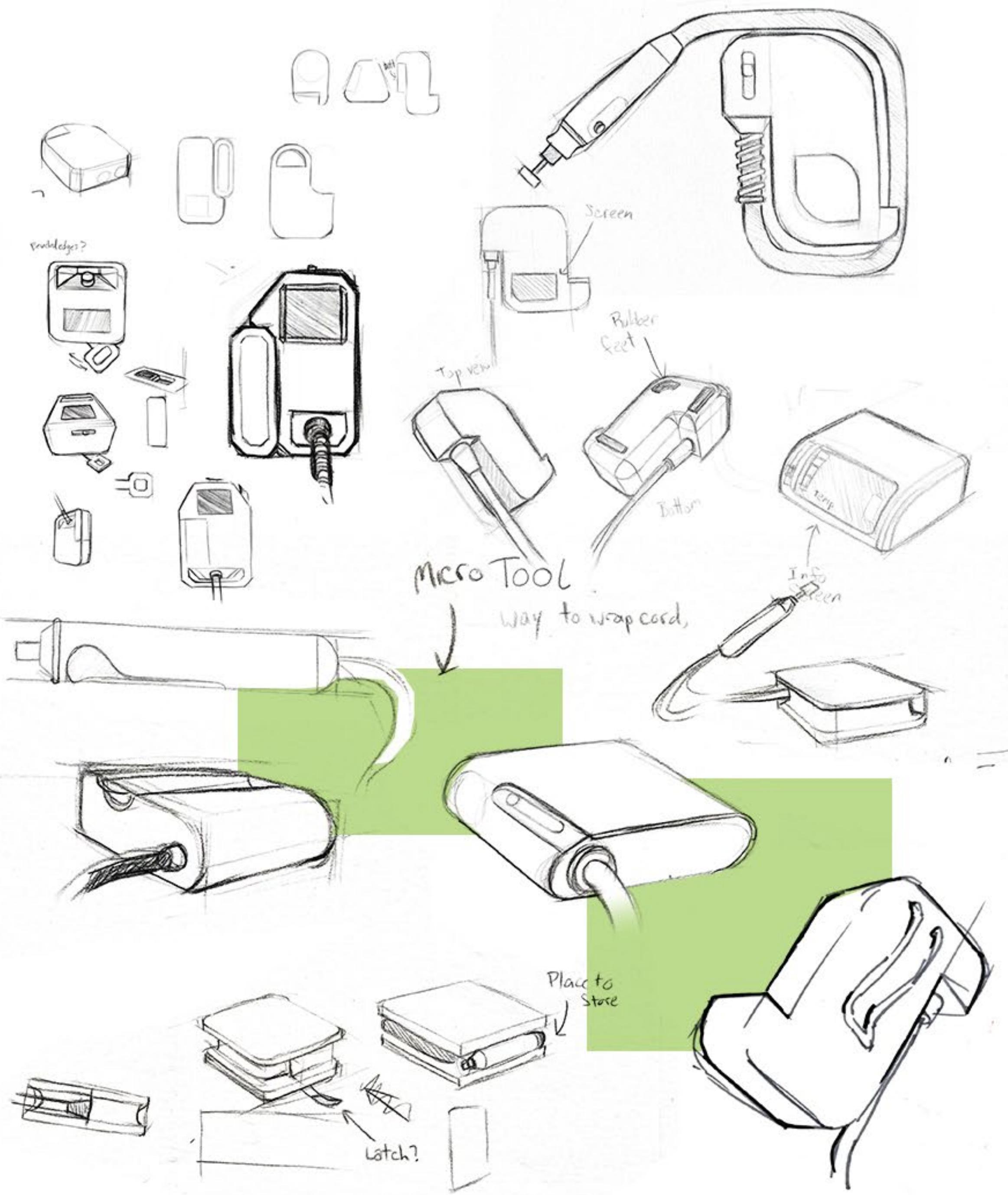


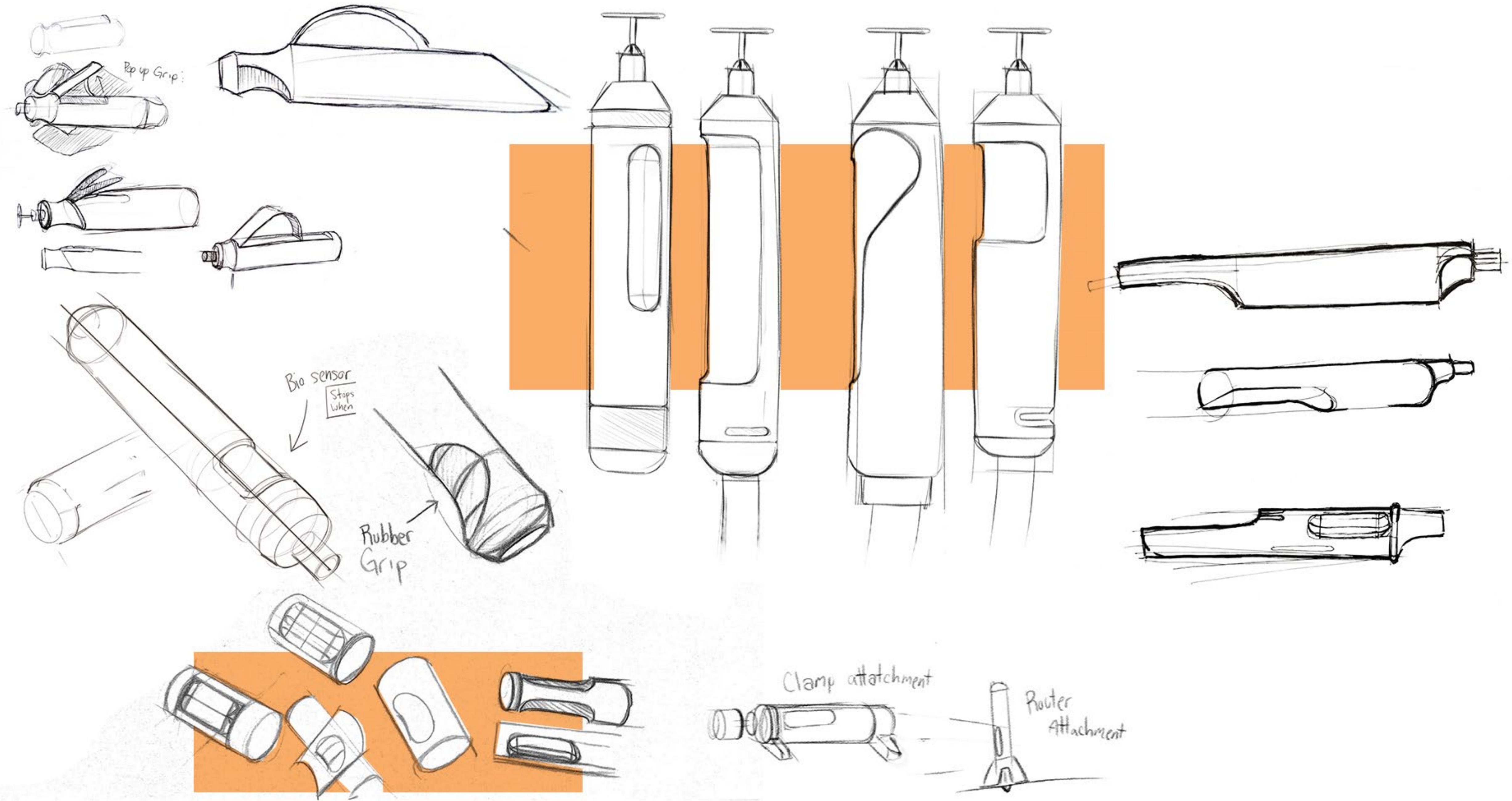
Picus Is a rotary tool designed for beginner makers and artisans who want to become more familiar with power tools



Project Focuses:

- Portability
- Ergonomics
- Flexibility



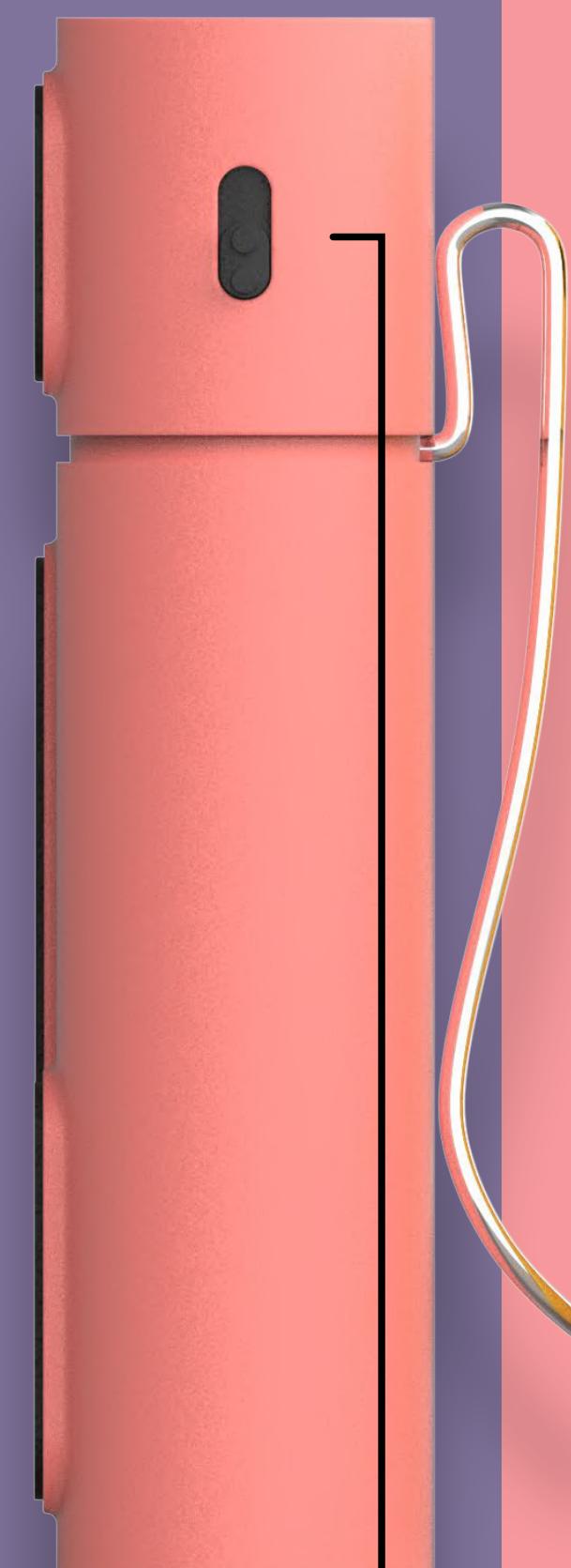


ABS plastic



rubberized coating

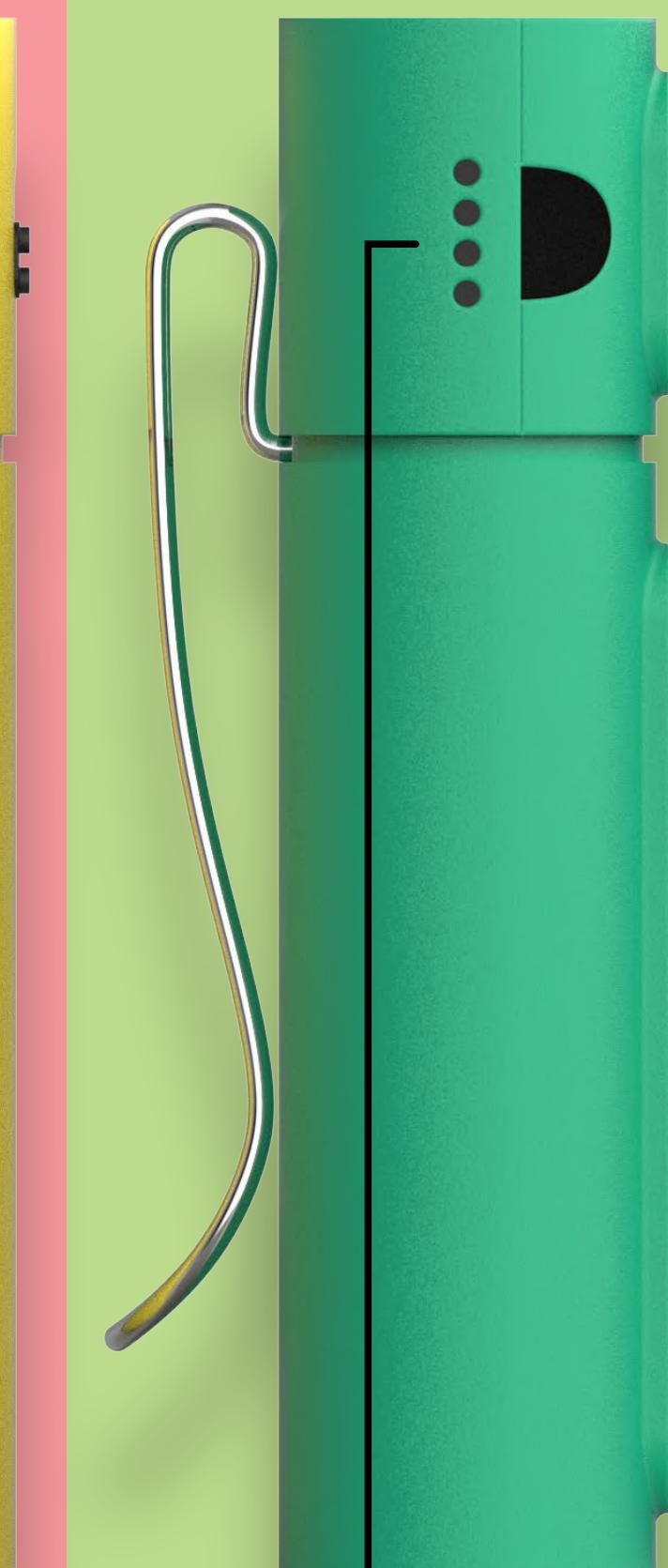




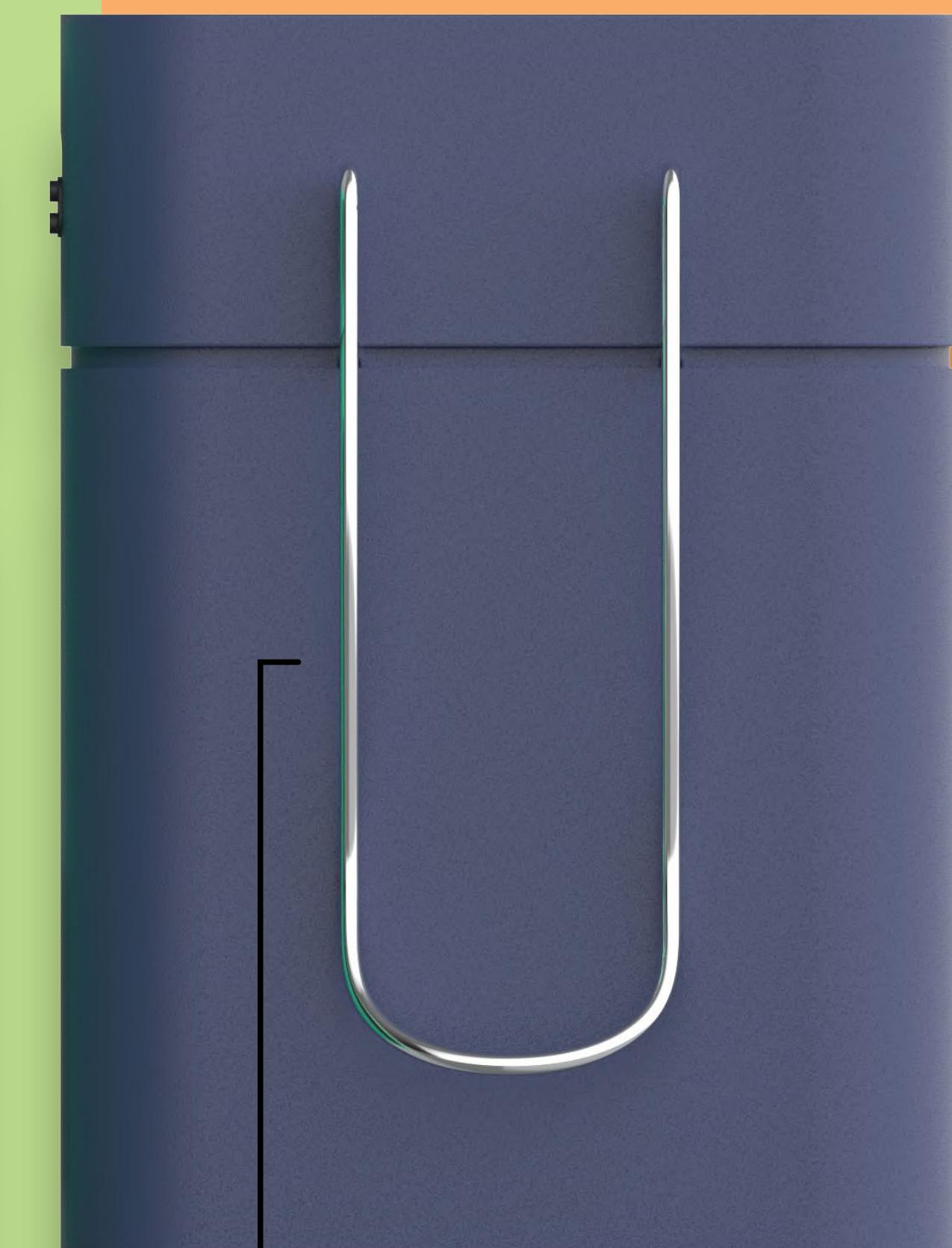
safety lock



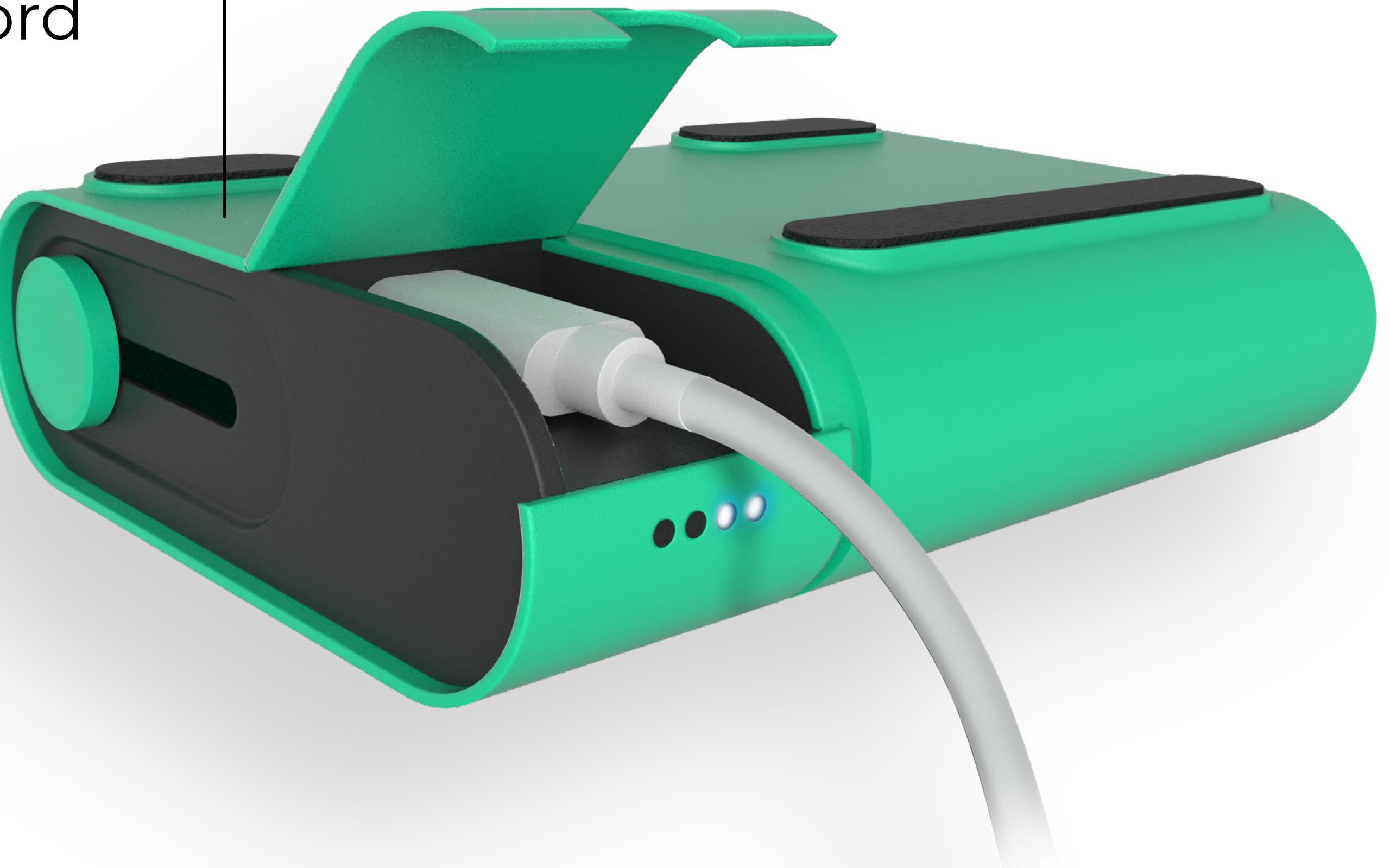
rubber grips



battery
indicator



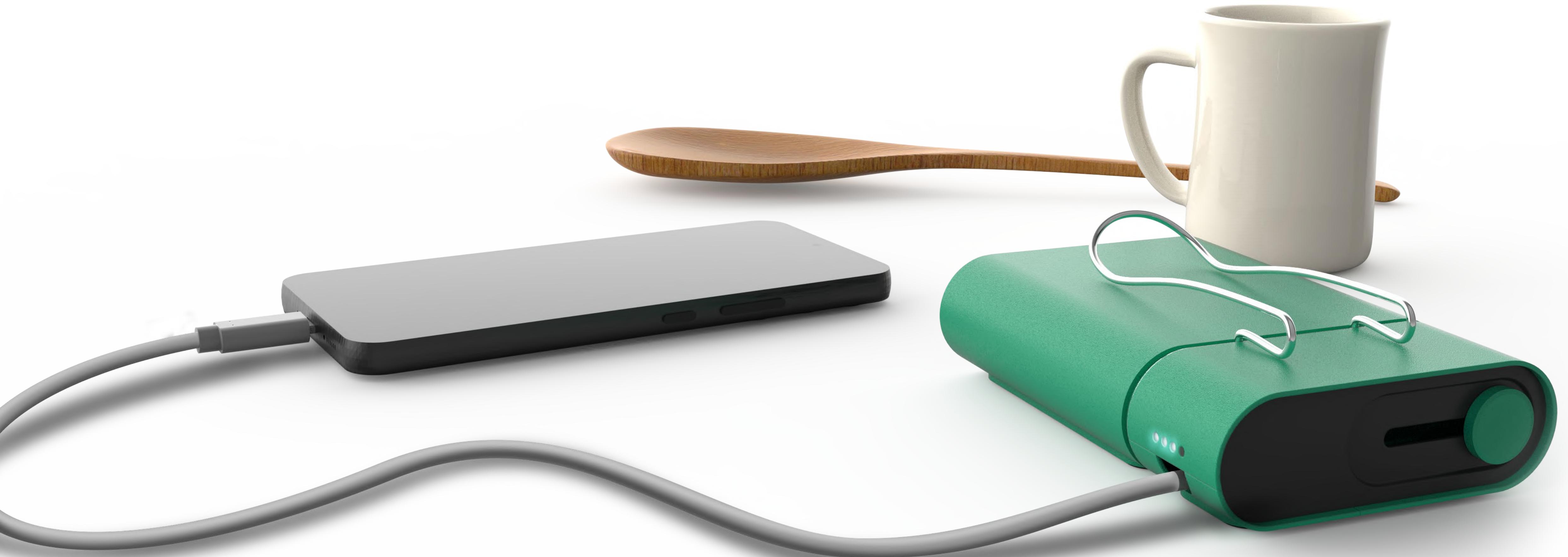
stainless
steel clip



hinge to prevent excessive
bending of cord

motor speed control

Usable as a battery pack for casual use.





College For Creative Studies

Render Relay

Render Relay is a College for Creative Studies based design competition for modeling and rendering.

Students are given a Prompt and three weeks to complete their submission.

challenge:

Concept Game Console



