

Industrial Design

Portfolio

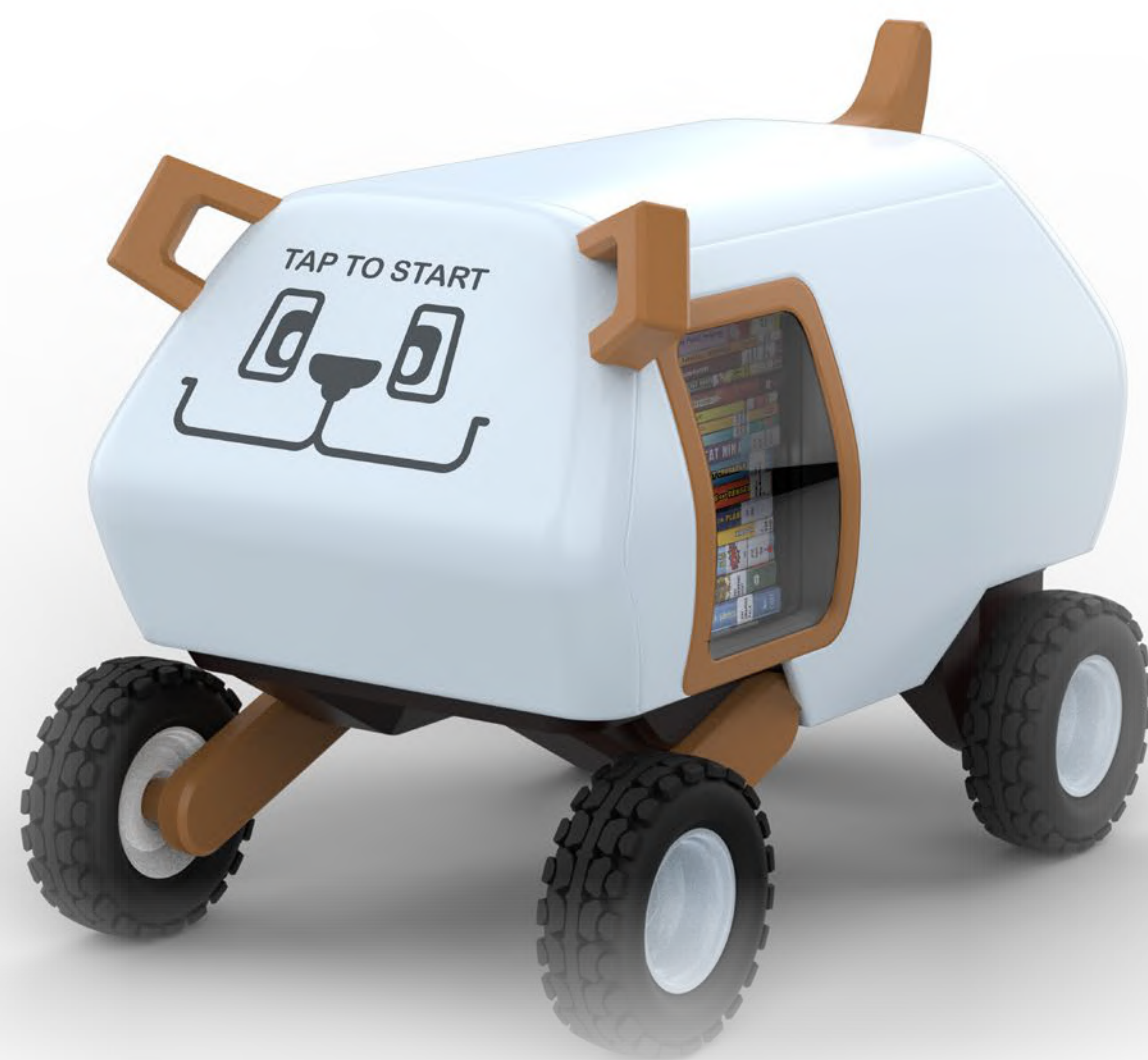
Lucy Fata

Hello!



Lucy Fata

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



Game Console



A traveling little library
for your community



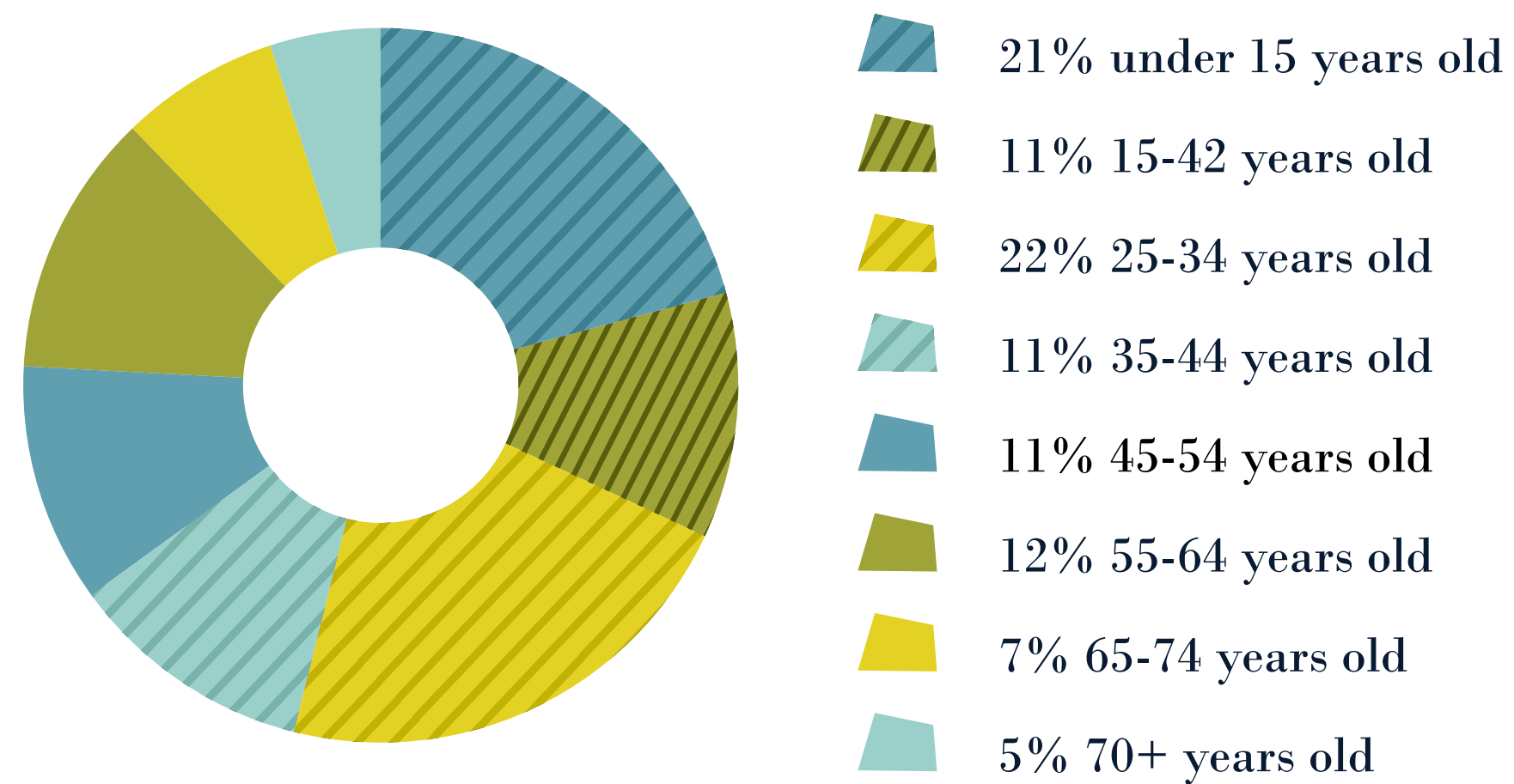
Challenge:

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.

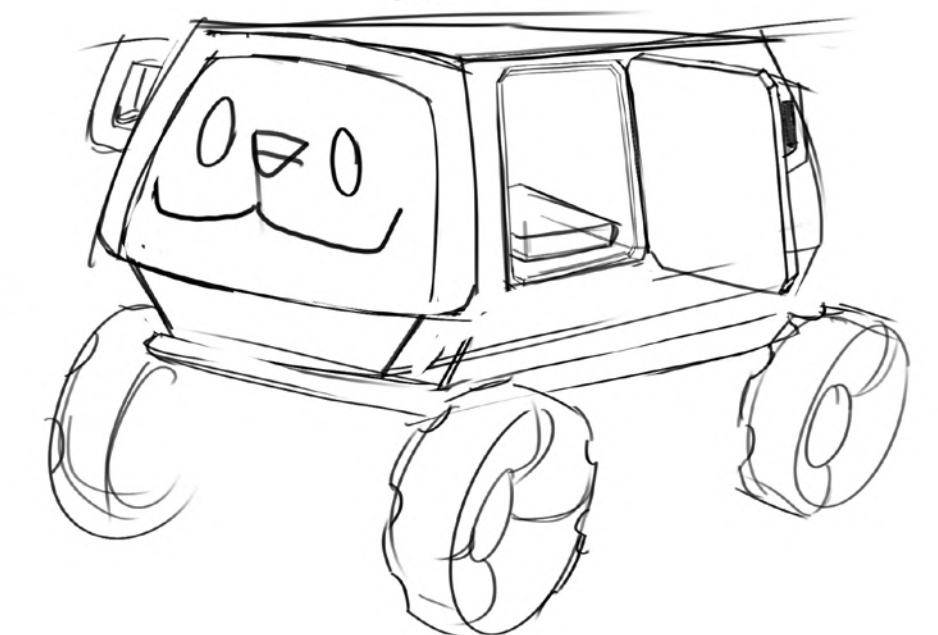
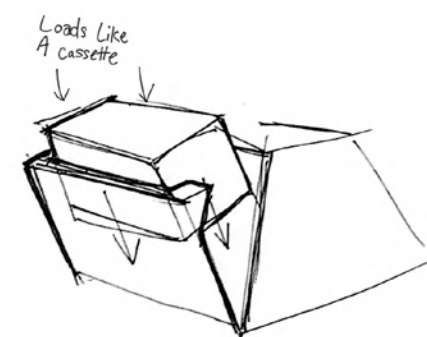
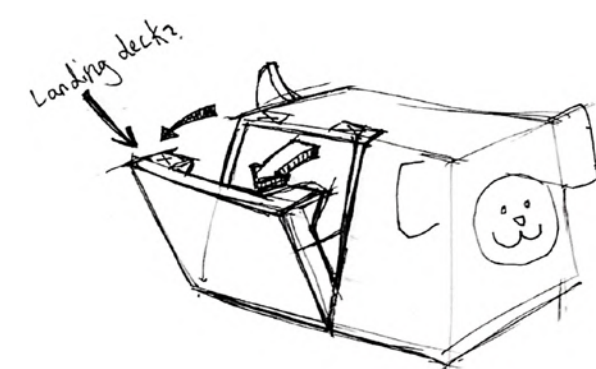
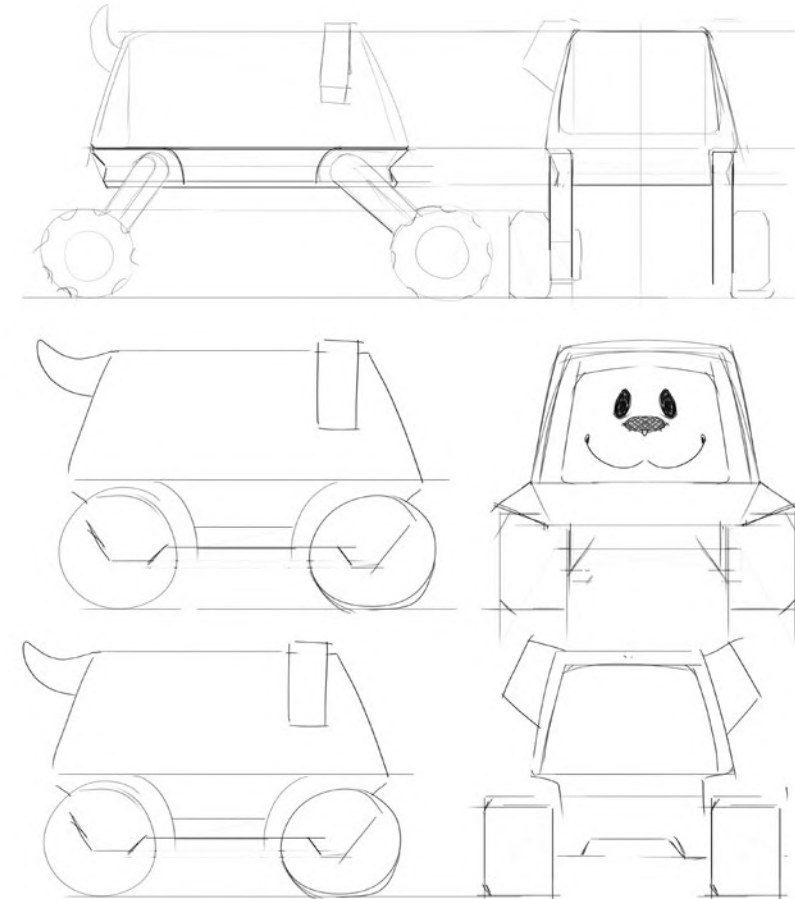
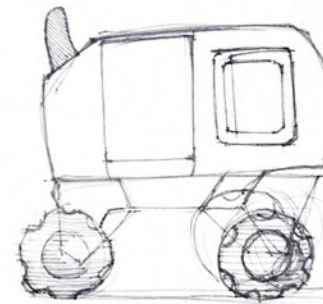
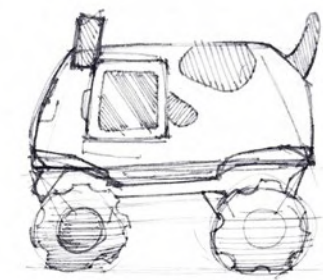
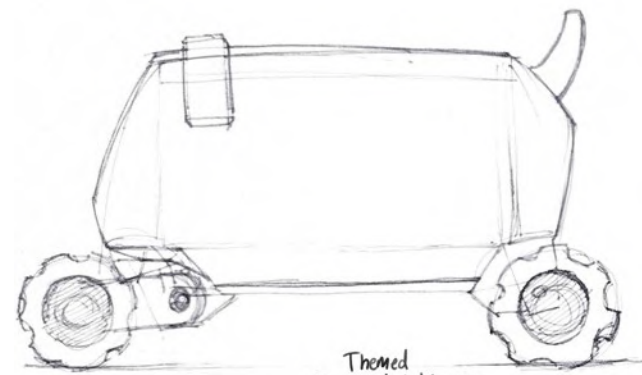
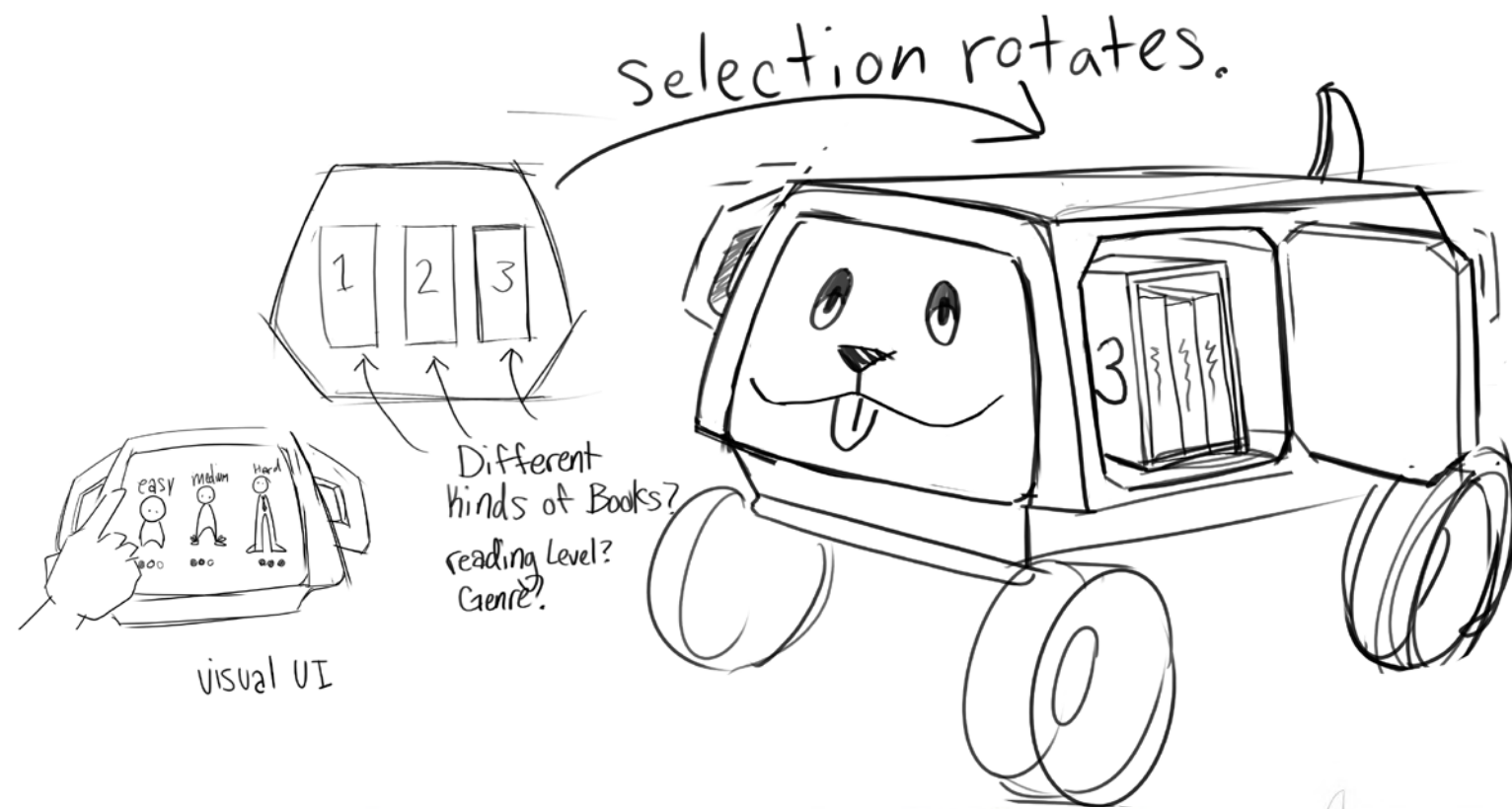
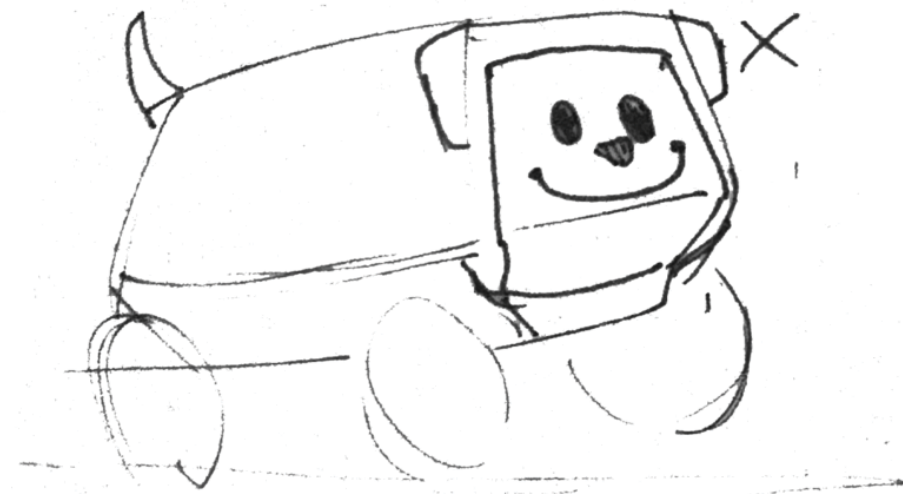
72% have read at least one physical print over the course of a year.

Nearest Libraries to Corktown



- Bowen Detroit Public Library
- Douglass branch for Specialized Services

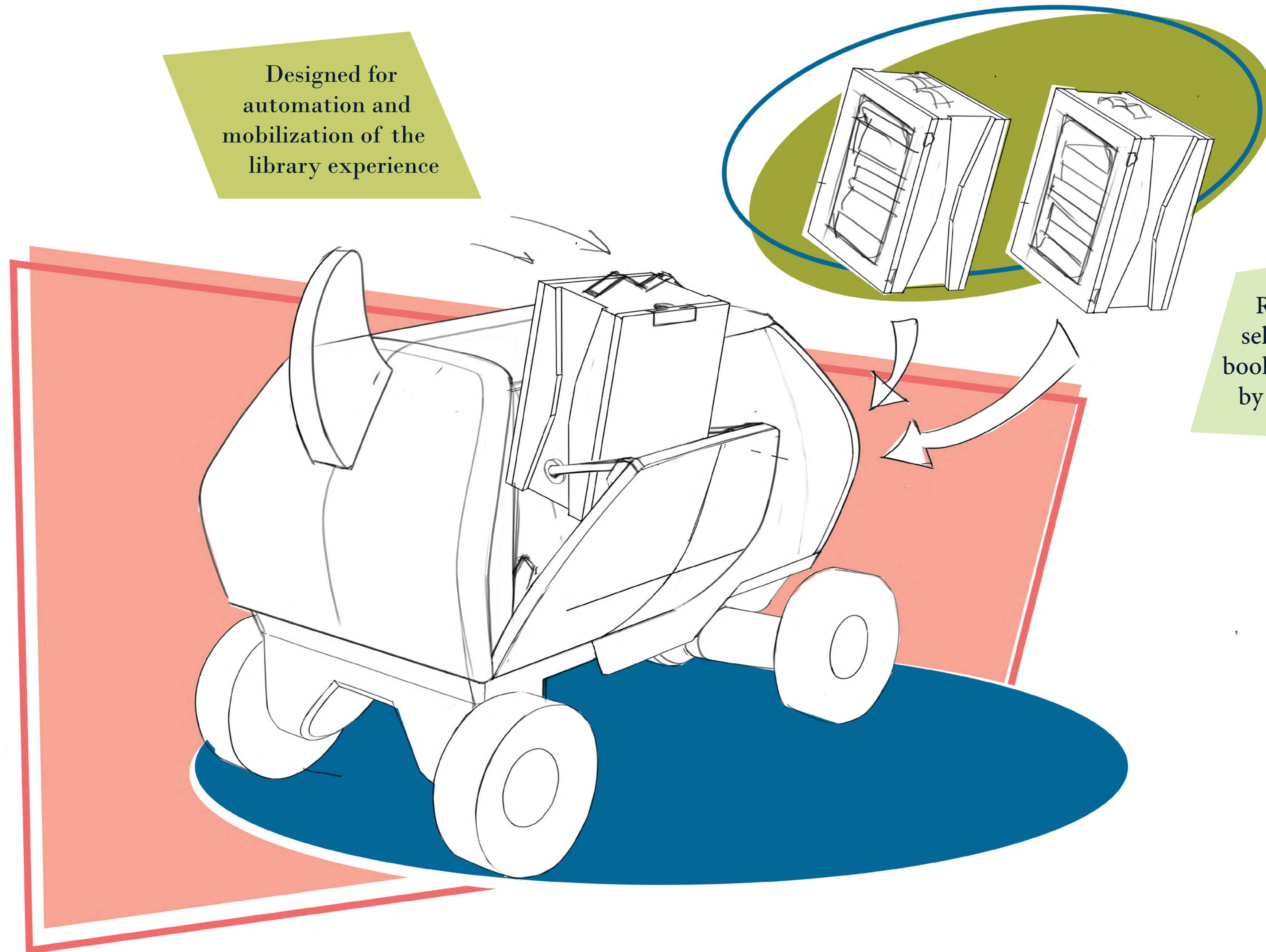
Ideation



Designed for
automation and
mobilization of the
library experience

Modular package
keeps books safe and
dry during transport

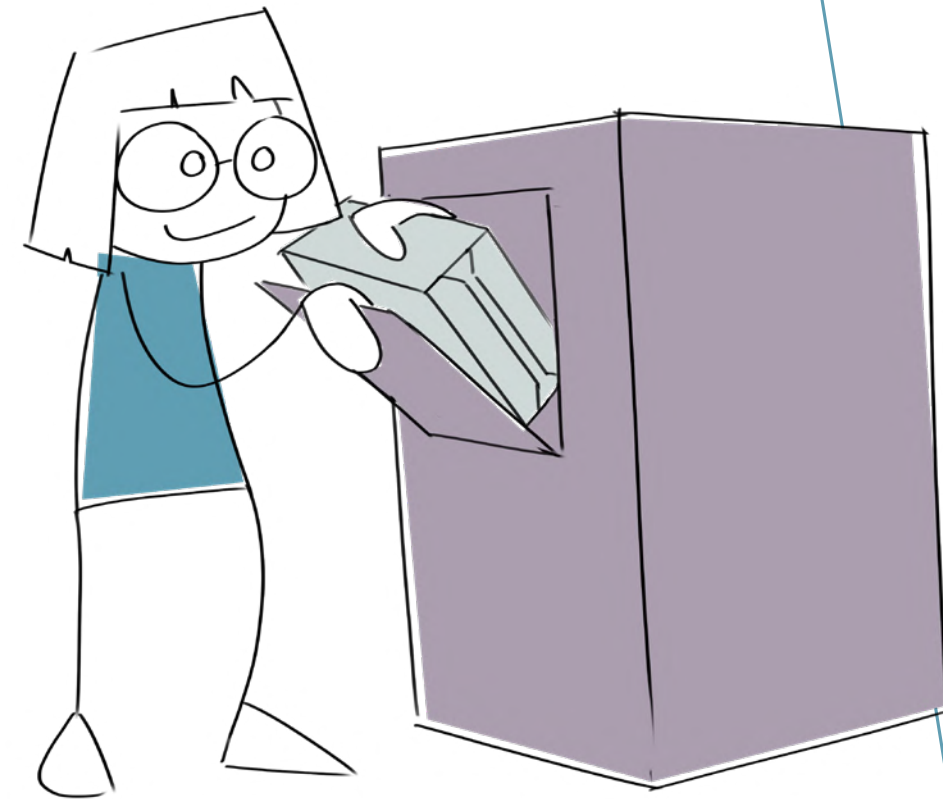
Rotating
selection of
books grouped
by difficulty



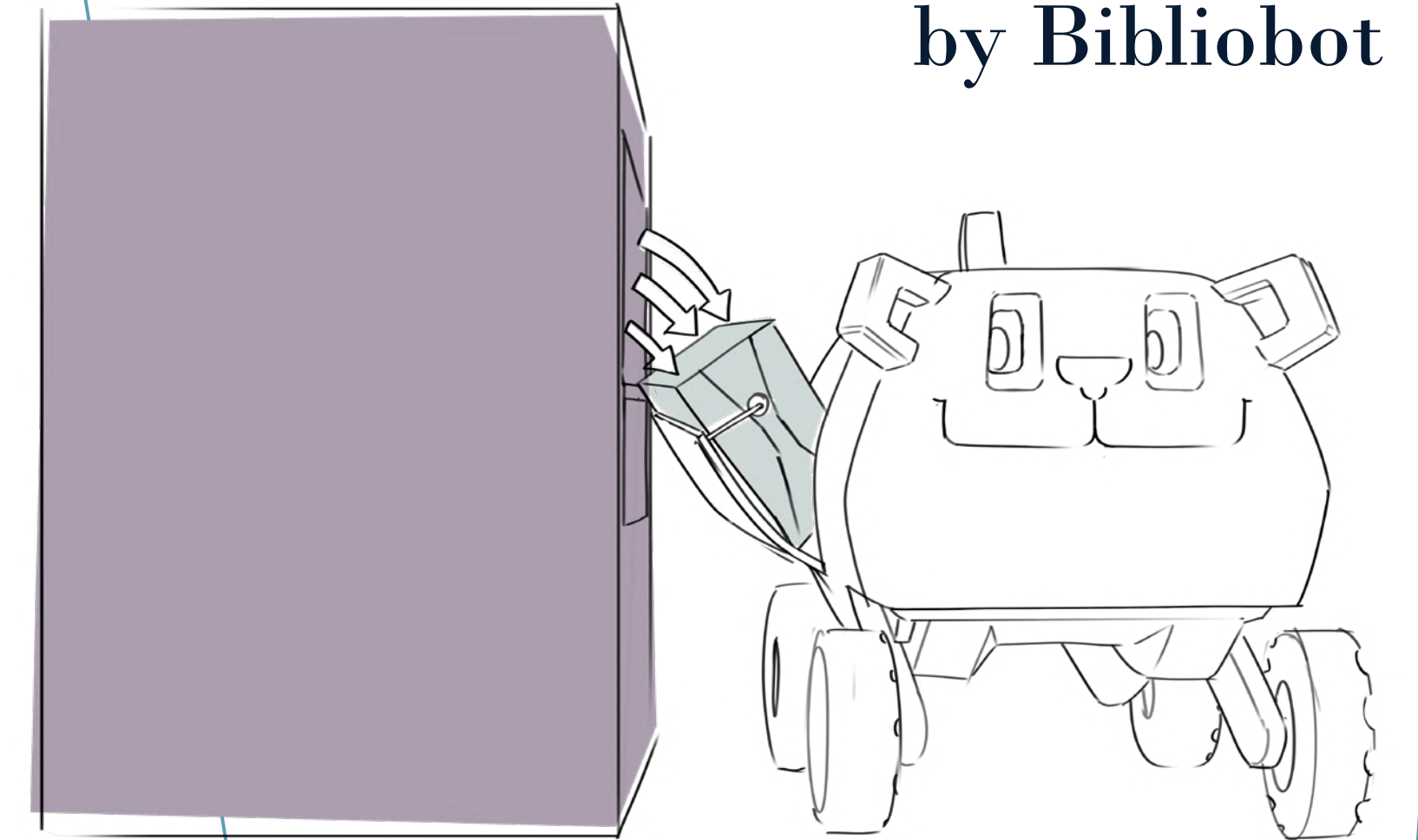
**Book selection
picked by
librarian**



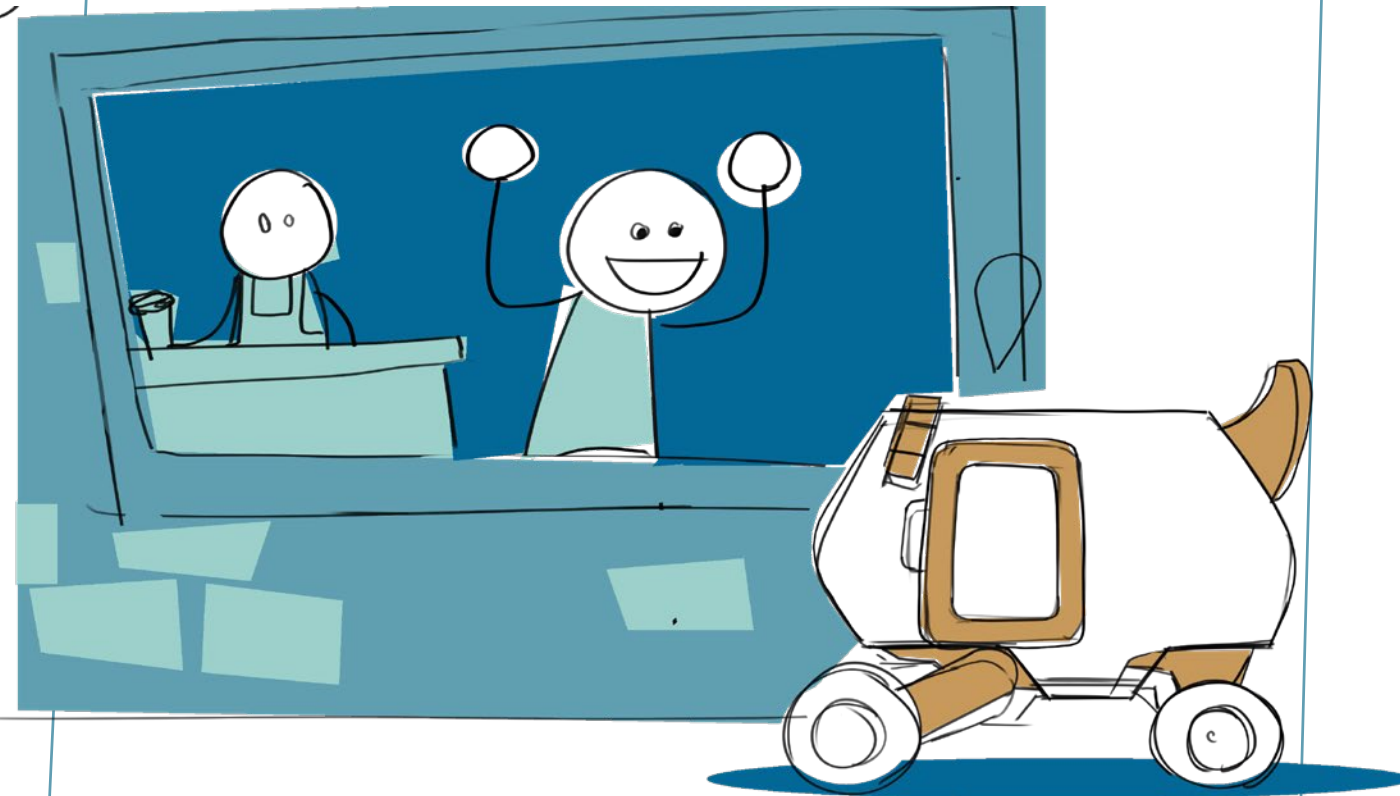
**Selection packaged and
put into pickup box**



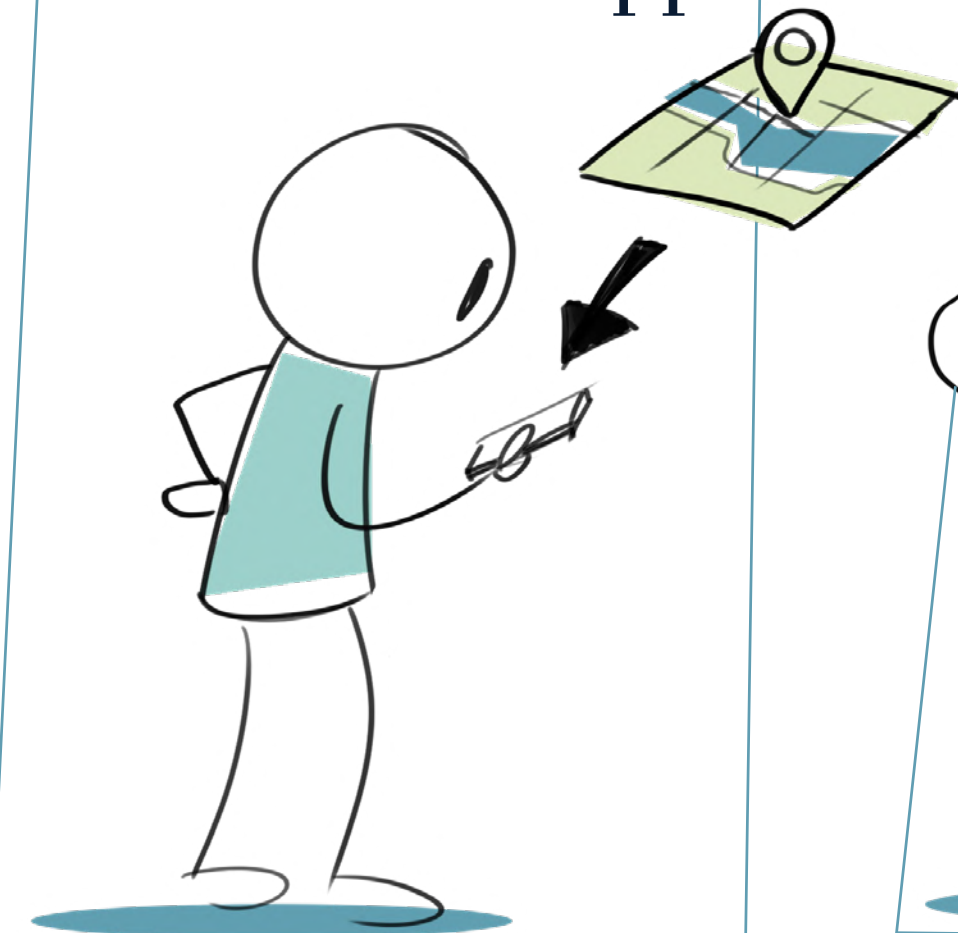
**Selection picked up
by Bibliobot**



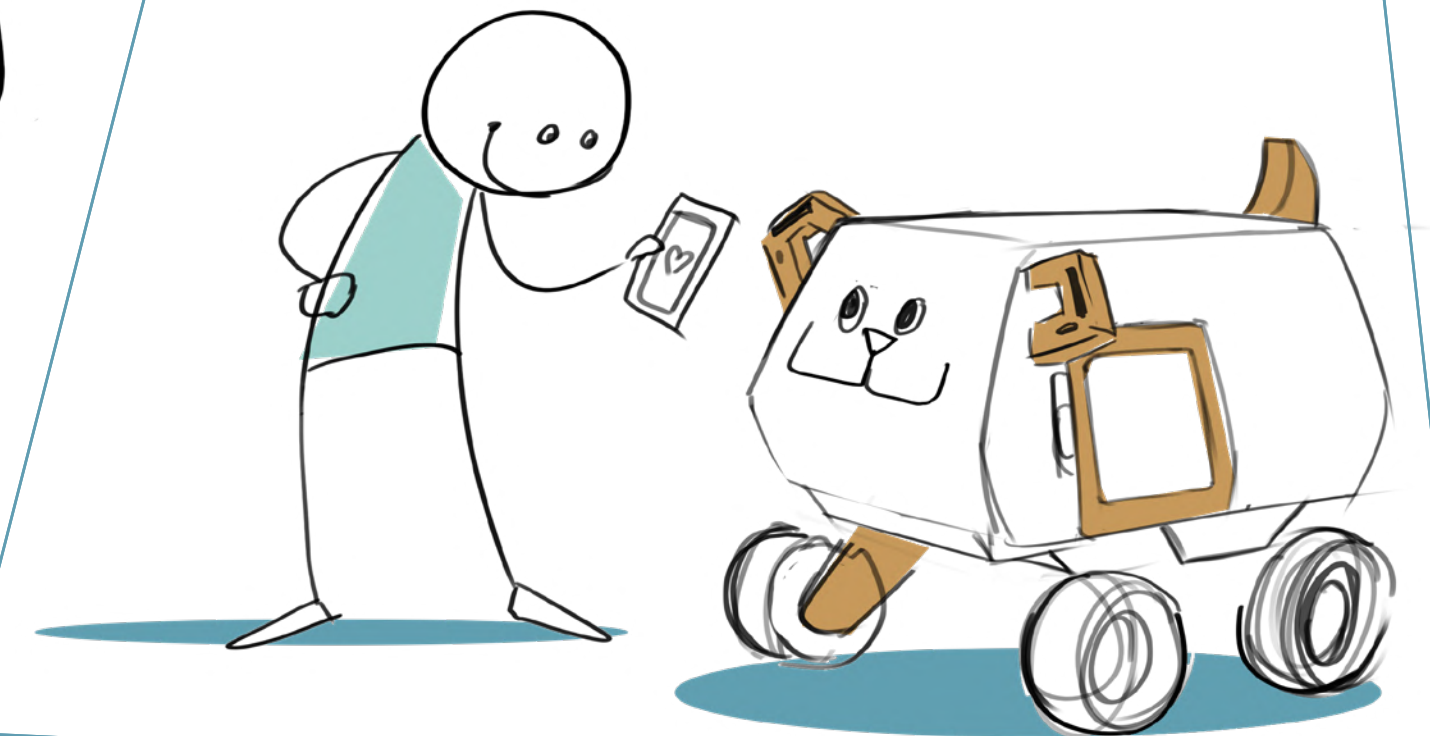
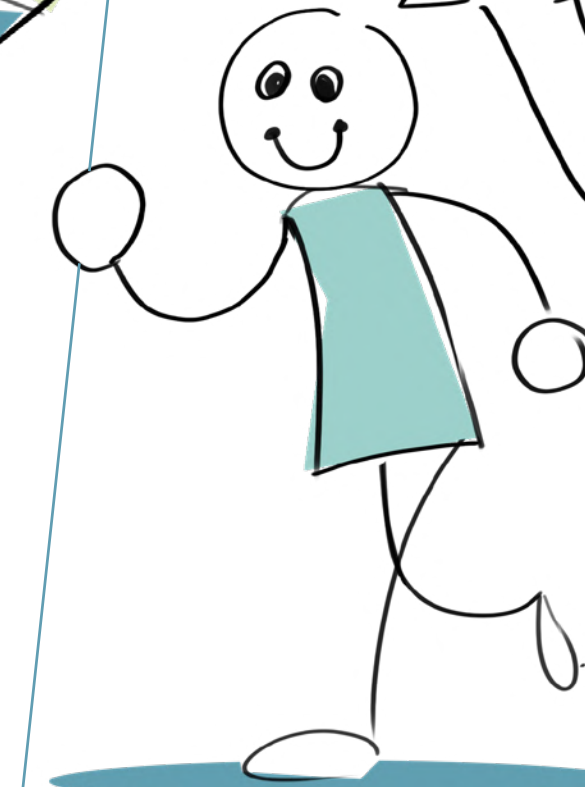
Bring the library to you by
requesting locations

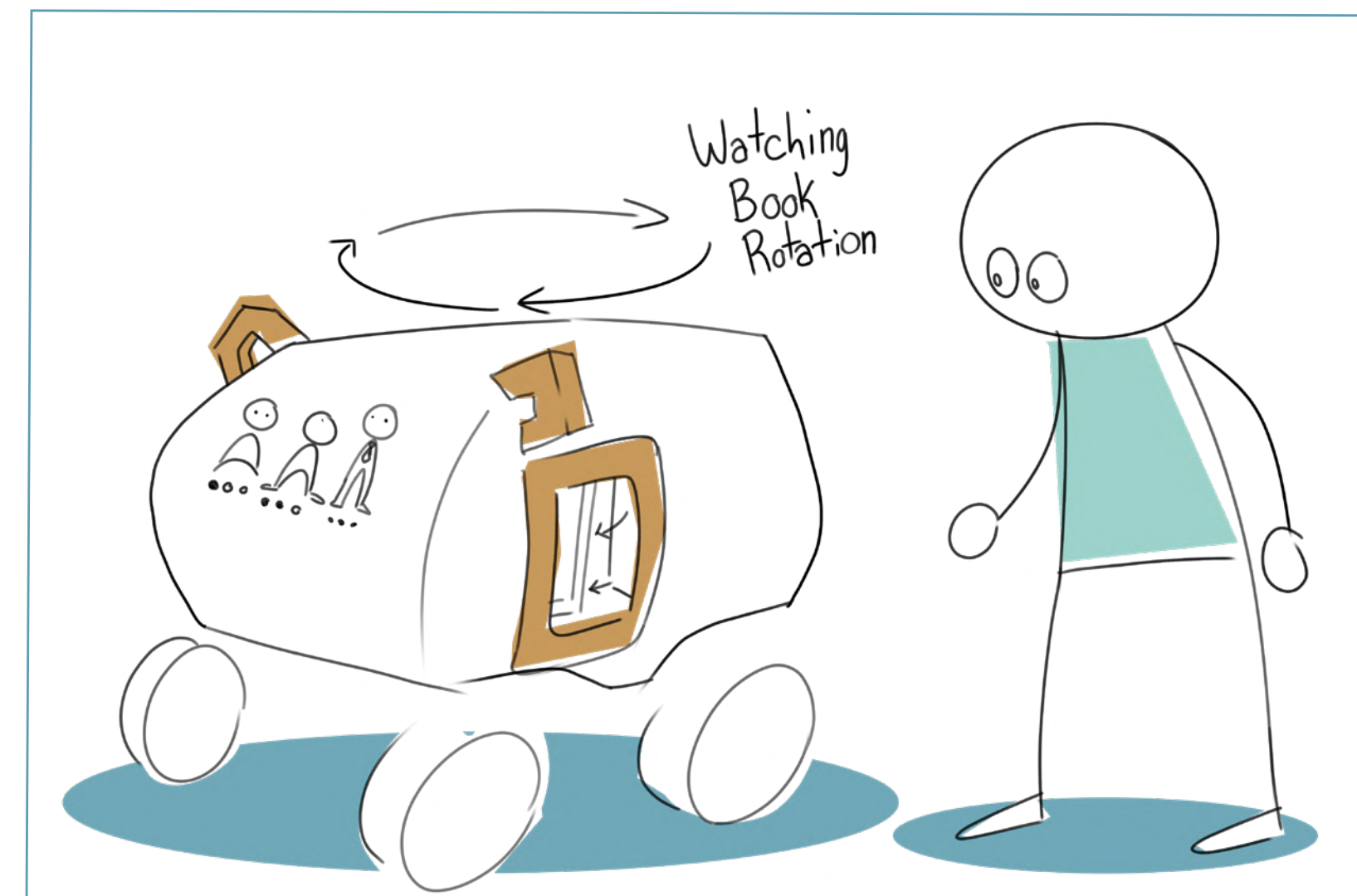
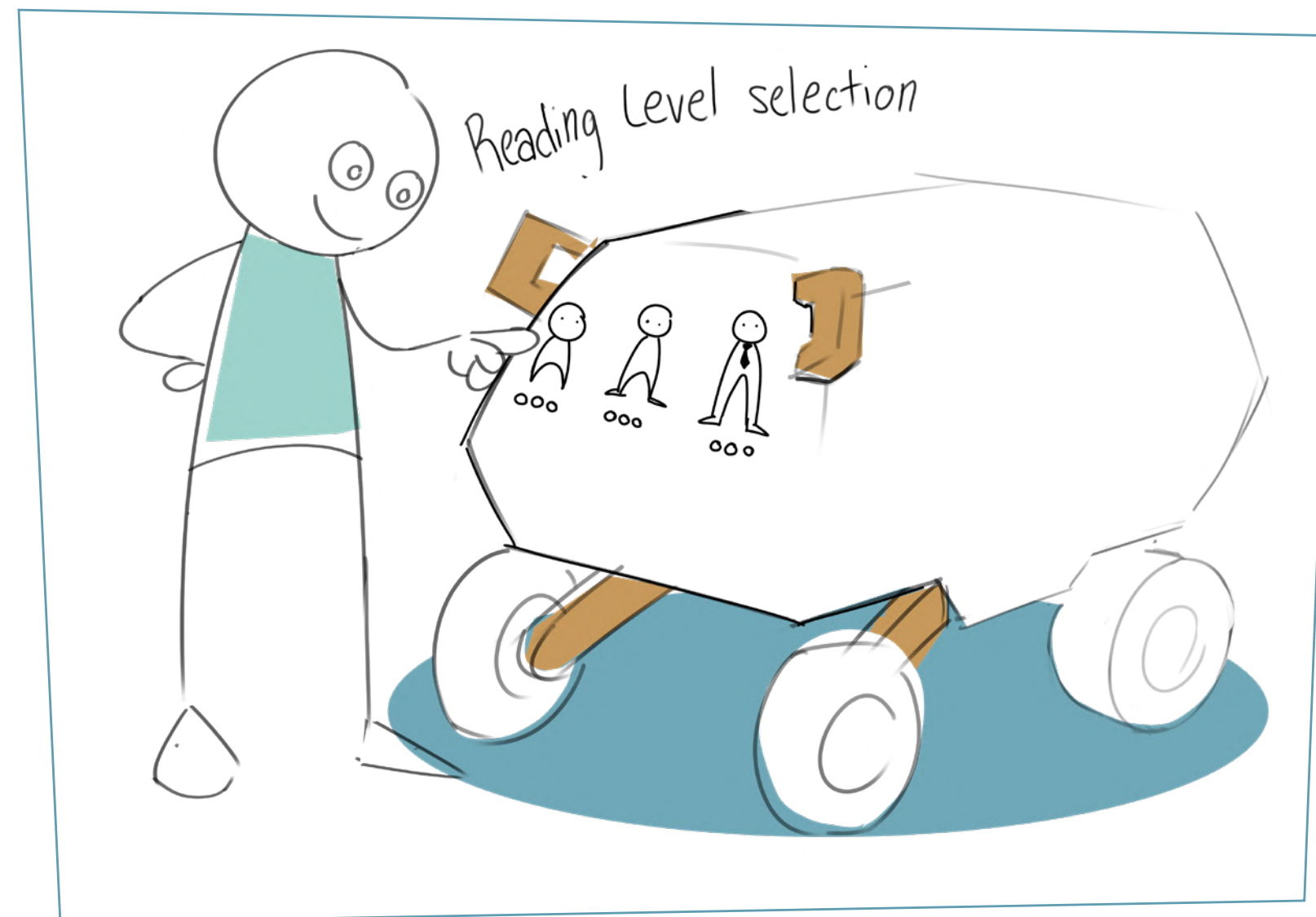
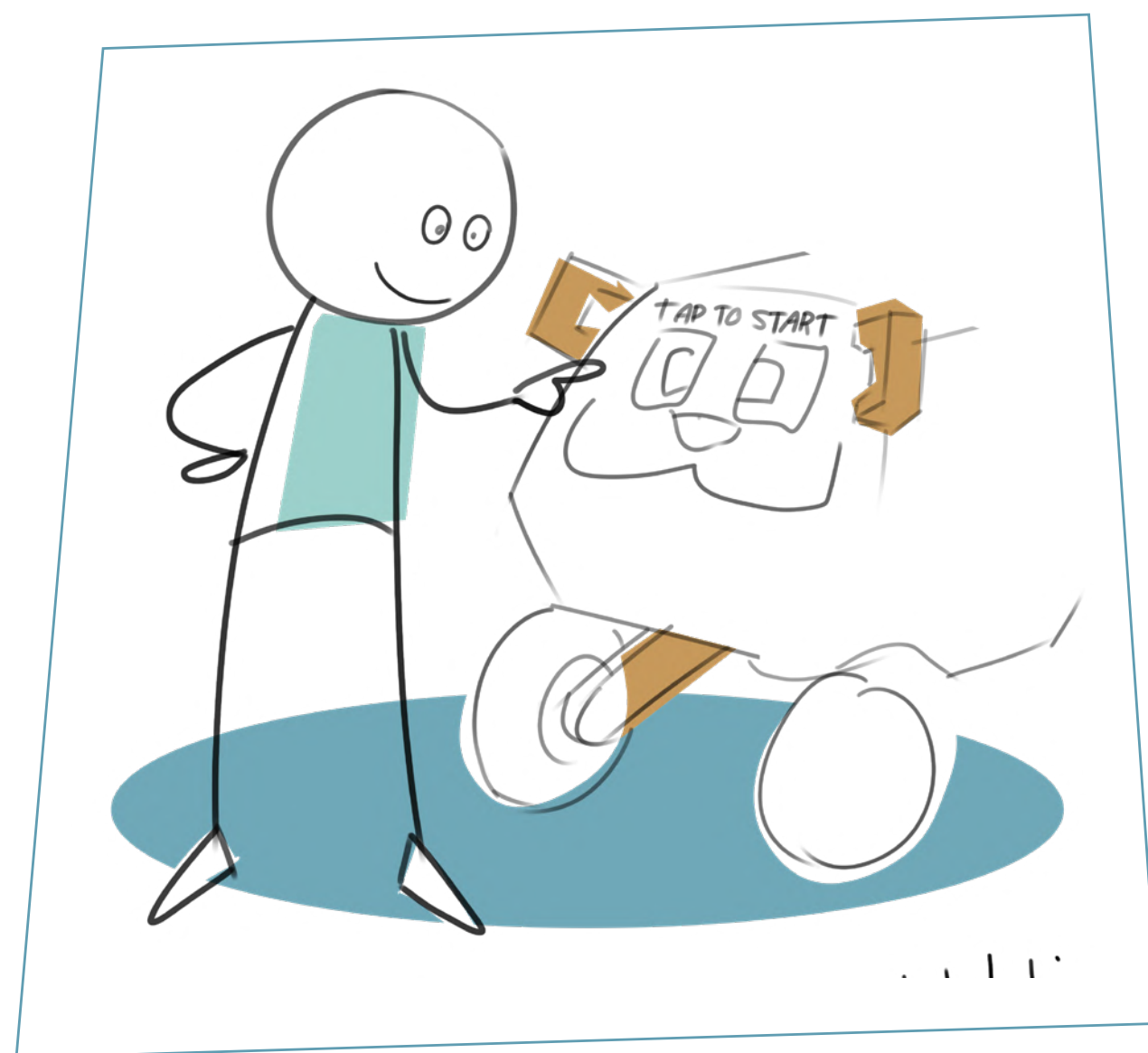


Check Bibliobot's
location via app

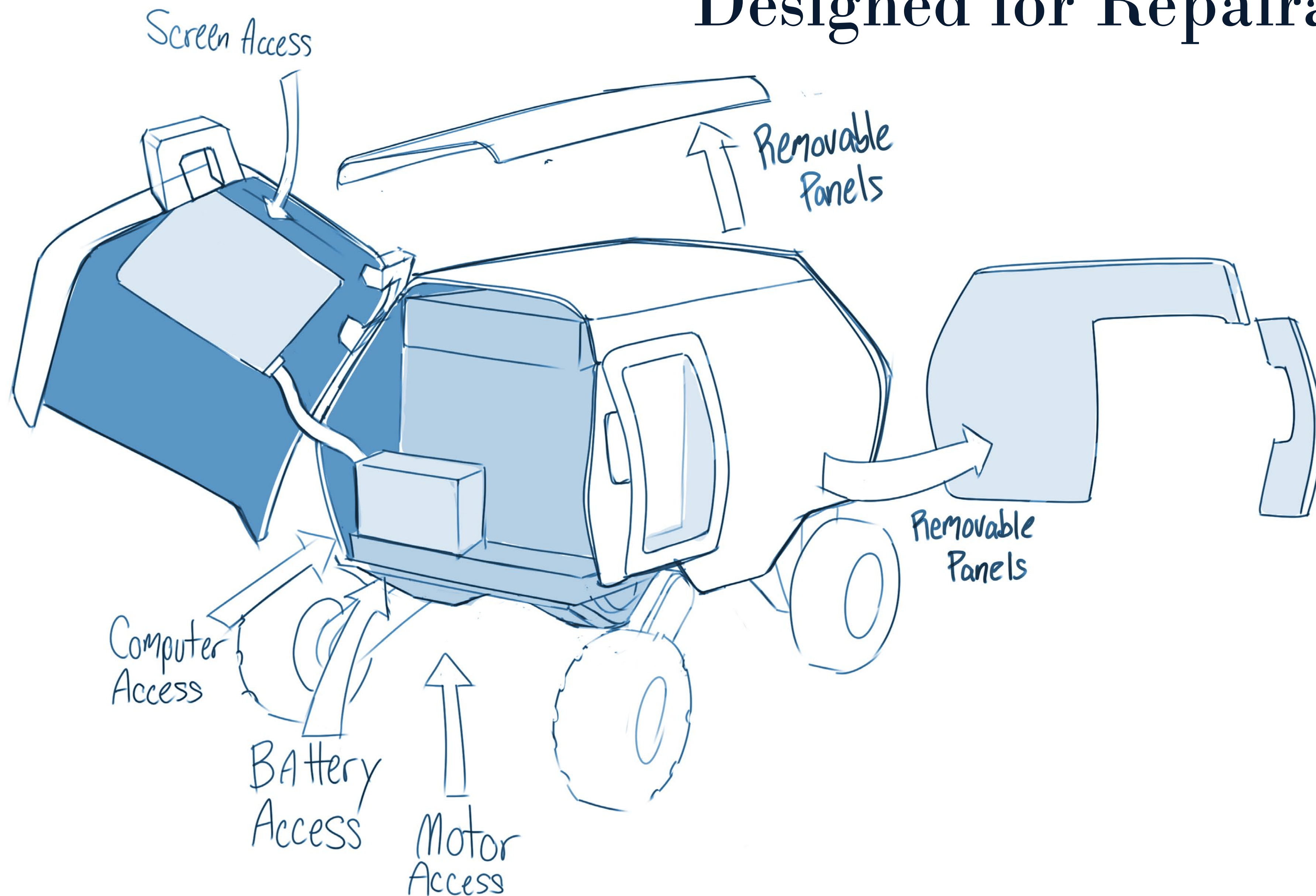


It's At
the
Park





Designed for Repairability





Flip

Portable
Headphones



Target Market

Young adults looking for headphones that fit thier busy lifestyle.



Technology

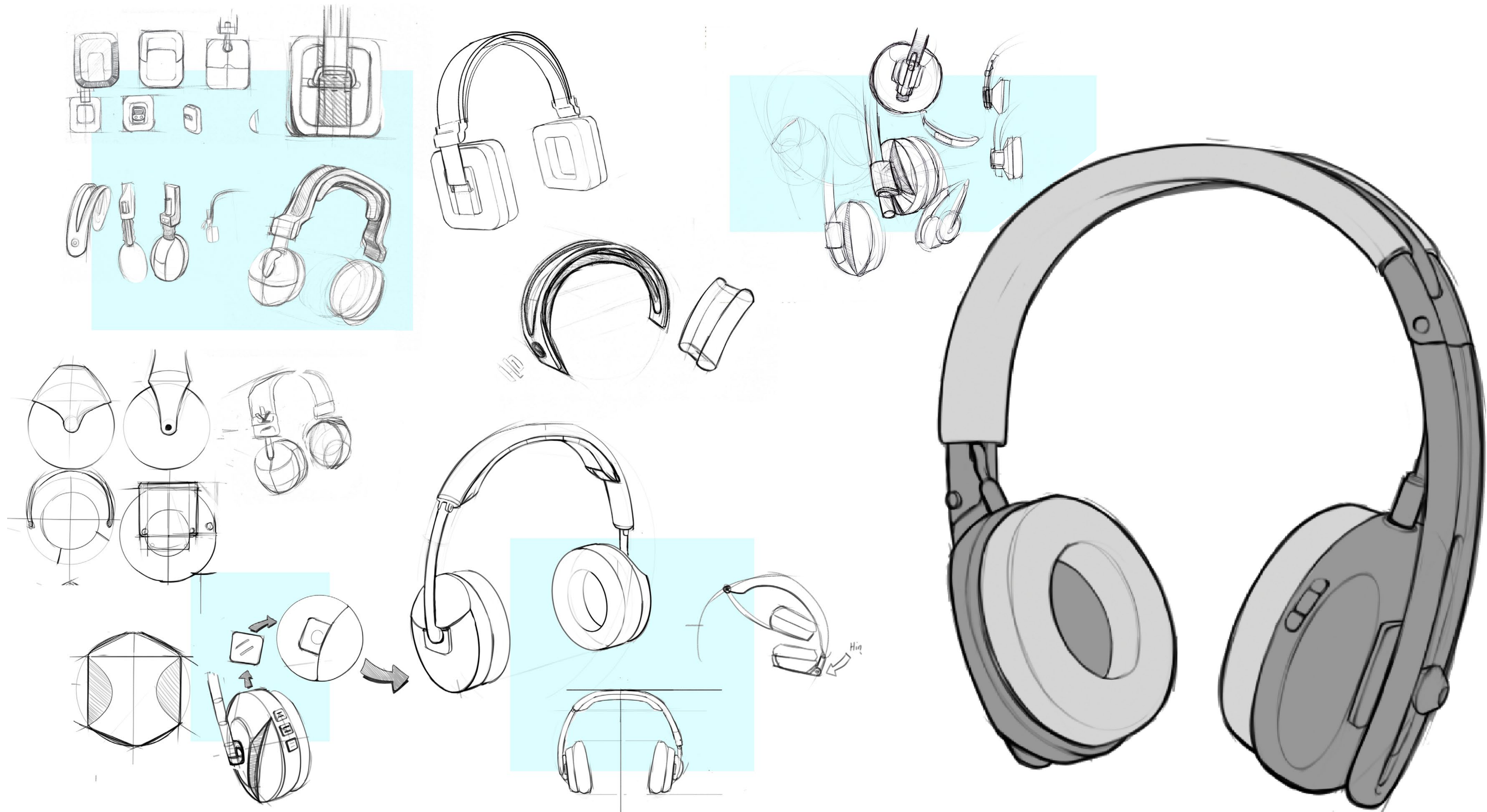
Transparency mode

Noise canceling allowing wearer to be aware of surroundings

Directional MEMS Microphone

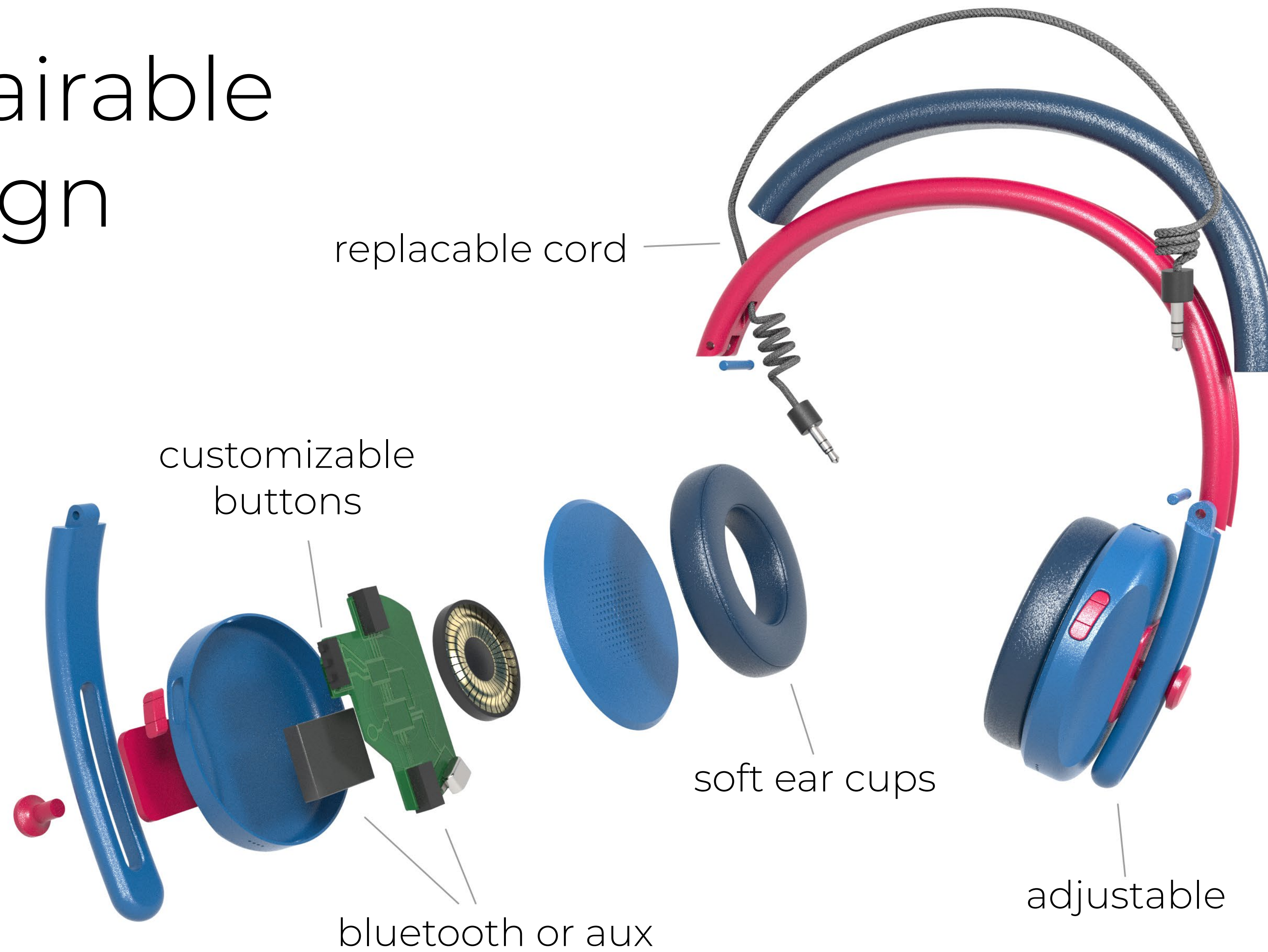
Detects directional noise and keeps







Repairable Design





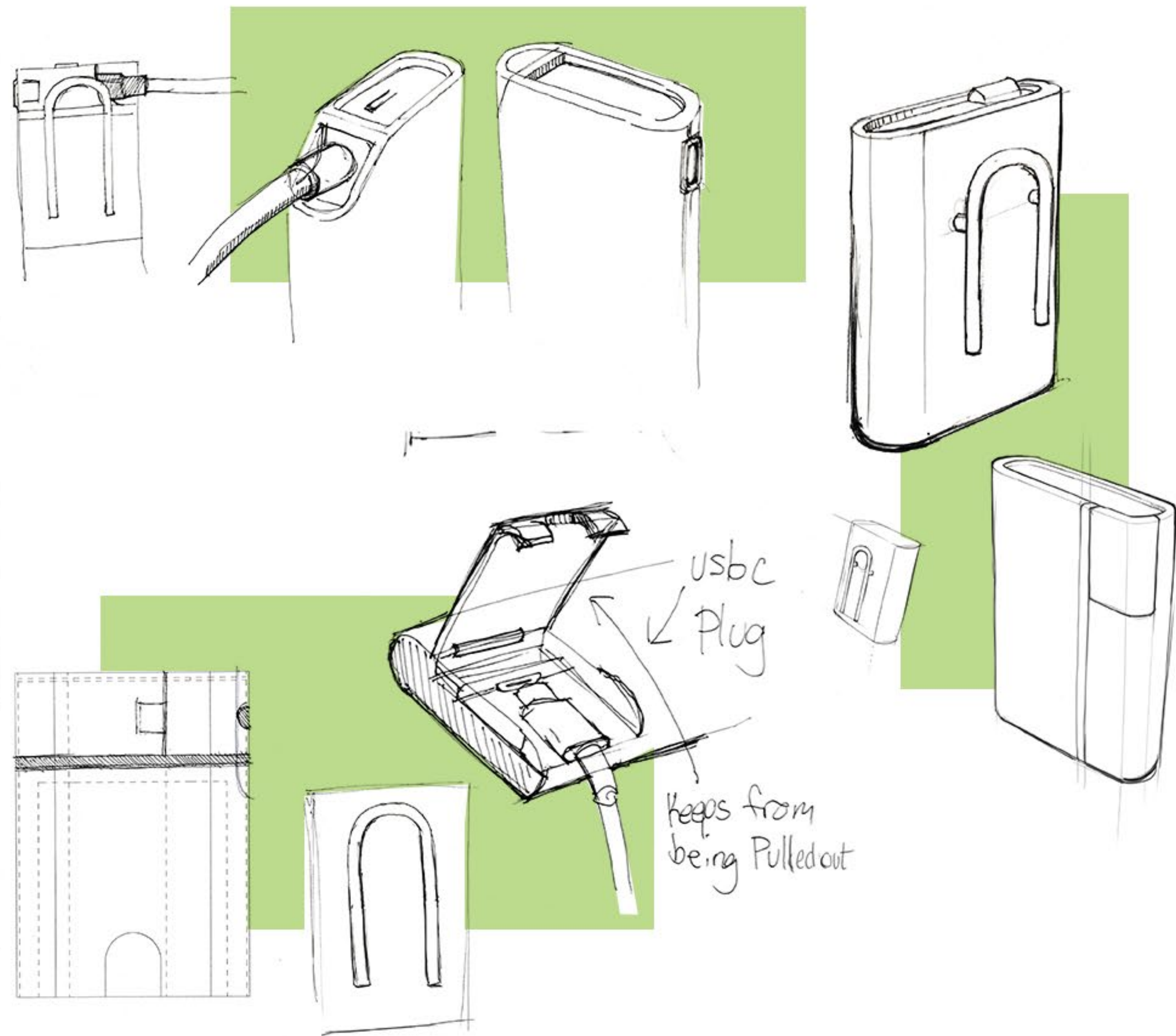
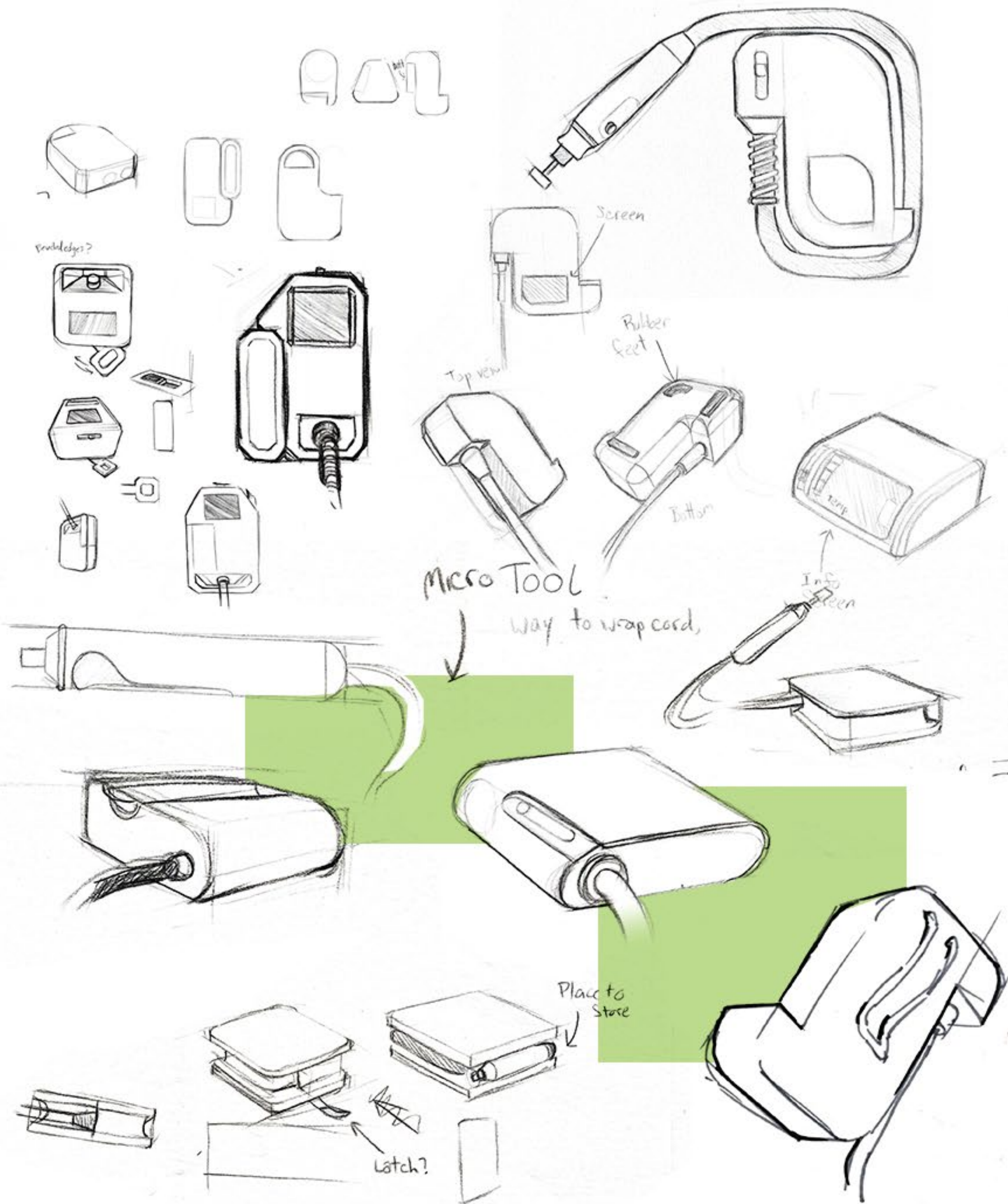
PiKUG
Rotary tool

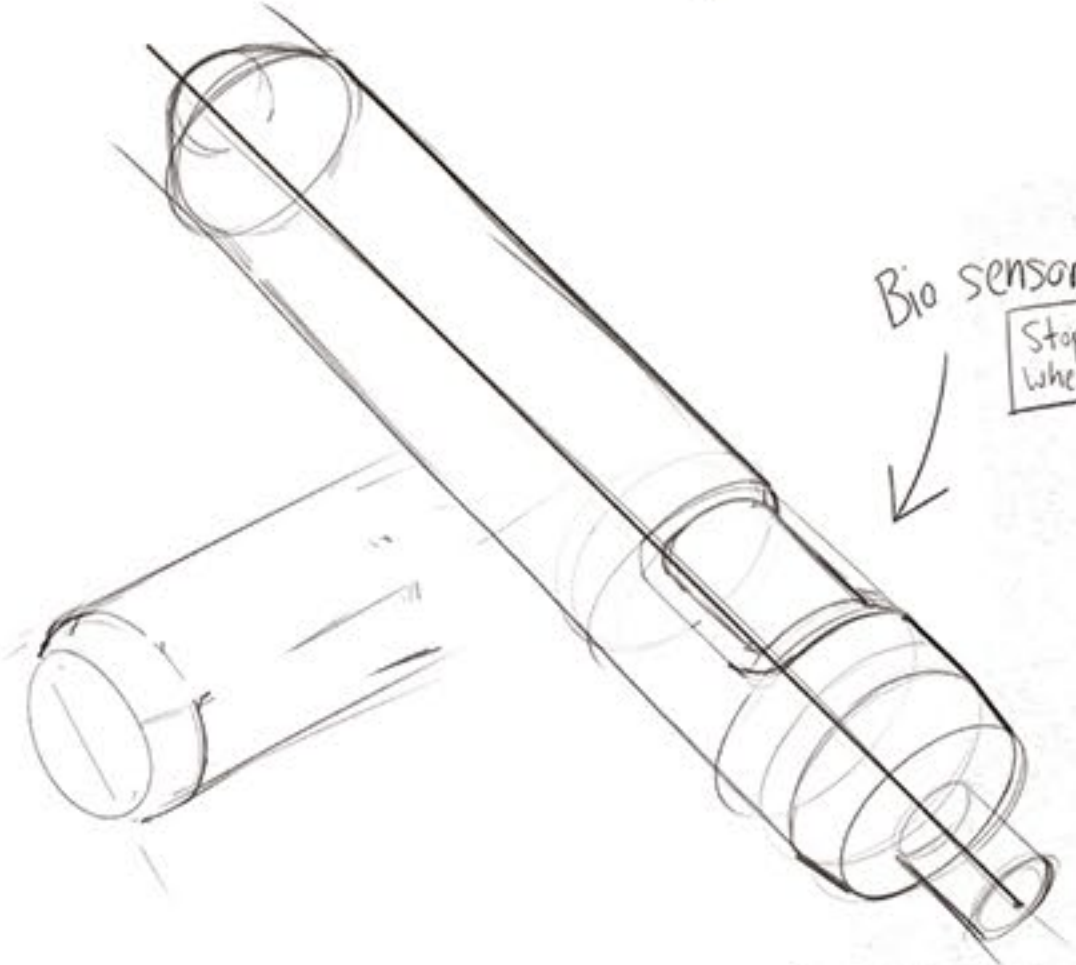
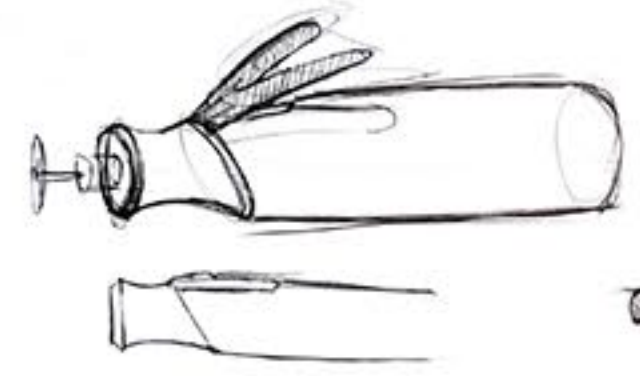
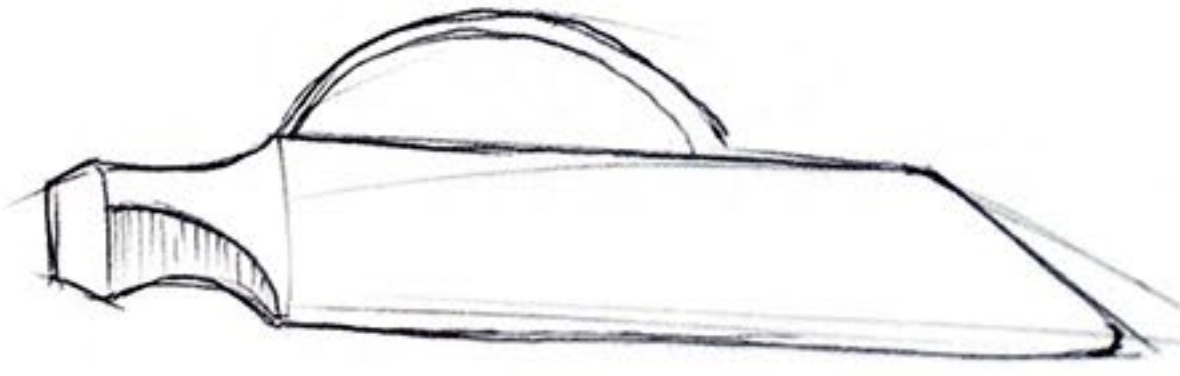
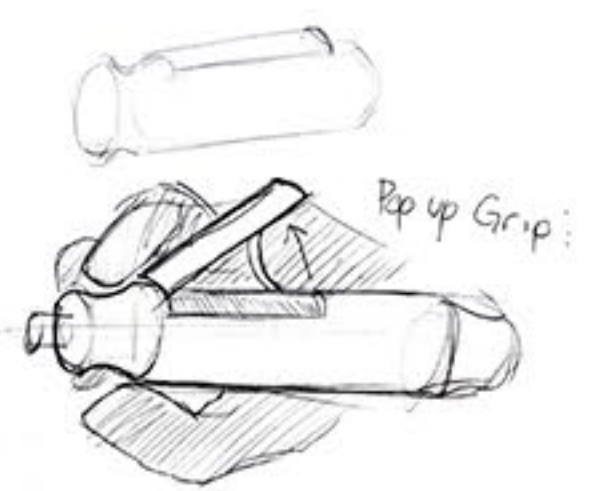
Picus Is a rotary tool designed for beginner makers and artisans who want to become more familiar with power tools



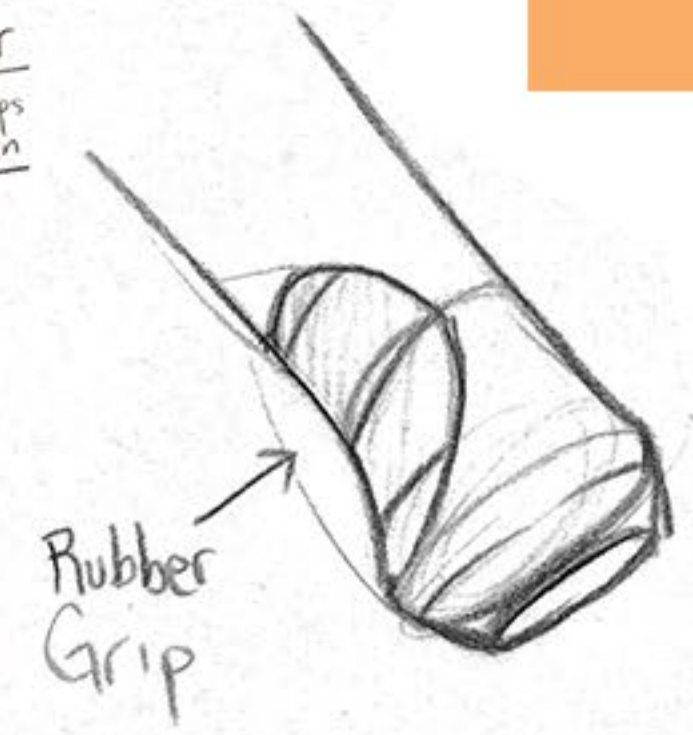
Project Focuses:

Portability
Ergonomics
Flexability

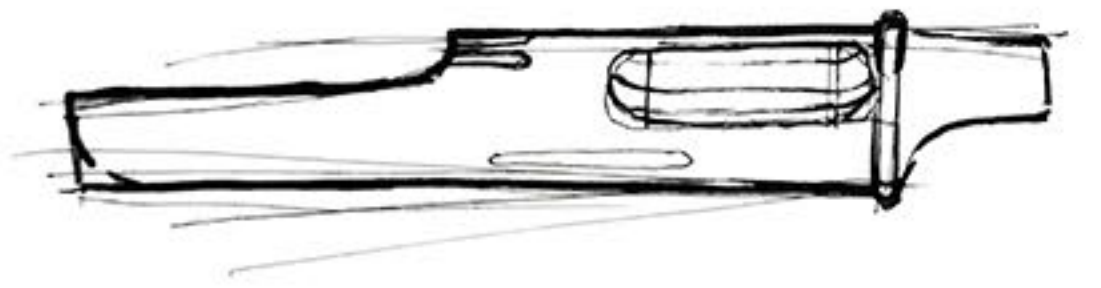
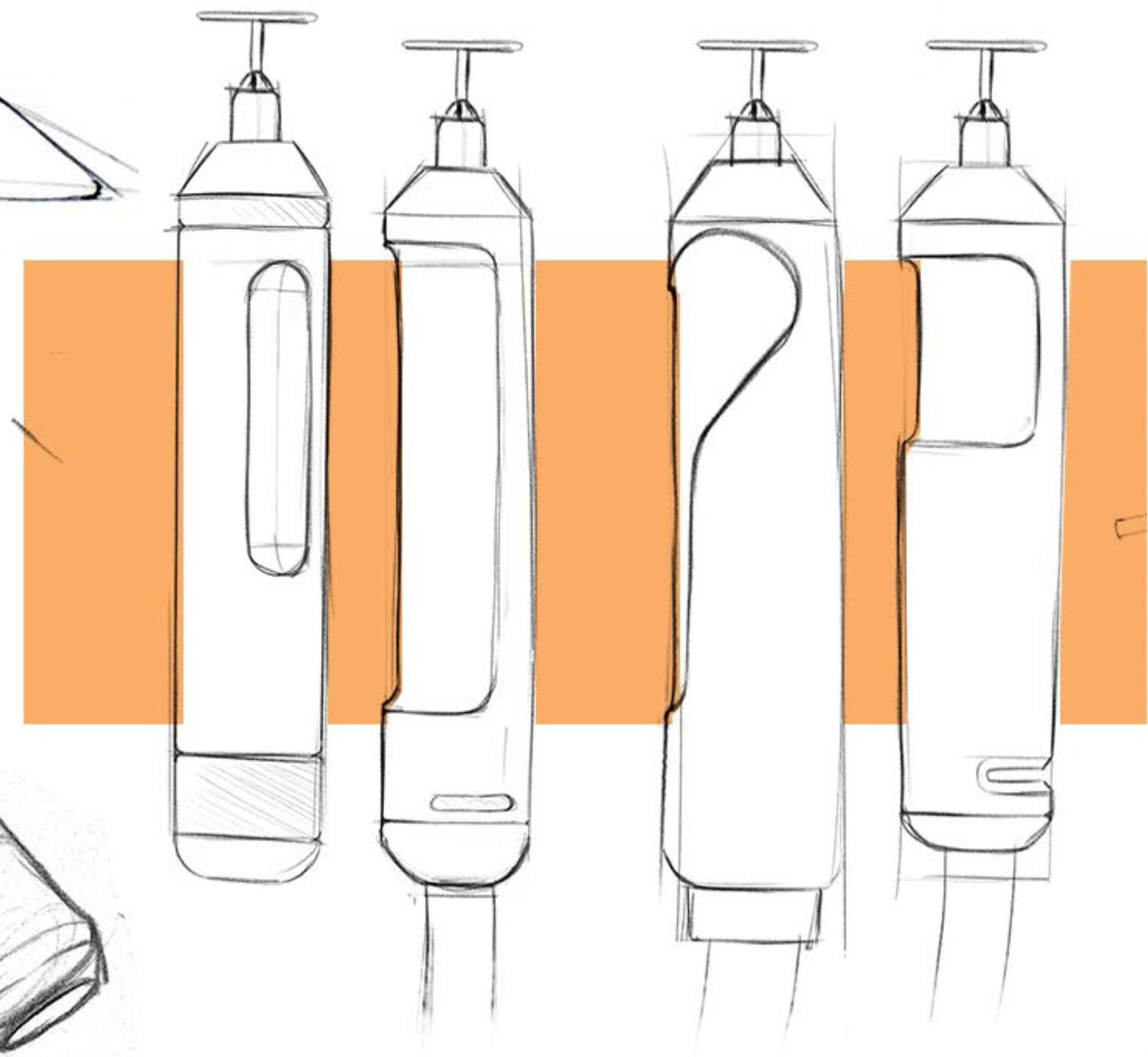




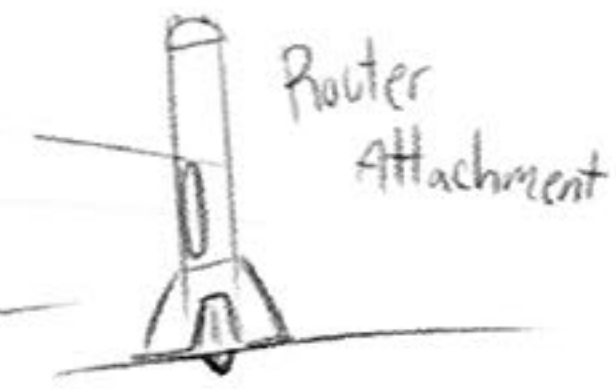
Bio sensor
Stops When



Rubber Grip



Clamp attachment

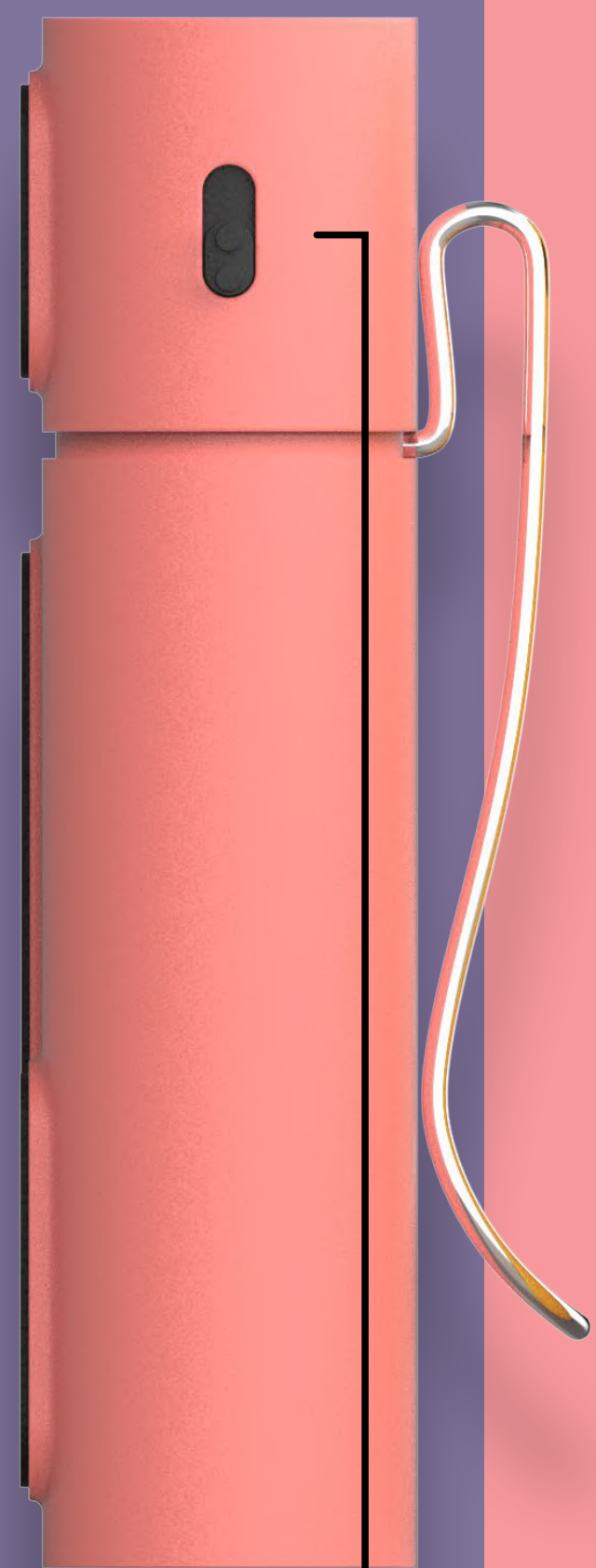


Router Attachment

ABS plastic

rubberized coating

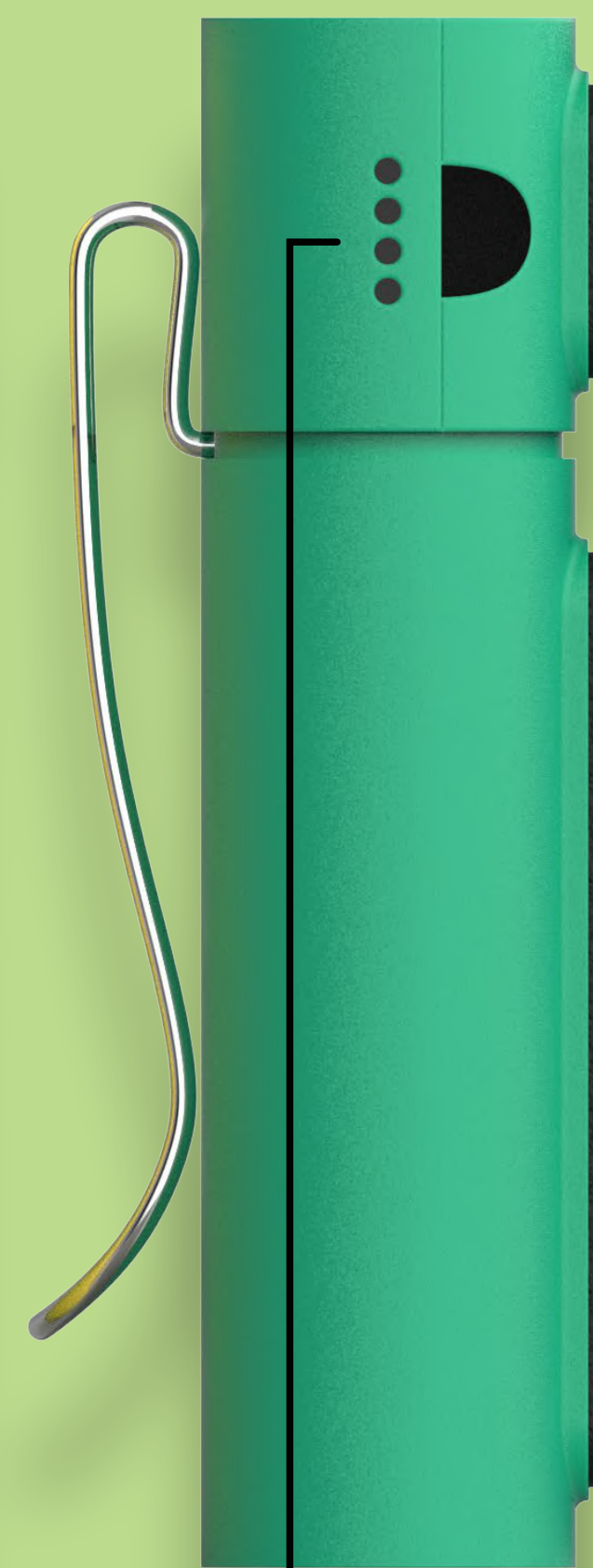




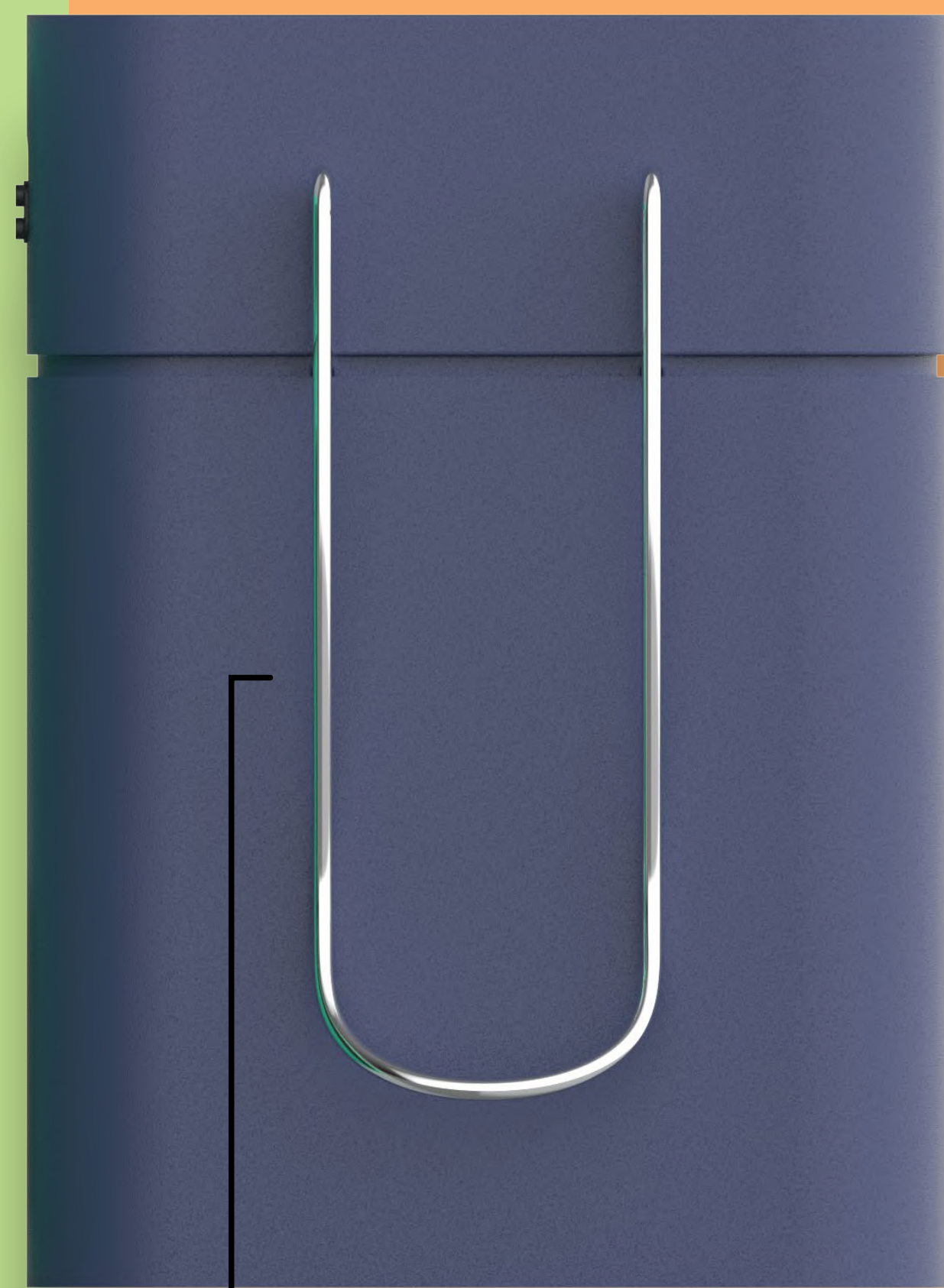
safety lock



rubber grips



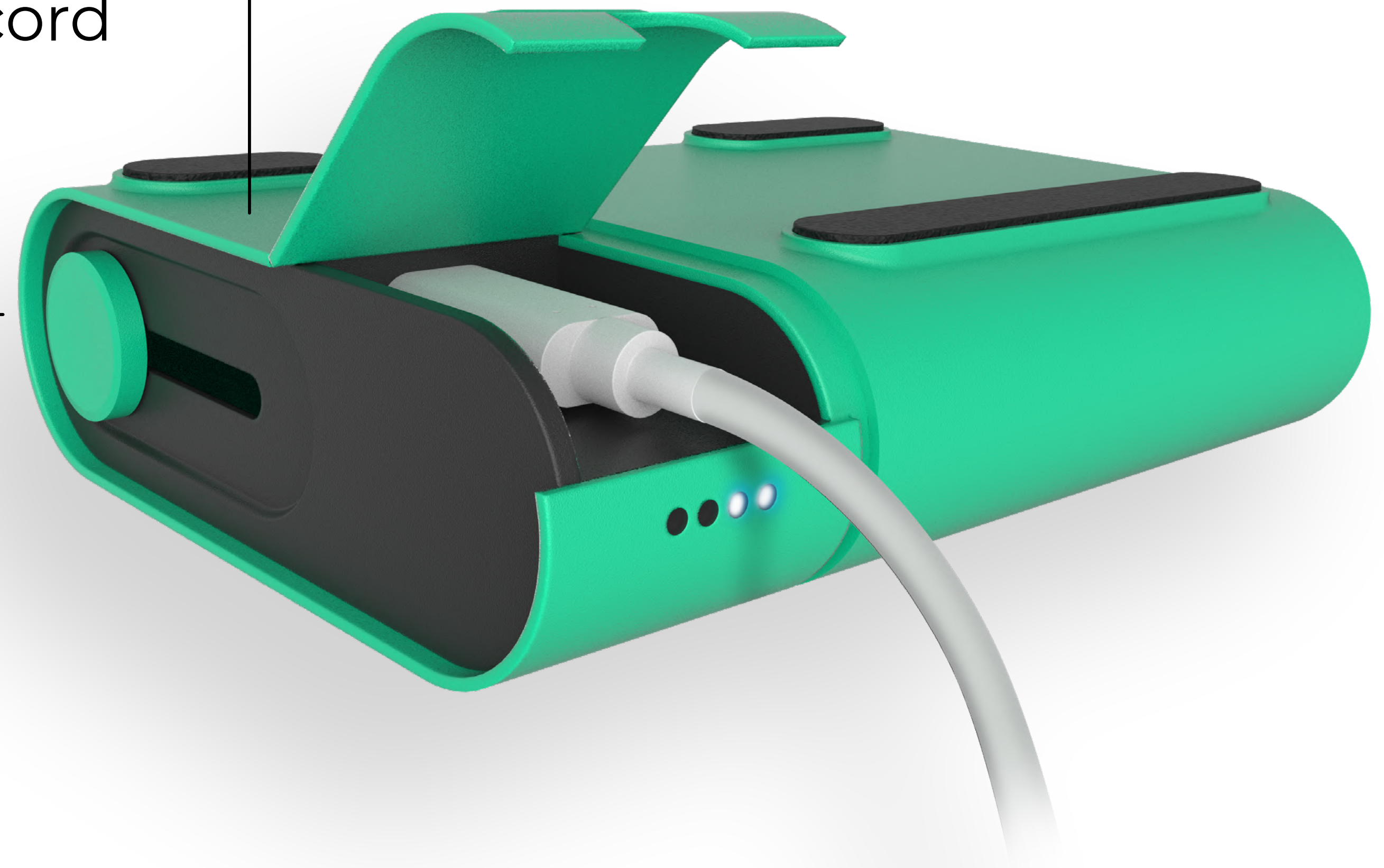
battery
indicator



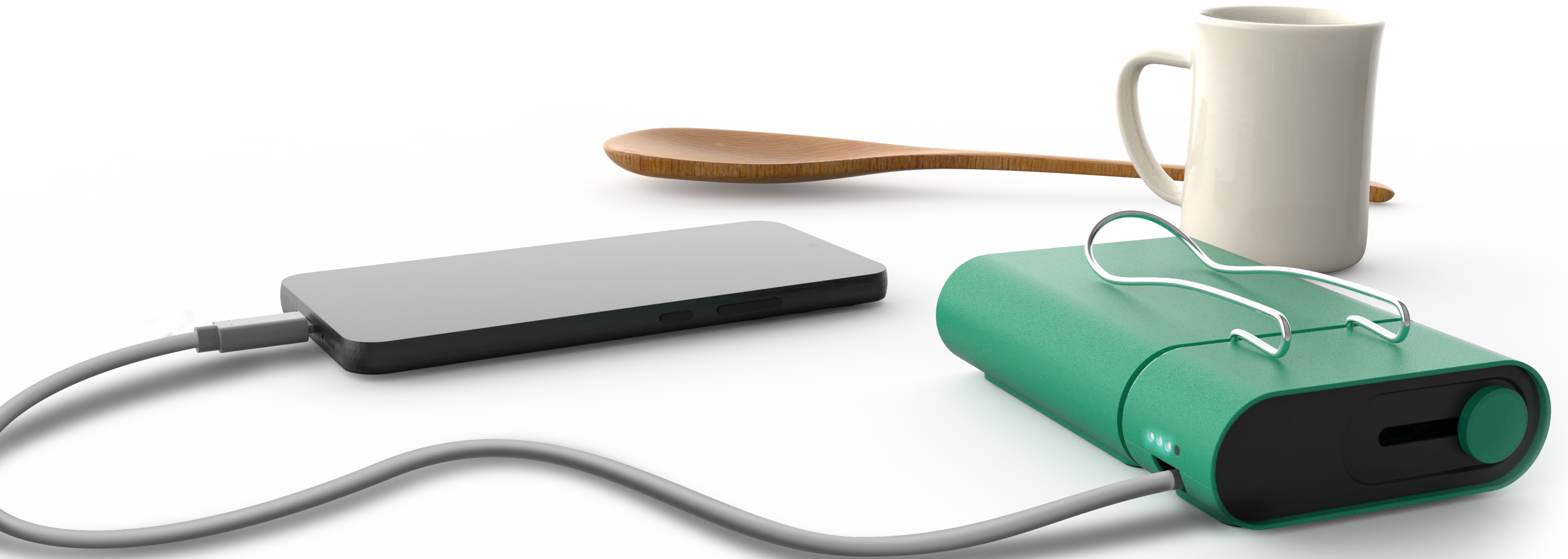
stainless
steel clip

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 thier submission.

challenge:

Concept Game Console



