

This portfolio was designed
in Nottingham, United Kingdom
on January 2023
by Julian Hall



Selected works from 2022/23.
Julian Hall.

Check me out here:

Instagram @julianhalldesign

YouTube @juliansprojects1062

Website www.julianhall.design



Hello! I'm Julian,

a second year student at Nottingham Trent University, where I am fulfilling my passion for product design. I love to learn new skills and I'm always enthusiastic to expand my knowledge.

I take a unique and unconventional approach to design, always striving to think outside the box and challenge conventional design norms.

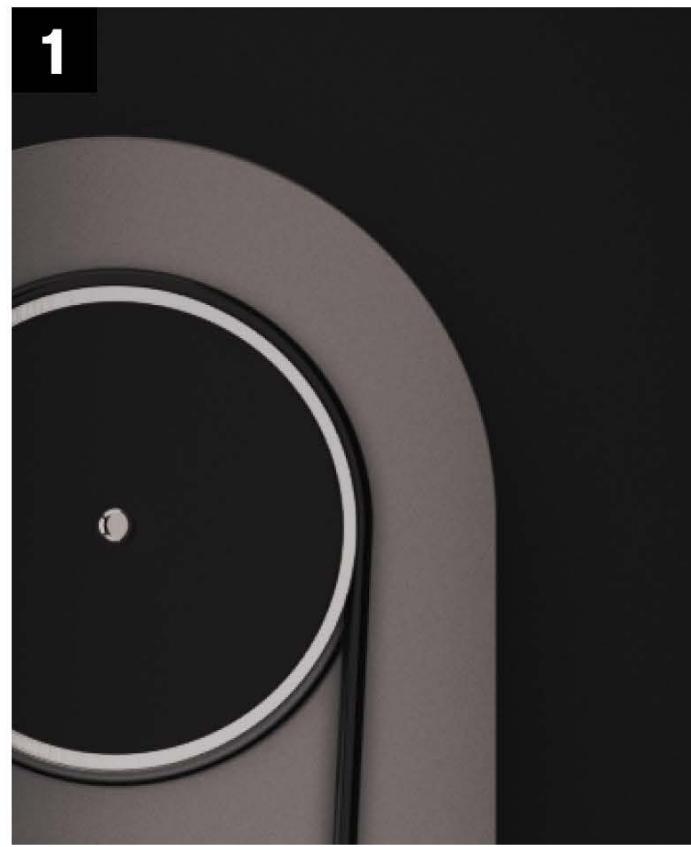
Aside from being a designer, I am also an outdoors enthusiast where I enjoy hiking, climbing and wild camping. I also enjoy photography as well as watchmaking, where I build and repair watches in my free time.

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Contents of my portfolio

Projects from 2022/23



REVOLVR | Record Player



Vue SplitBox | Popcorn Box



FryAgain! | Oil Storage

Intro

Inspiration

Sketch

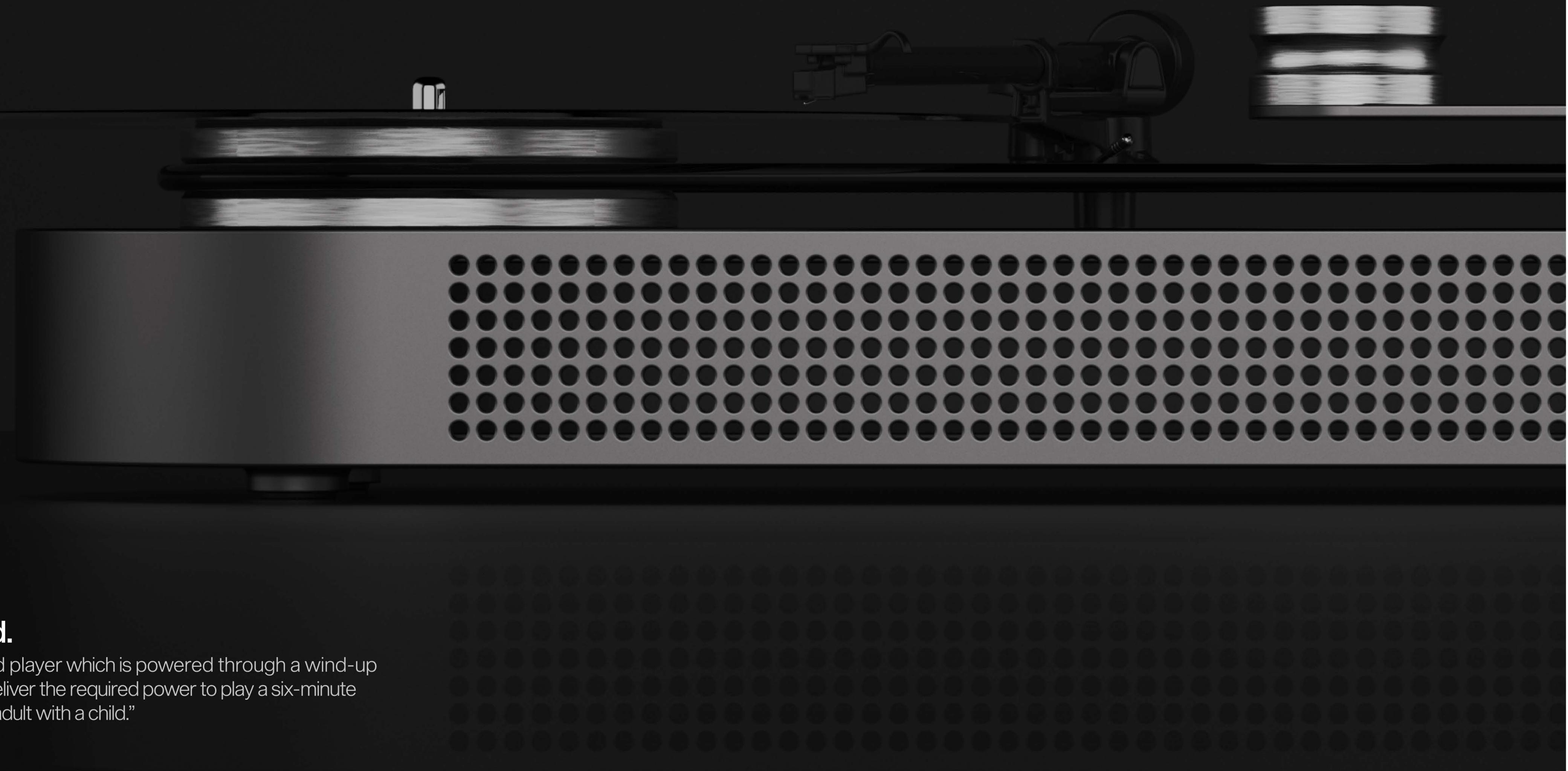
Prototype

Branding

UI

Putting the magic back into bedtime.

Studio Hiraeth is a start-up company seeking to provide parents with an alternative to the screen-based media that currently dominates children's lives. I worked with them and British audio manufacturer Rega over the course of 4 weeks, where we looked into innovative ways to deliver a magical story-based bedtime experience, delivered via a record player.



The task at hand.

"Design a portable record player which is powered through a wind-up mechanism that would deliver the required power to play a six-minute story track, for use by an adult with a child."

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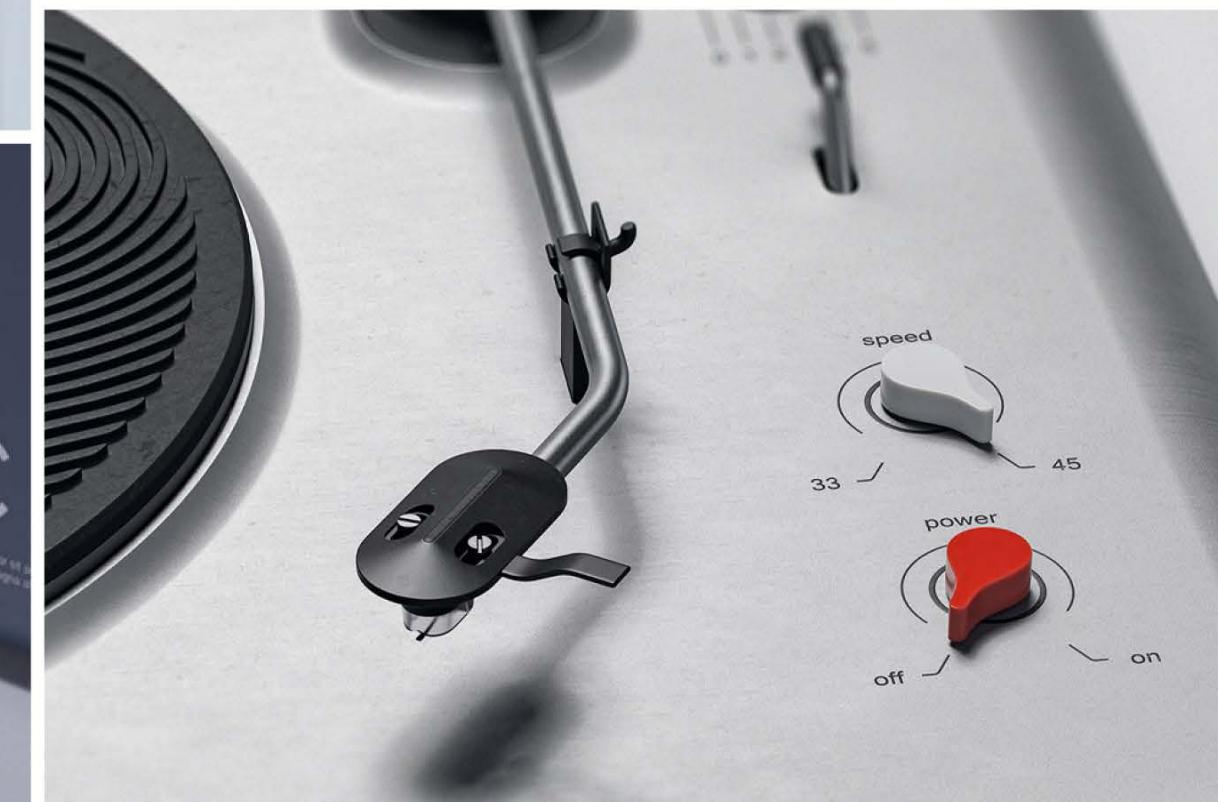
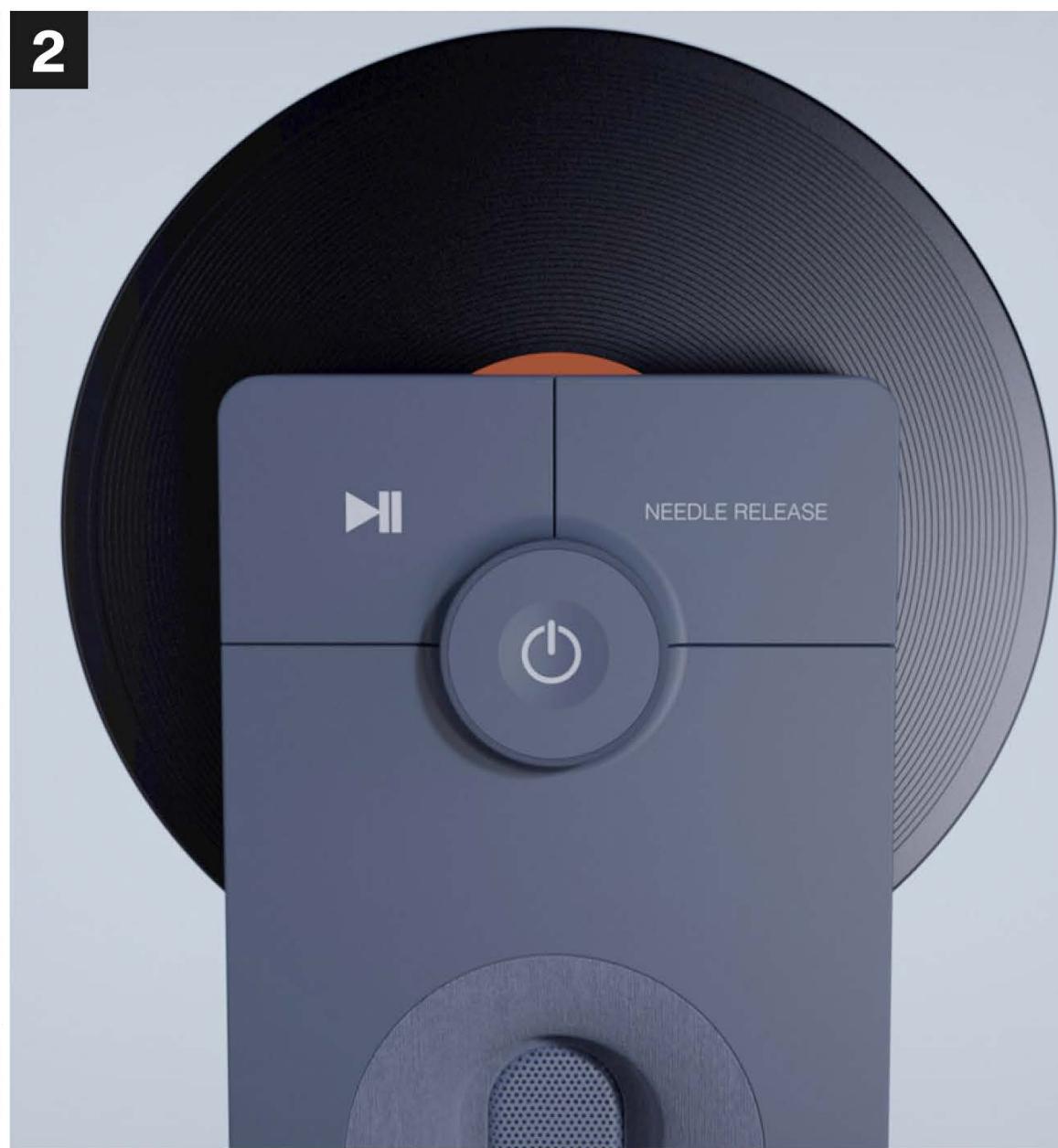
Sketch

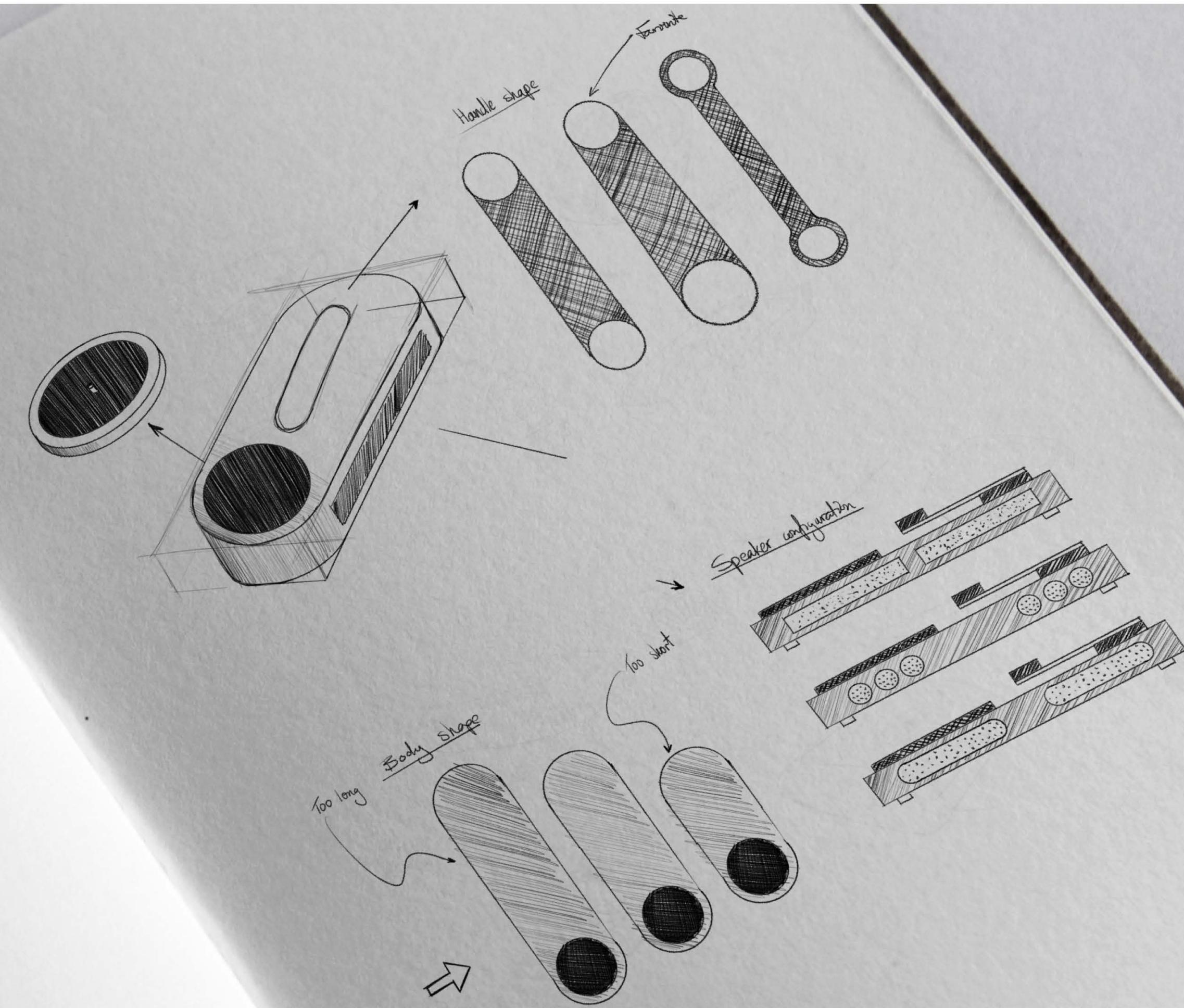
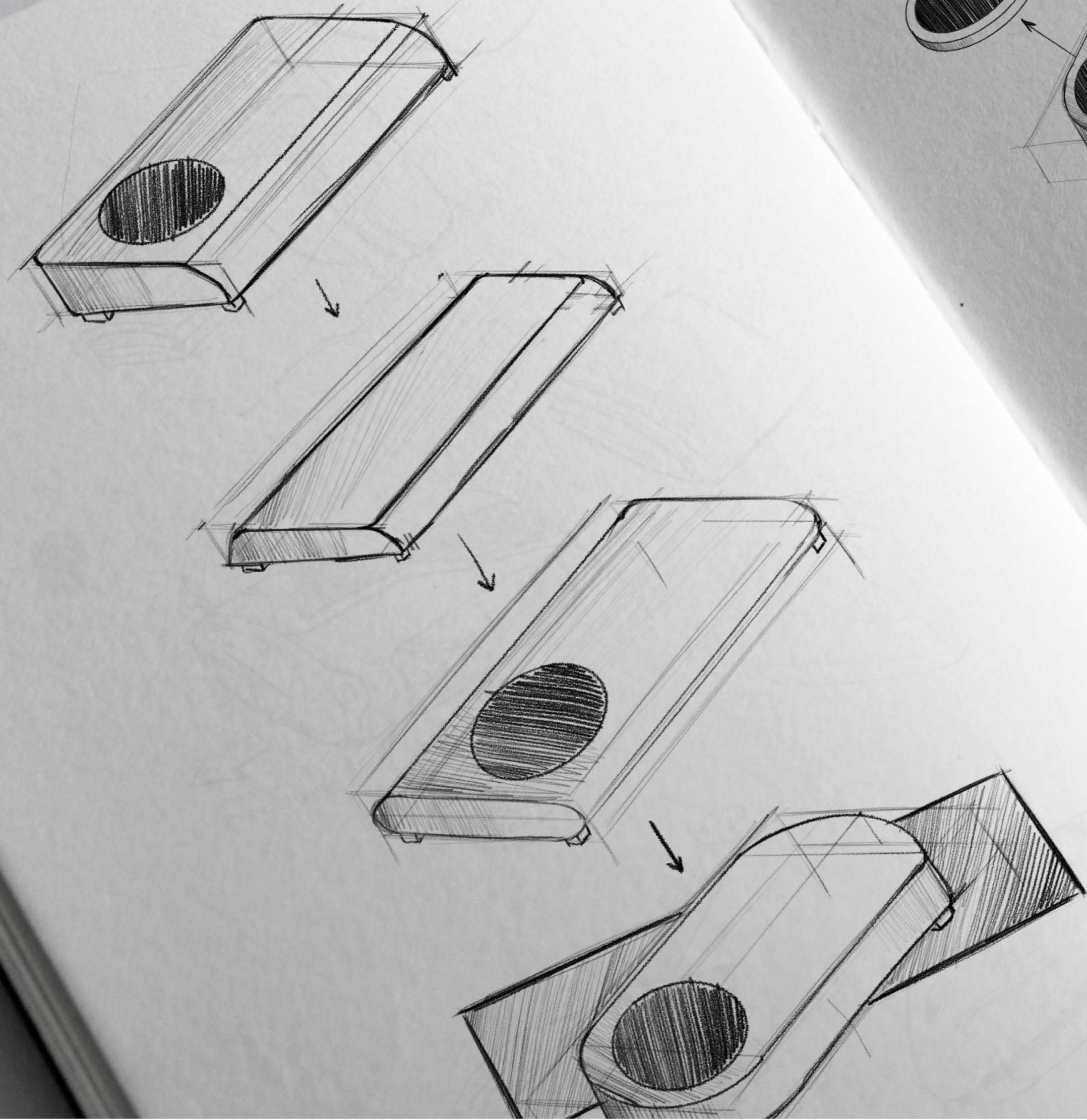
Prototype

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1. Wall-mounted record player by Oscar Olsson
2. Asenso vertical record player by Daniel Visintainer
3. Supersonic record player by Rod Romantsov
4. Vertical record player by Josh Schwefel





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Bringing the concept to life.

I used recyclable foamboard to quickly manufacture an accurate model of the product. I then used the physical model to inform my design decisions during the CAD process.



Rethinking the brand.

I redesigned Studio Hiraeth's logo to make it more suitable for their target market. To do this I included:

- A smiley face incorporated into text, portraying a child-friendly brand.
- Rounded corners, not as striking.
- A softer font, more approachable.

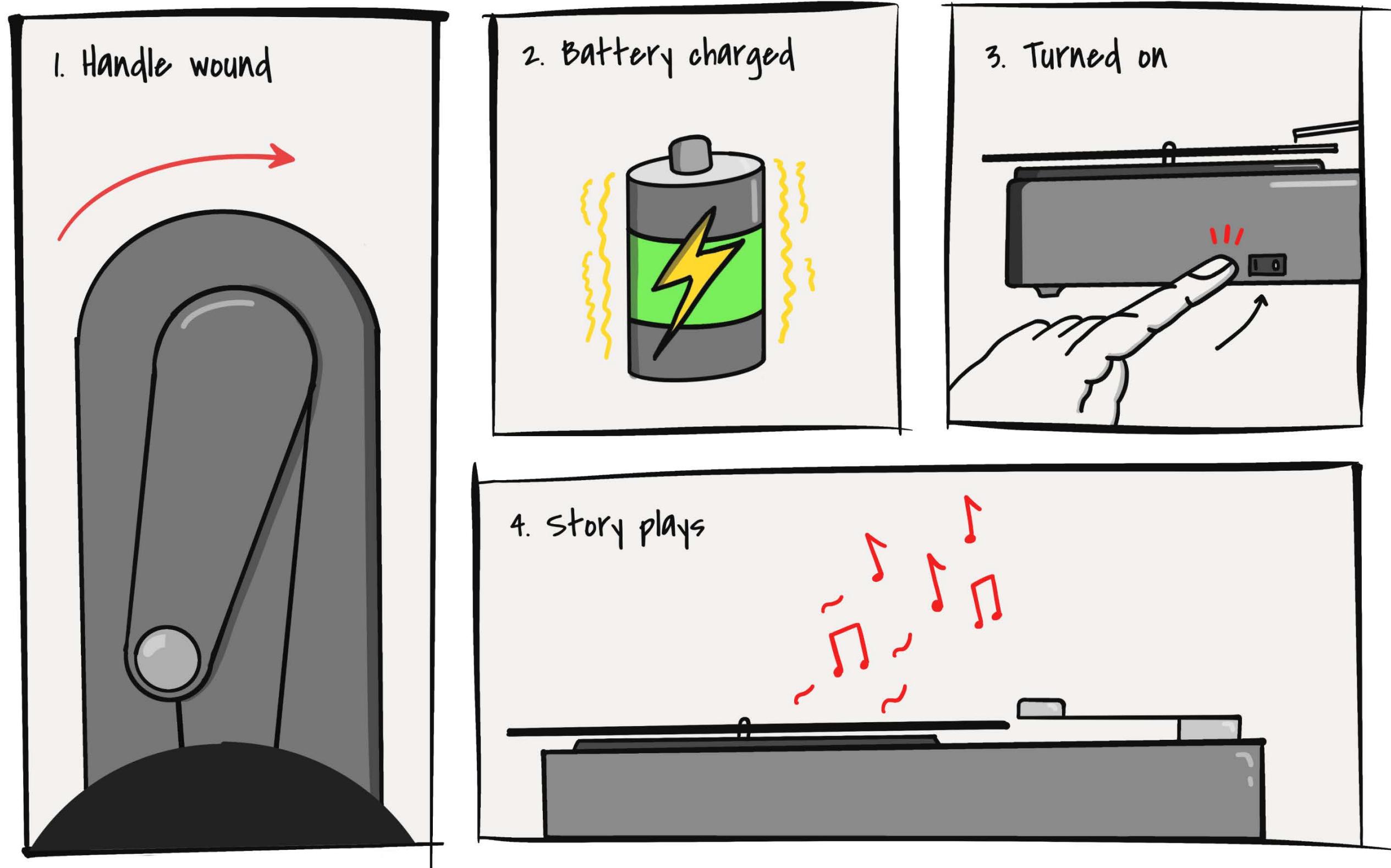
STUDIO HIRAETH



STUDIO HIRAETH

Using the product.

A storyboard was created to visually explain the user interaction of the product.

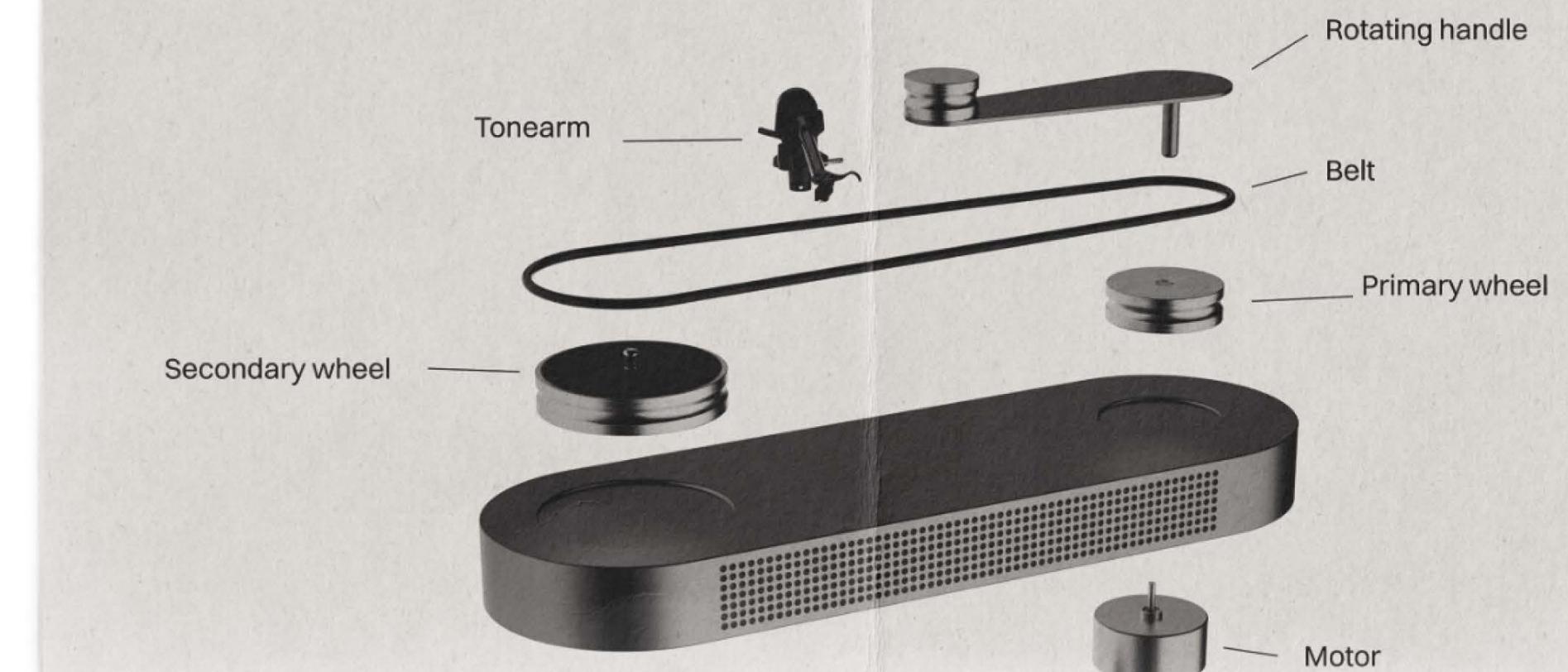


Material

Aluminium 6061

Manufacture

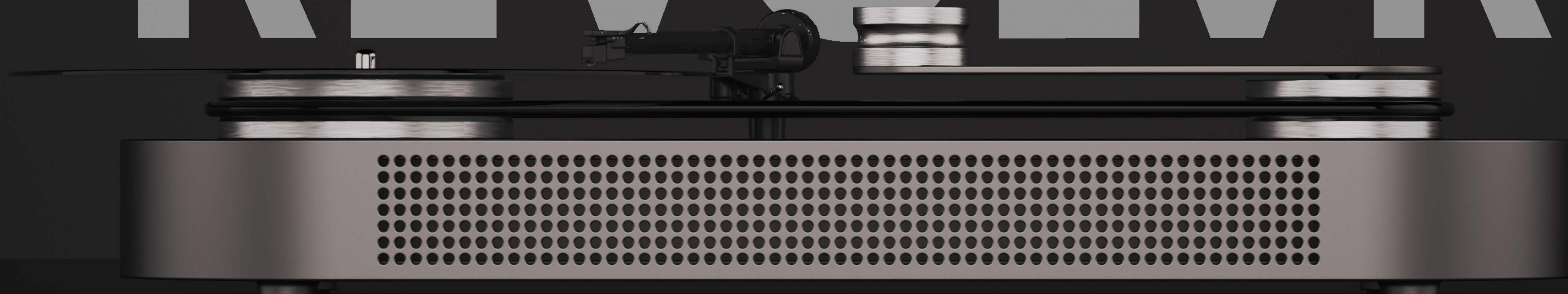
Casting & milling



Part Name	Material	Amount Used (g)	Material Cost (£kg)	Part Cost
Foot x 4	Rubber	3.36	1.12	0.0037
Pulley (small)	6061 Aluminium	75.5	3.26	0.25
Pulley (large)	6061 Aluminium	184	3.26	0.60
Top casing	6061 Aluminium	850	3.26	2.77
Bottom casing	6061 Aluminium	685	3.26	2.23
Handle	6061 Aluminium	33.9	3.26	0.12

STUDIO HIRAETH

REVOLVR



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The task at hand.

"Design a sustainable packaging solution that aids a shared social interaction with a responsible use of packaging materials."



Re-inventing the sharing experience.

Many of us share popcorn at the cinema, however, the problems associated with it are regularly overlooked. From fighting over the box, to hands getting in the way, surely there is a much easier way to share popcorn without all the hassle?

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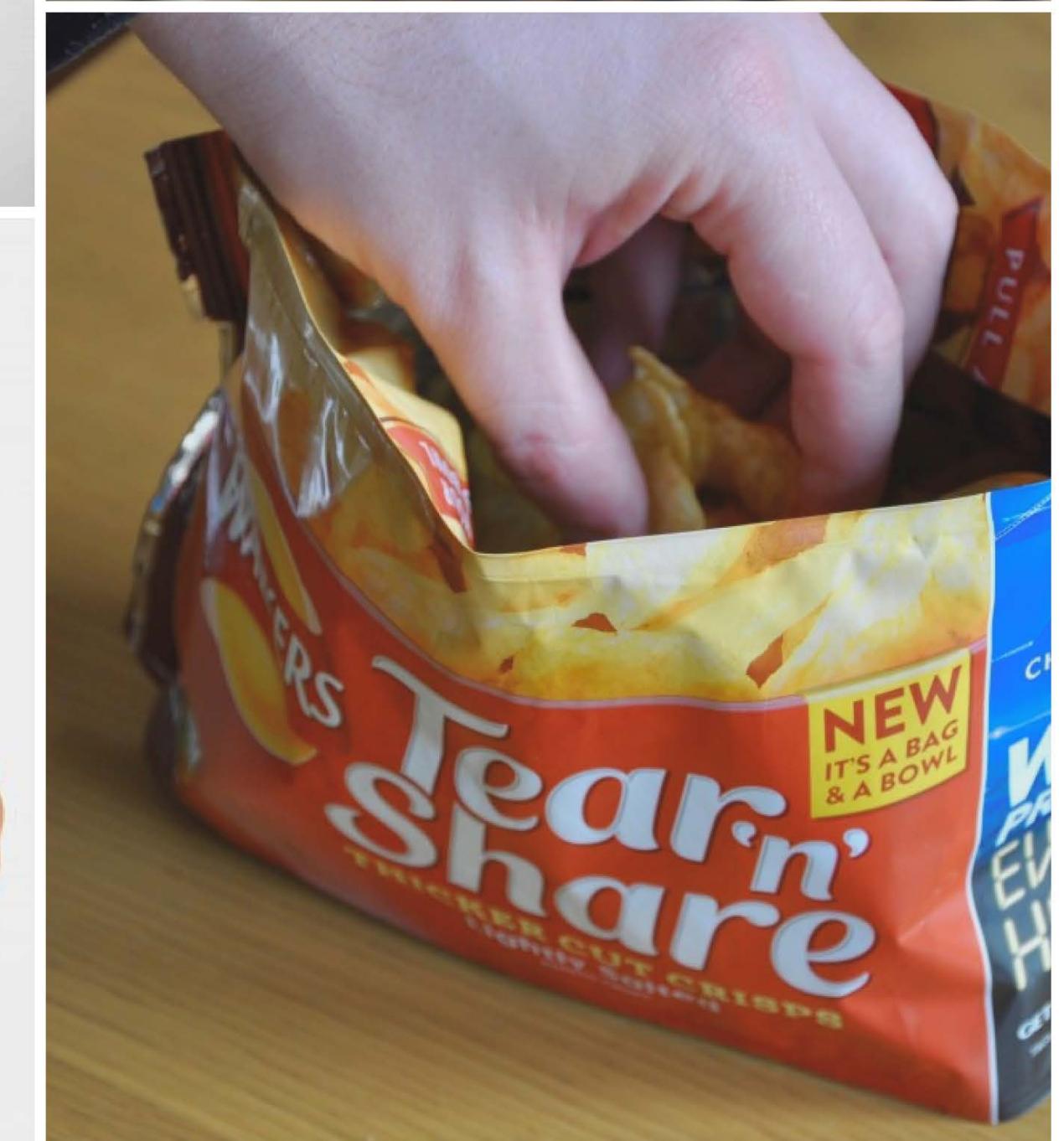
Prototype

UI

1. KitKat Senses



2. Sharing is caring campaign by Network Rail
3. Møller/Barnekow wrap packaging
4. Walkers Tear n' Share



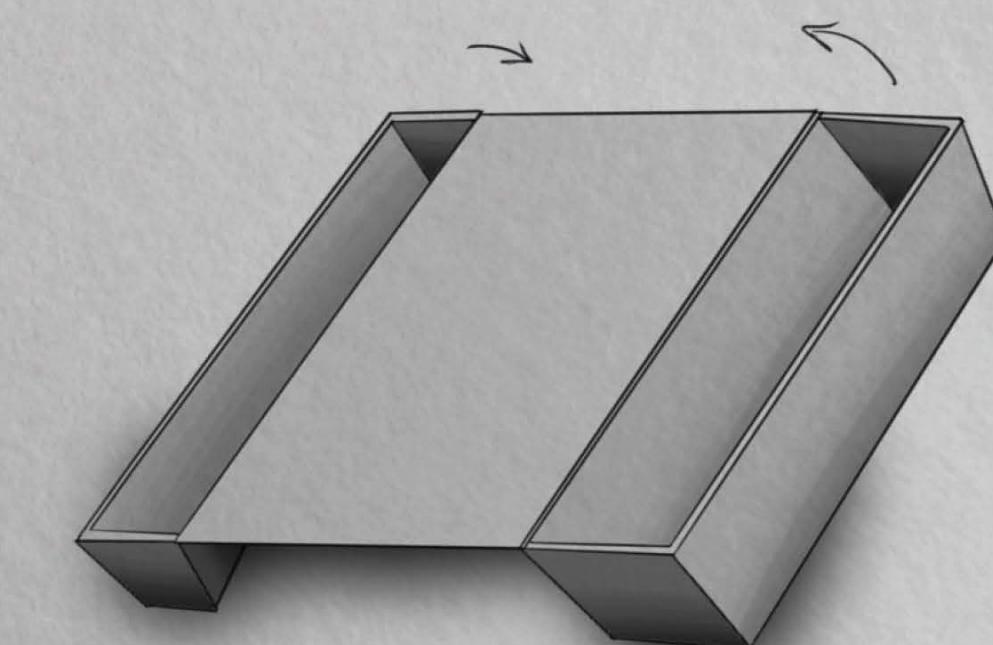
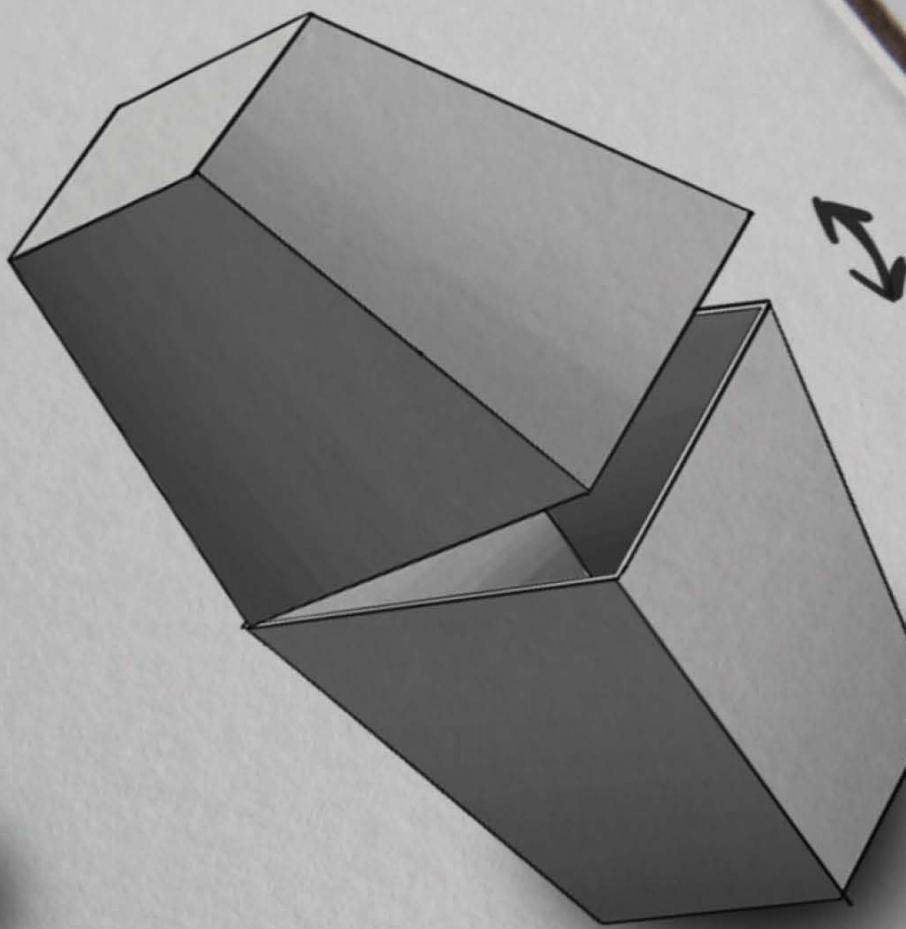
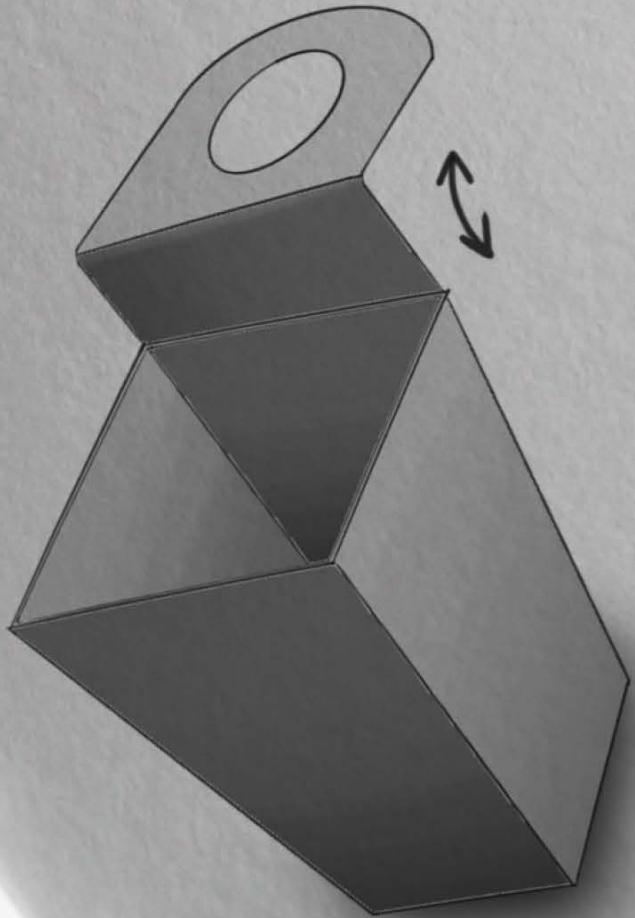
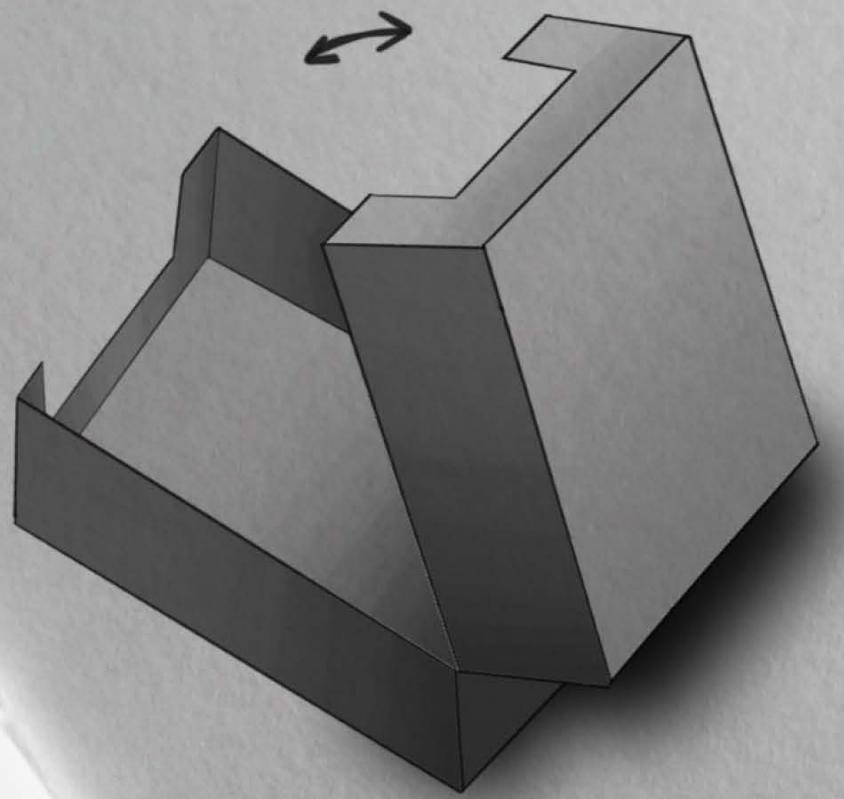
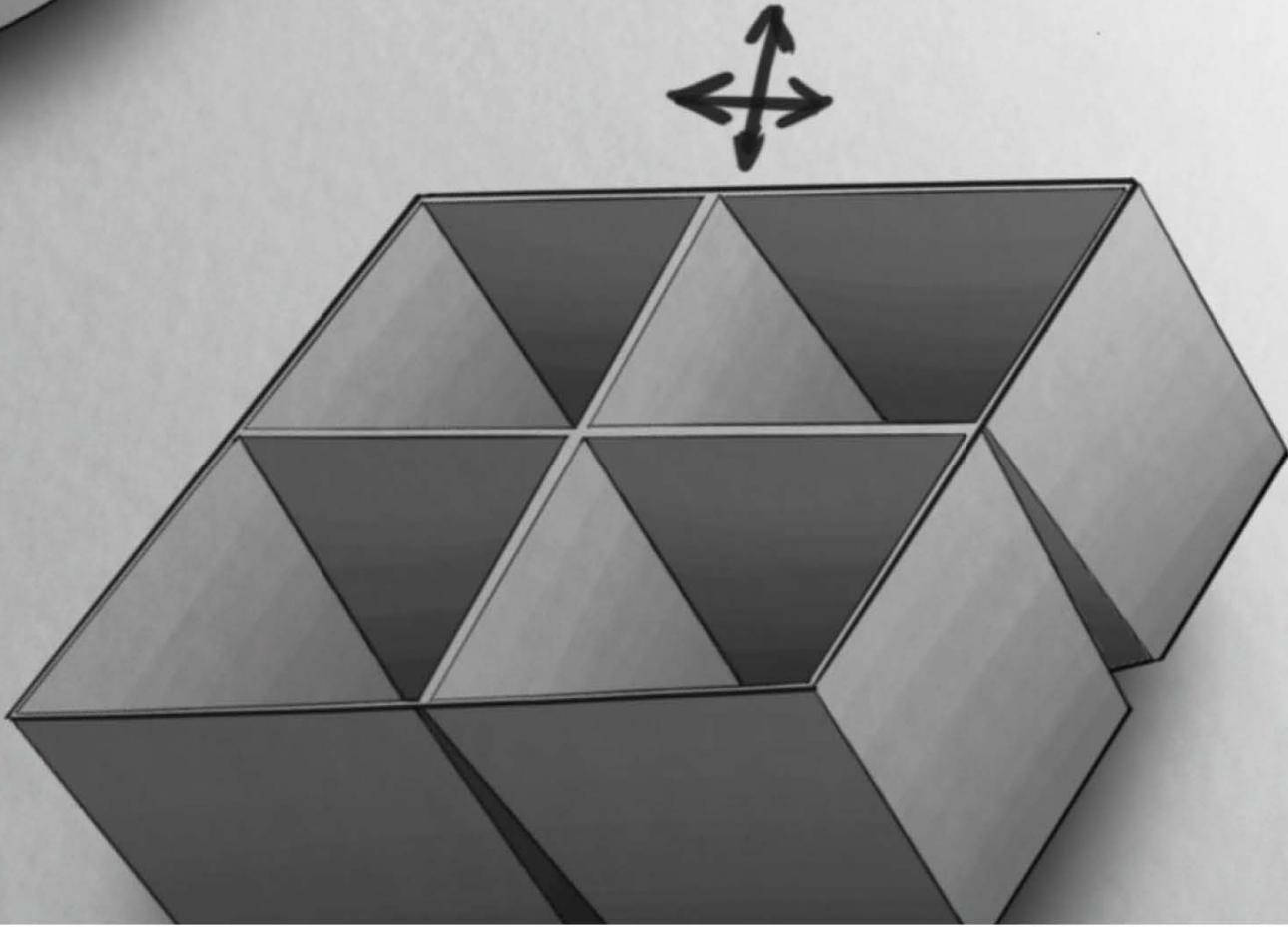
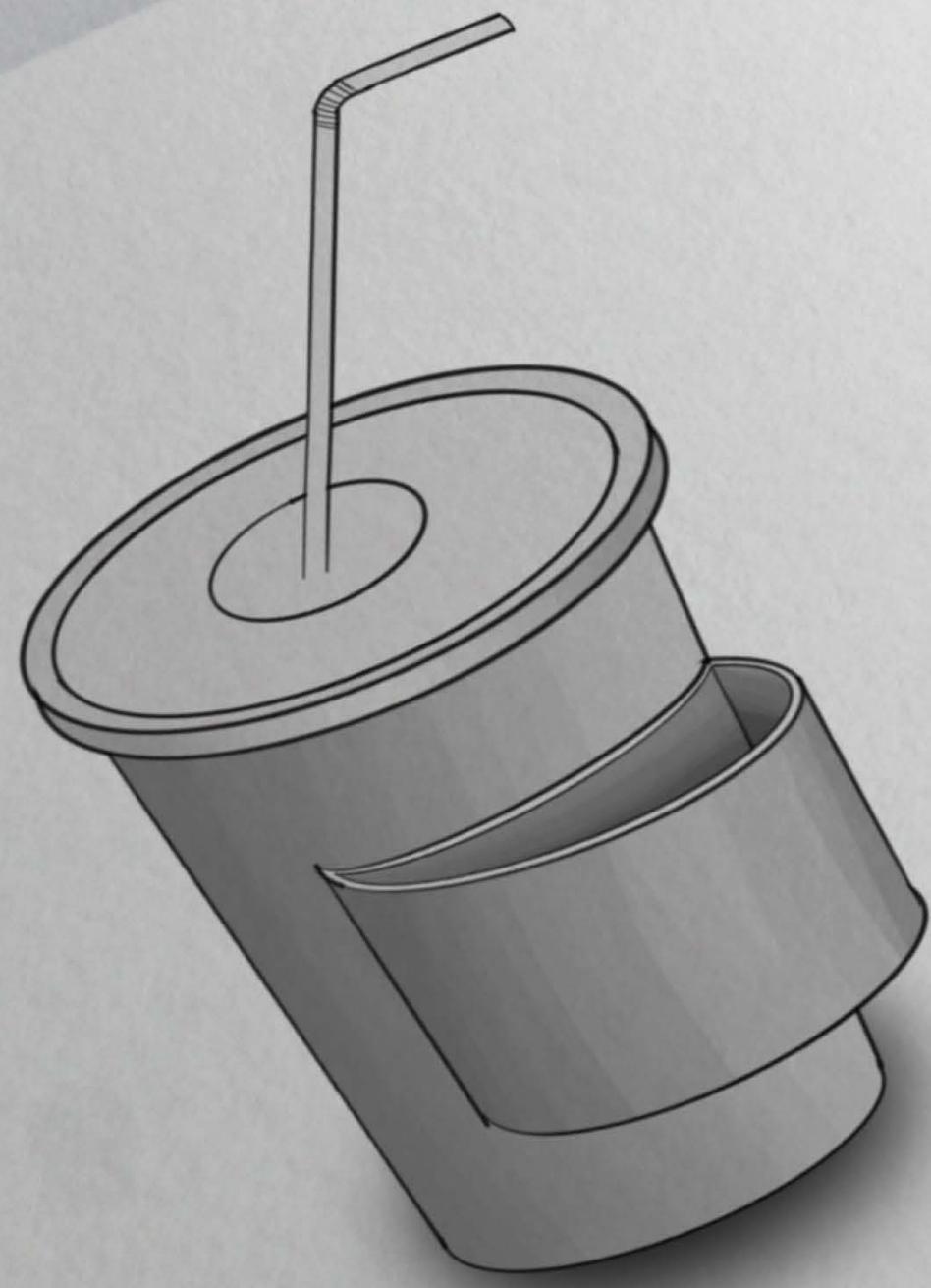
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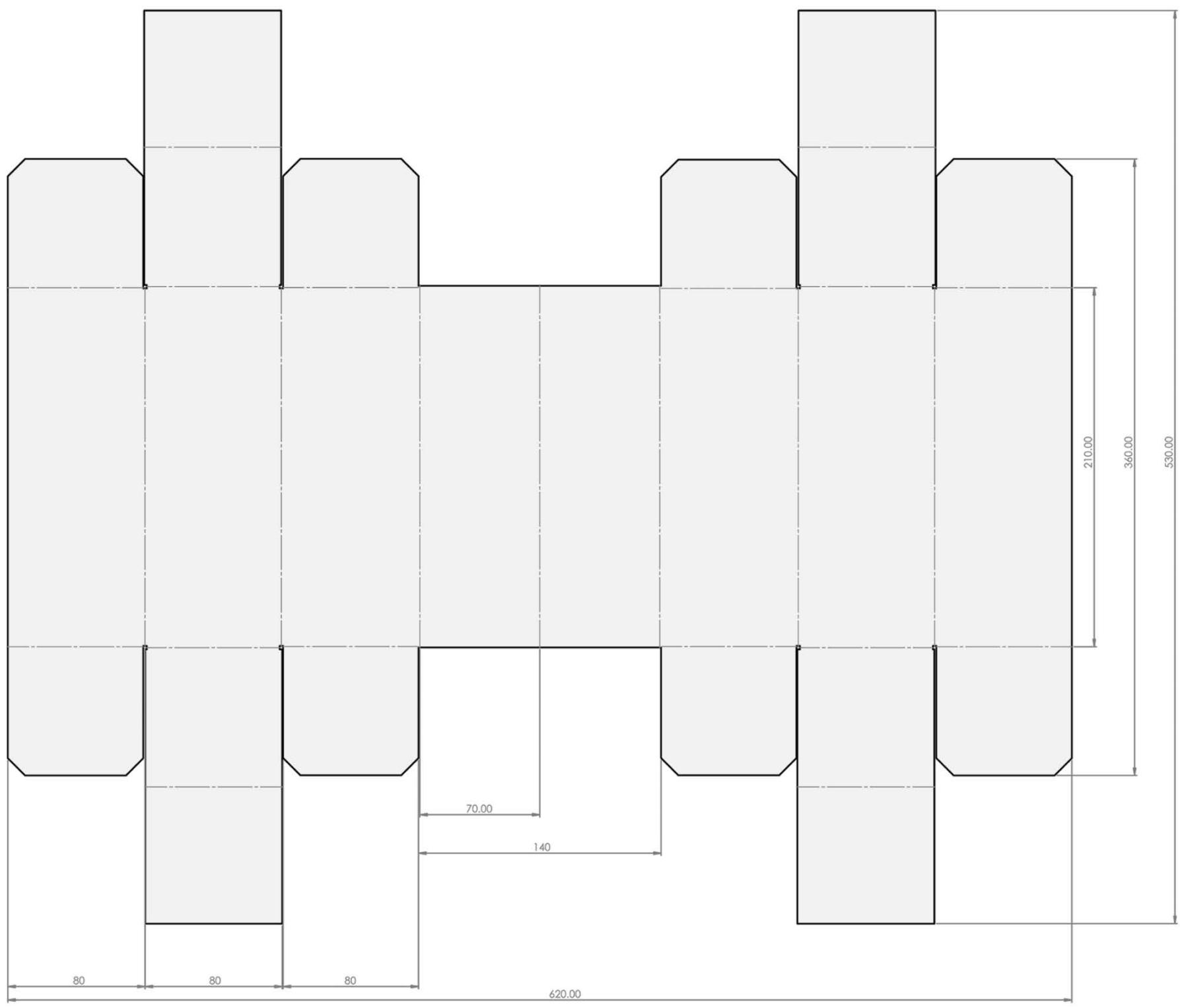
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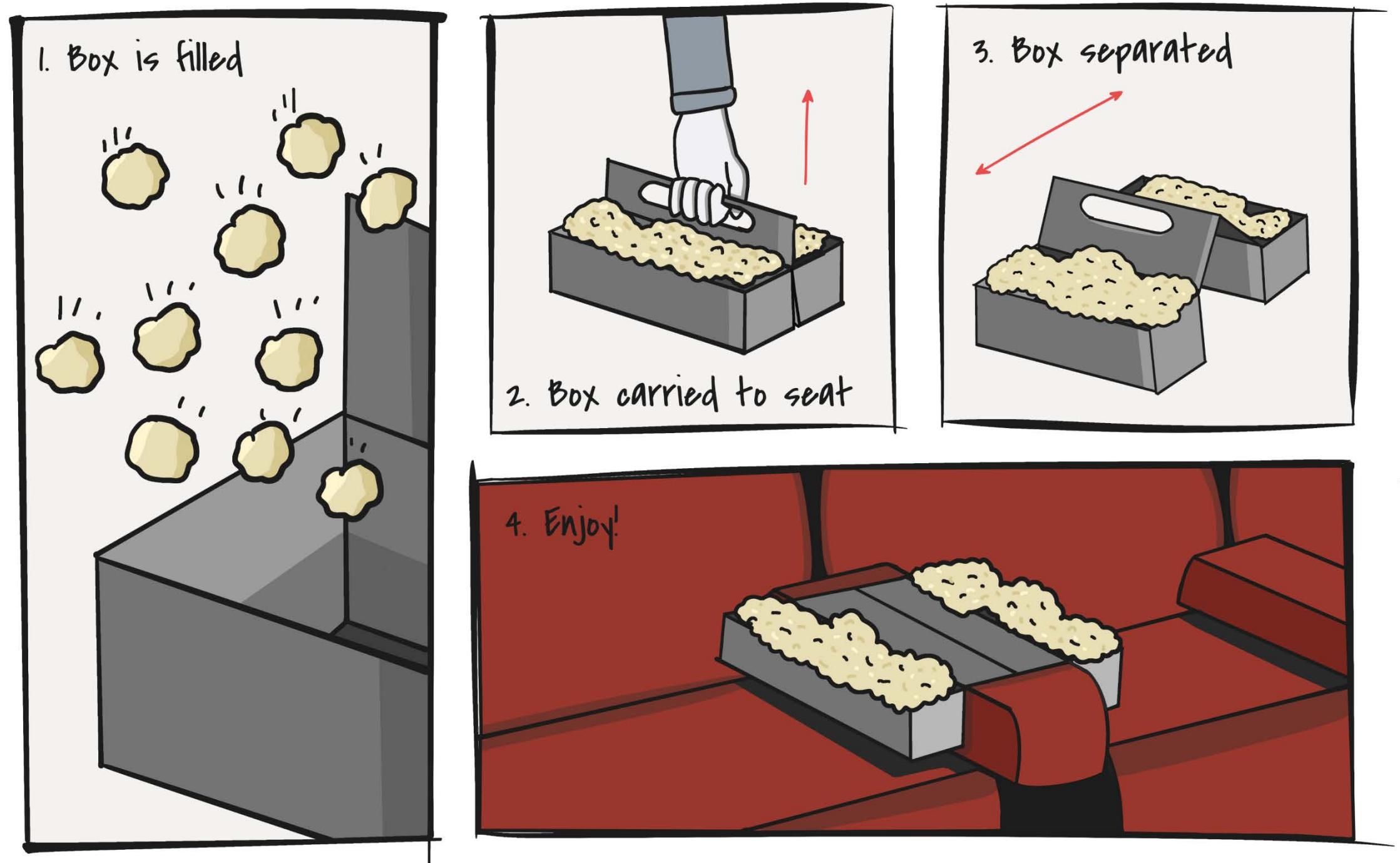
Bringing the concept to life.

I created a net to give me a guide for cutting out the model. Graphics were then applied to the net and printed onto an A1 sheet of card by a local printing company. The sheet was then hand cut and folded together.



Using the product.

A storyboard was created to visually explain the user interaction of the product.





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The task at hand.

"Design a functional item for the kitchen or bathroom that is an original concept or a significant improvement on an existing product and made mainly from plastic."



Saving the environment, one drop at a time.

Deforestation is a significant global problem, with oil crops being one of the leading causes, accounting for nearly 20% of tropical deforestation. To combat this, it is essential that we prioritize the reuse of oil to reduce the negative impact on our environment.

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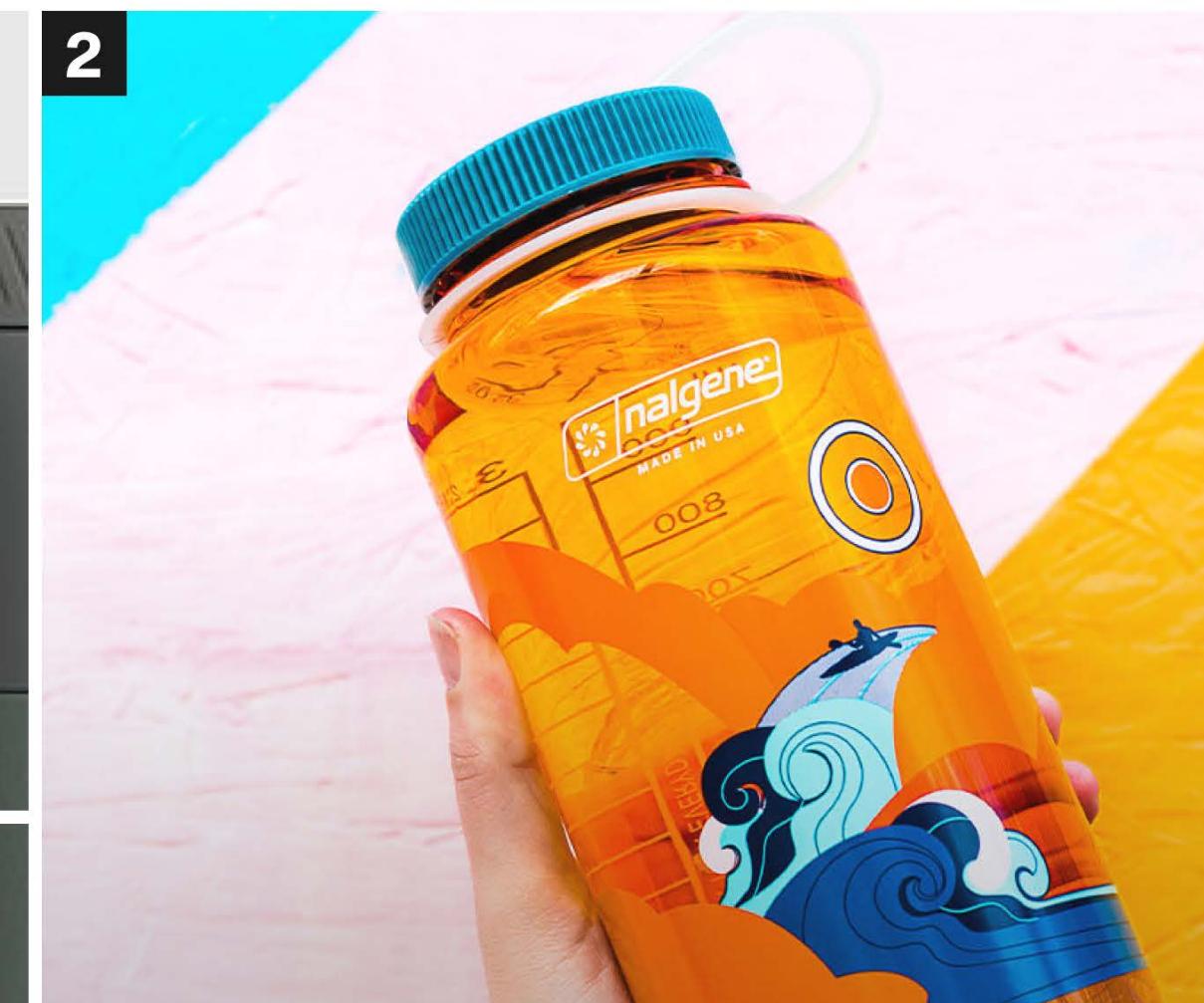
UI

1. Chilly's coffee cup

2. Nalgene widemouth waterbottle

3. Chilly's waterbottle

4. Wilko fruit infuser waterbottle



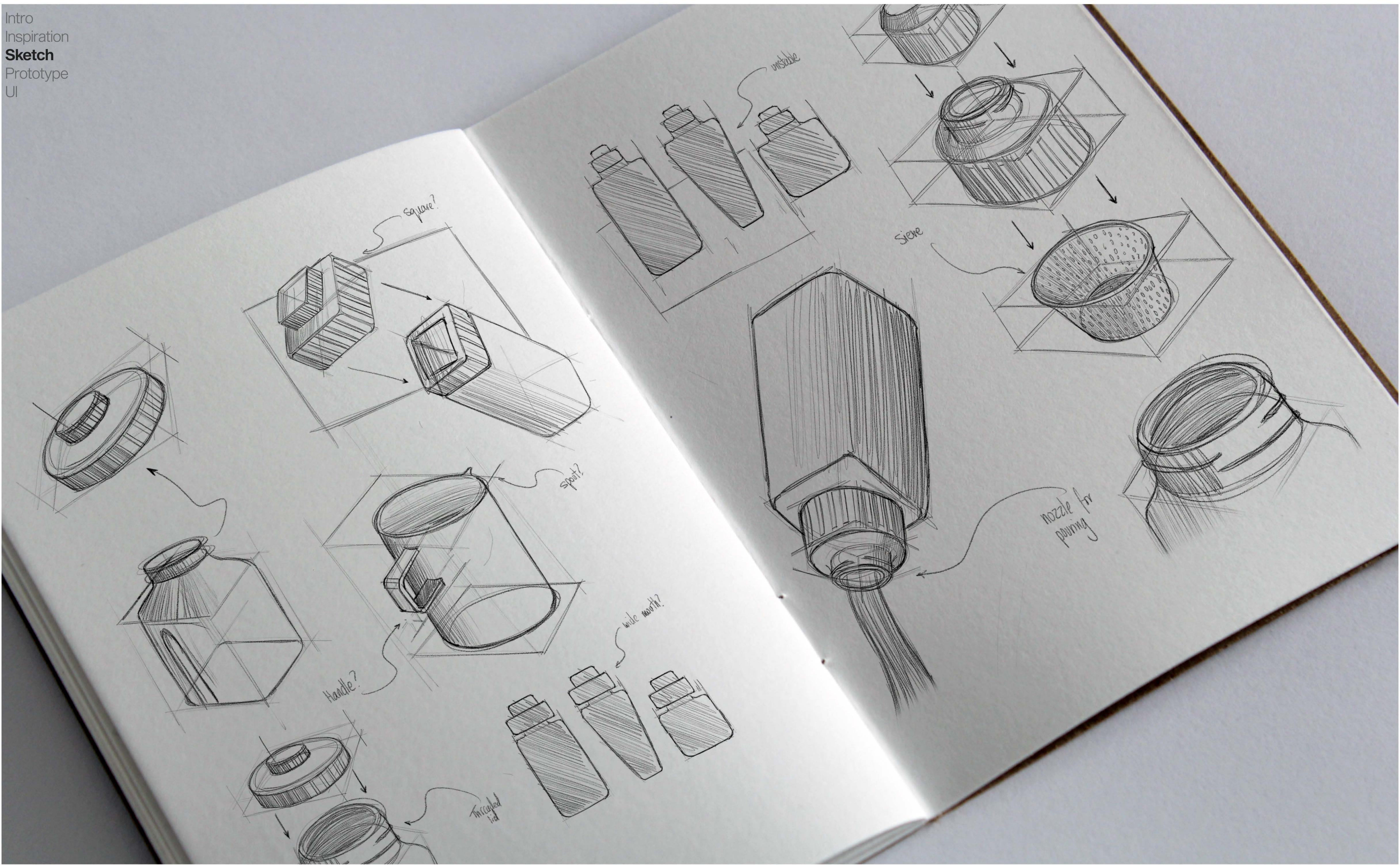
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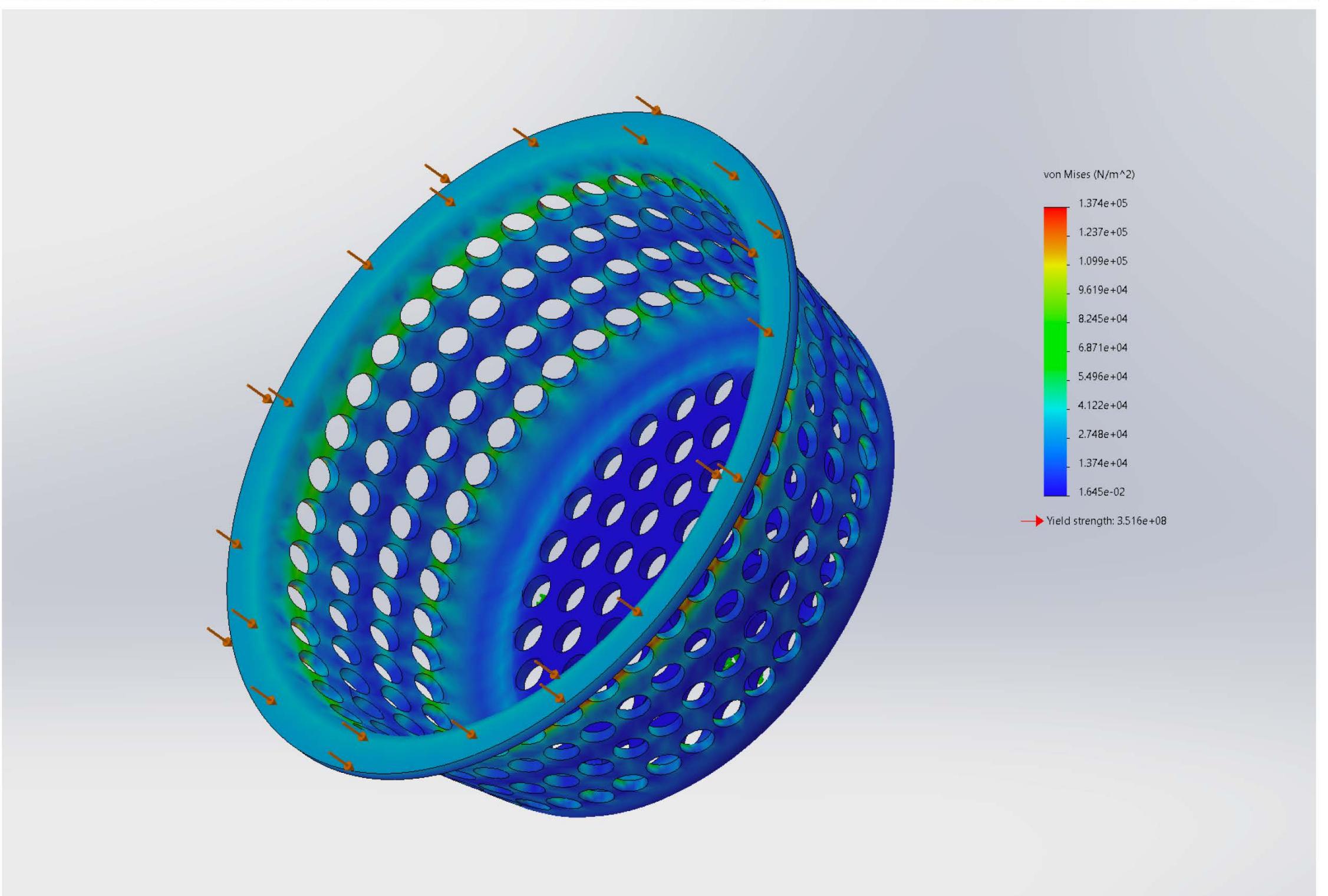
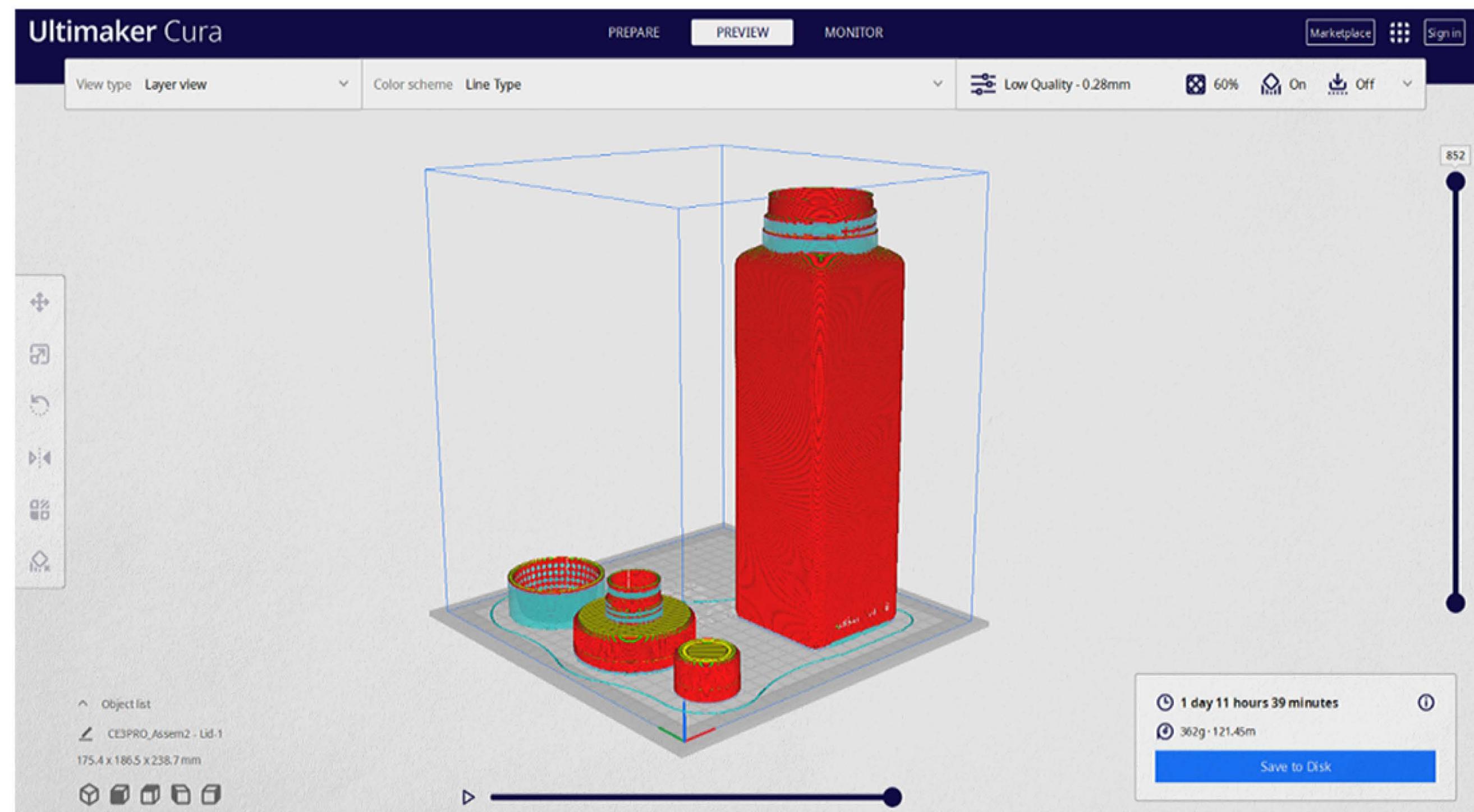
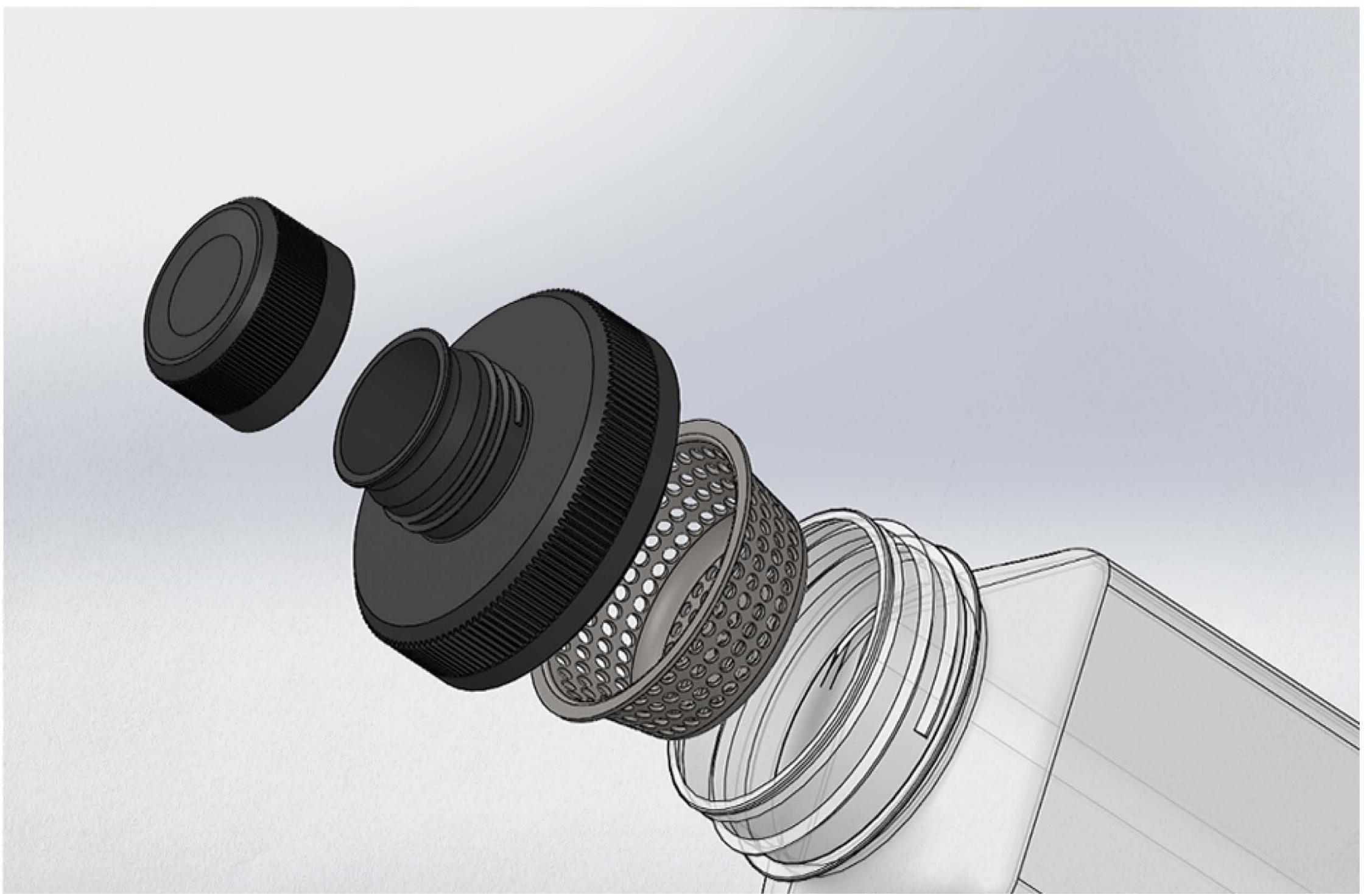
Sketch

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Bringing the concept to life.

I digitally modelled my design using SOLIDWORKS. This gave me the ability to test the product's functionality using MotionStudy and its structural integrity using SimulationXpress. I also used Cura to test the product's suitability for 3D printing.



Top lid —
Injection moulded LDPE.



Bottom lid —
Injection moulded LDPE.



Sieve —
Press formed stainless steel.

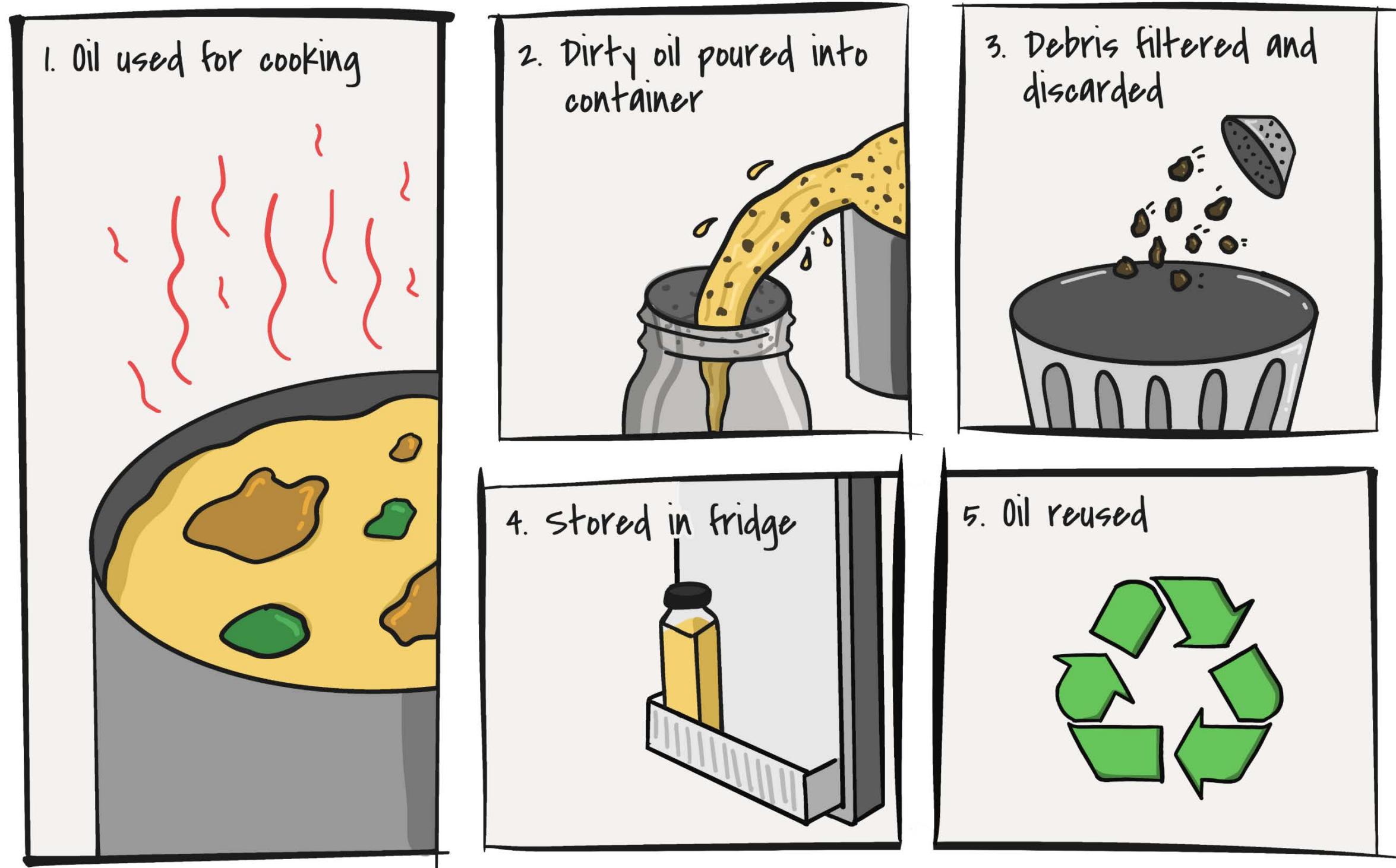


Container —
Blow moulded tritan.



Using the product.

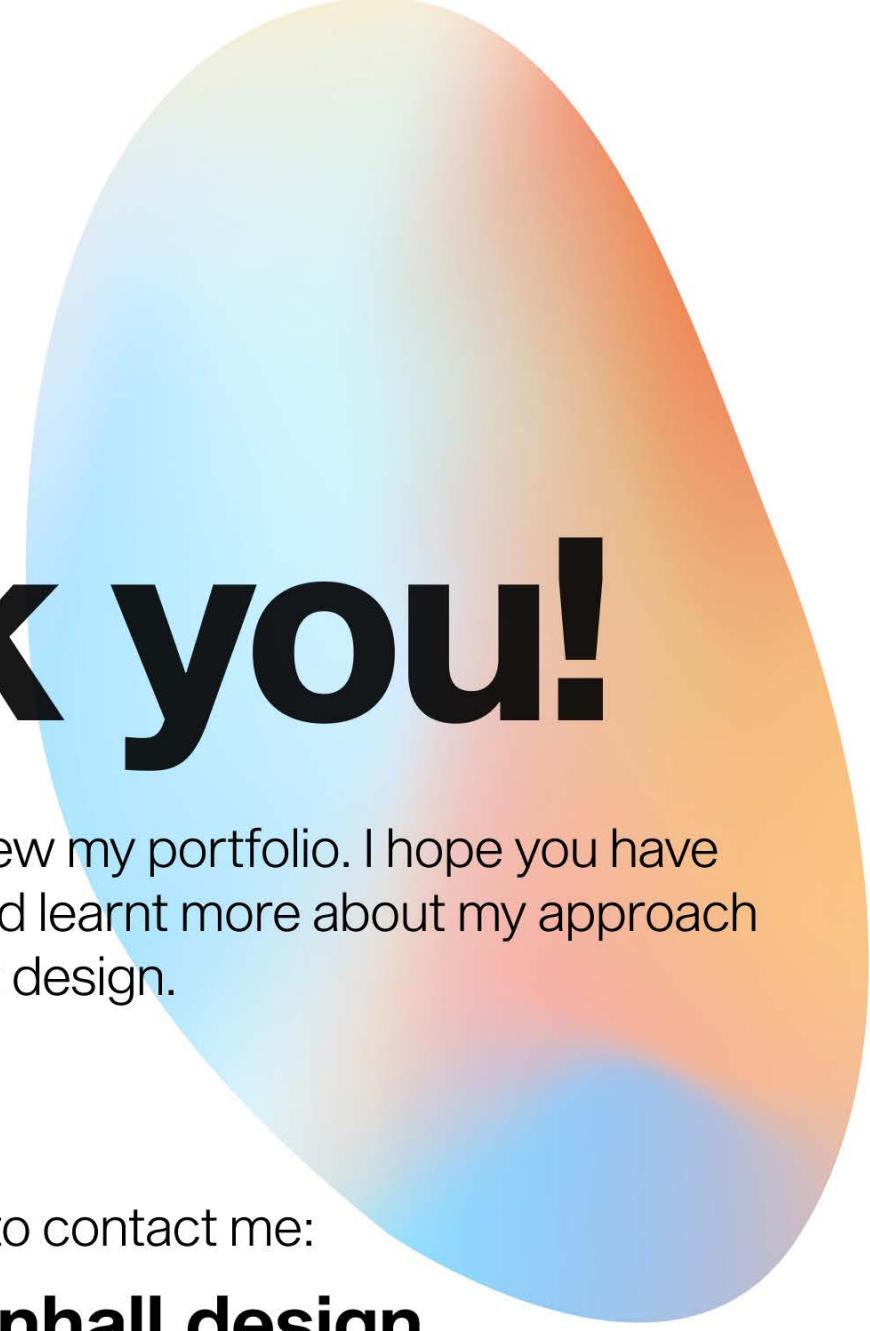
A storyboard was created to visually explain the user interaction of the product.



Final Product



Thank you!



Thank you for taking the time to view my portfolio. I hope you have enjoyed seeing some of my work and learnt more about my approach to product design.

Please feel free to contact me:

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