

Portfolio

Petros Sklavounos

Industrial Design Projects 2024

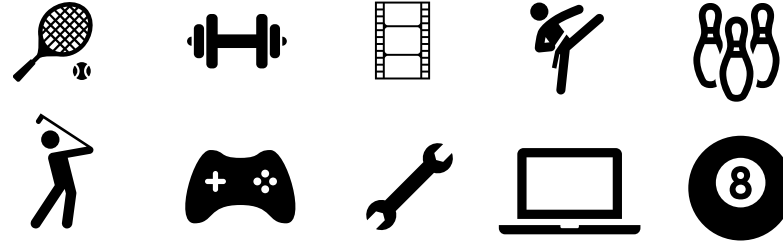
Hello I'm Petros.



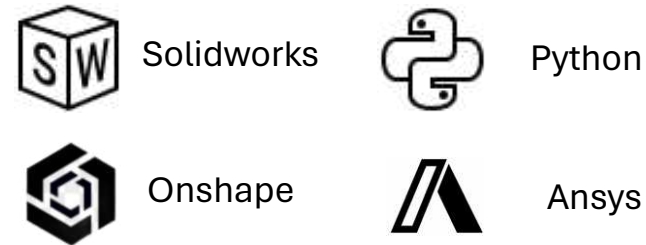
Here's my brief background...

From Greece to Dubai, and now studying Mechanical Engineering at Cooper Union in the United States, I've journeyed across continents and discovered my drive for understanding the intricate machinery and what goes on within it.

Interests



Software Skills



Contact me

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New York / USA

CompactCraft Stool

Project

01

02
03
04

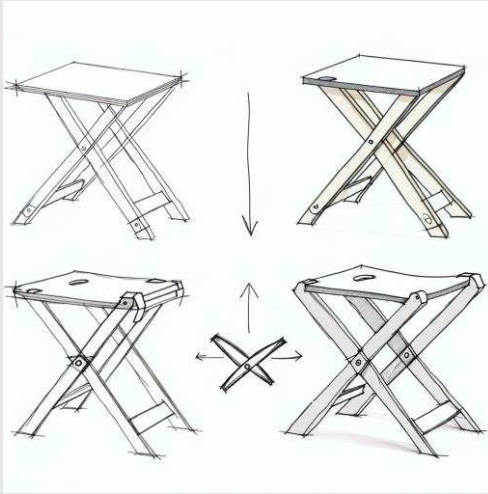
modular and adjustable stool crafted from
workshop pieces for workshop reaches



Project

01

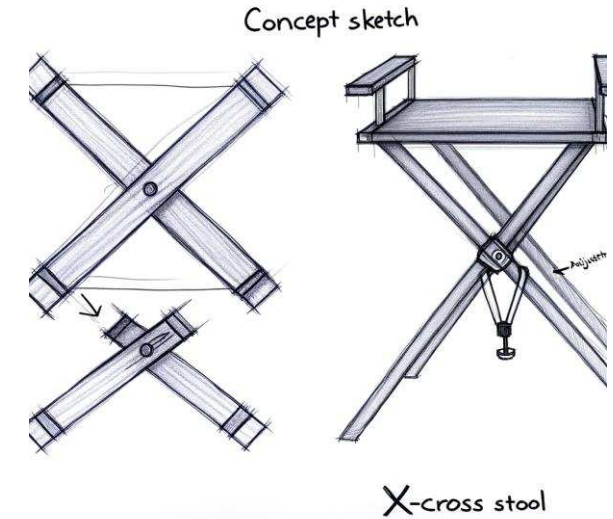
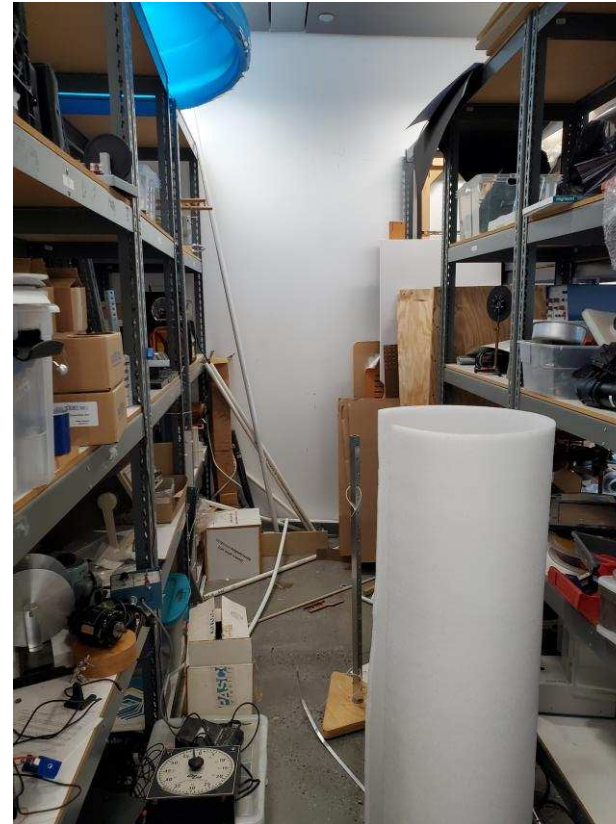
02
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the idea: crafting flexibility

Concept

Crafted from workshop materials like PVC, pegboard, and wooden planks, this modular stool offers adjustable height tailored to user needs. Its design is a direct visual reflection of its origins, marrying functionality with the raw aesthetic of the workshop.



Project

01

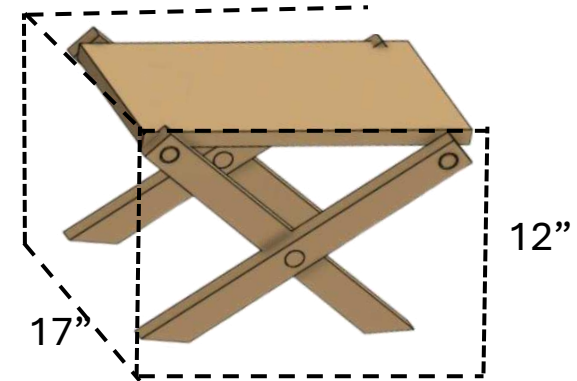
02
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the raw materials laid bare

Fabrication

Harnessing the existing toolkit of the workshop, the development process saw wood and PVC pipes measured and cut. Each element was assembled employing the workshop's array of tools to engineer a stool that stands as a testament to skillful resourcefulness.



Project

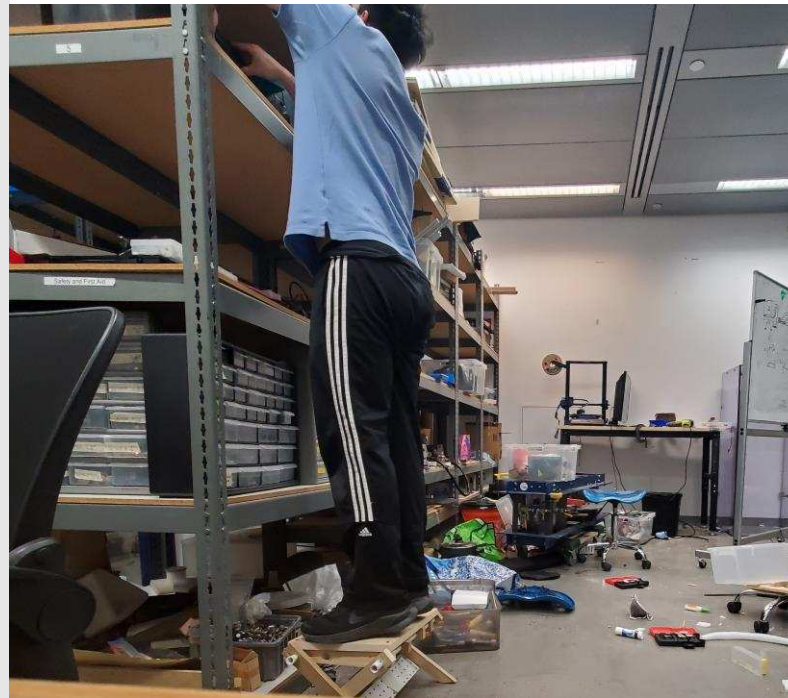
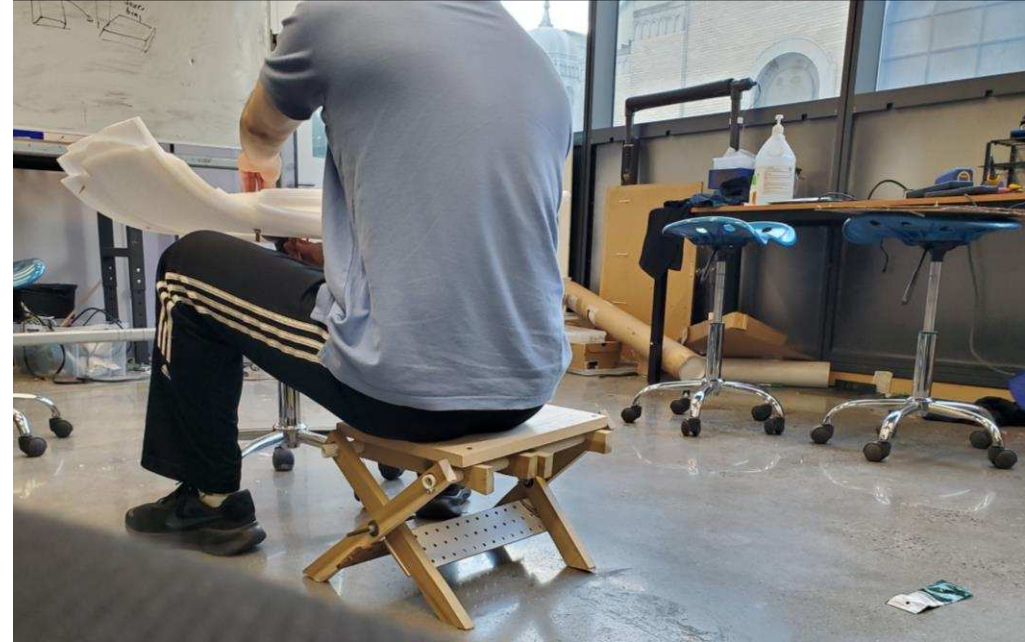
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finalized assembly

Outcome

Harnessing the existing toolkit of the workshop, the development process saw wood and PVC pipes measured and cut. Each element was assembled employing the workshop's array of tools to engineer a stool that stands as a testament to skillful resourcefulness.



Time to Unplug Phone Case

Project
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expanding phone case to deter excessive
use before bed

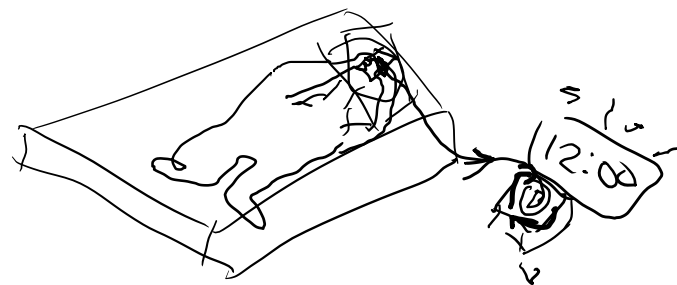




the idea: gaining control over phone use

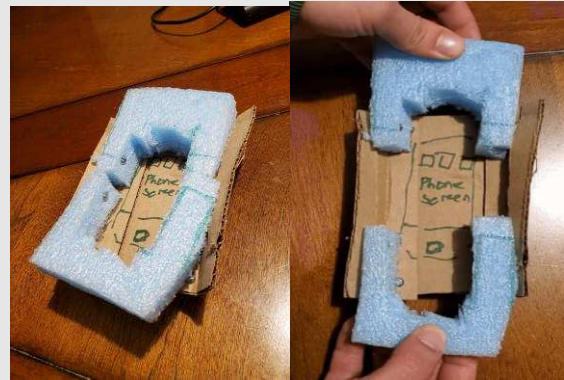
Concept

Crafted from workshop materials like PVC, pegboard, and wooden planks, this modular stool offers adjustable height tailored to user needs. Its design is a direct visual reflection of its origins, marrying functionality with the raw aesthetic of the workshop.



12 concept prototypes for actively disrupting phone use

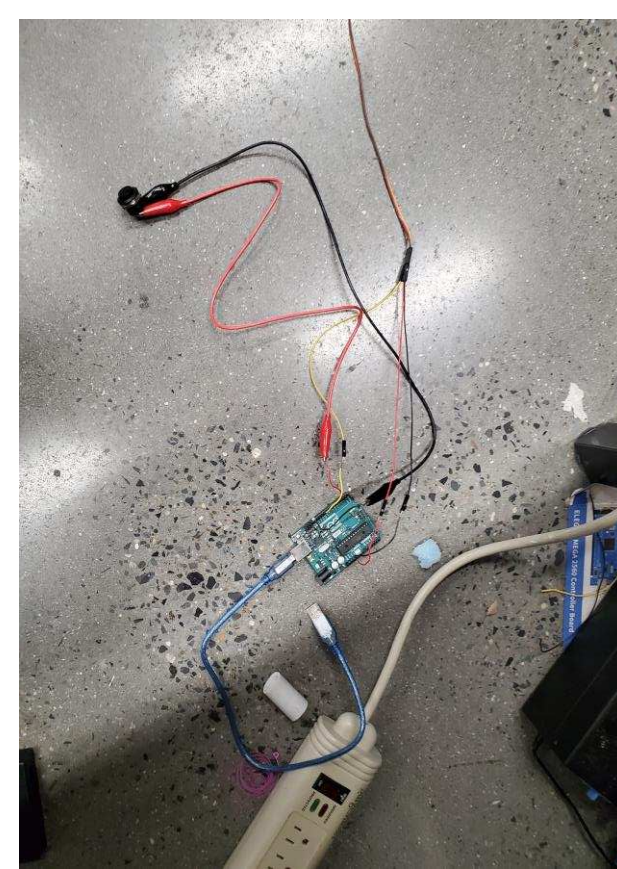
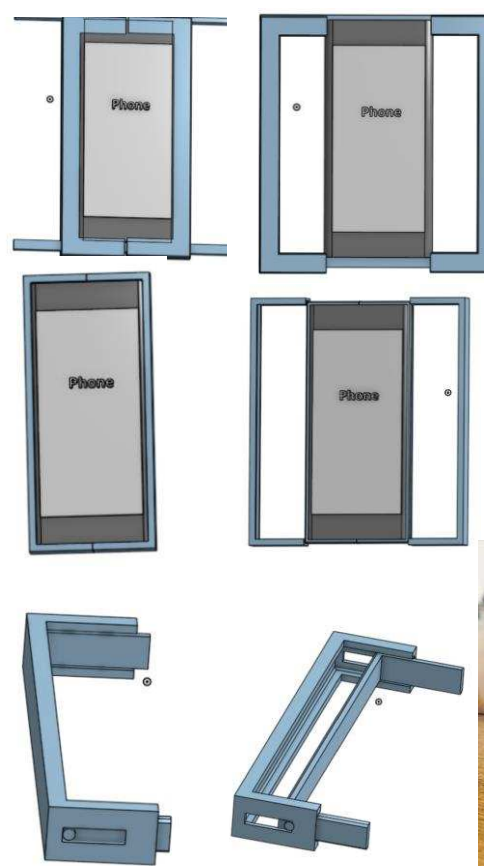
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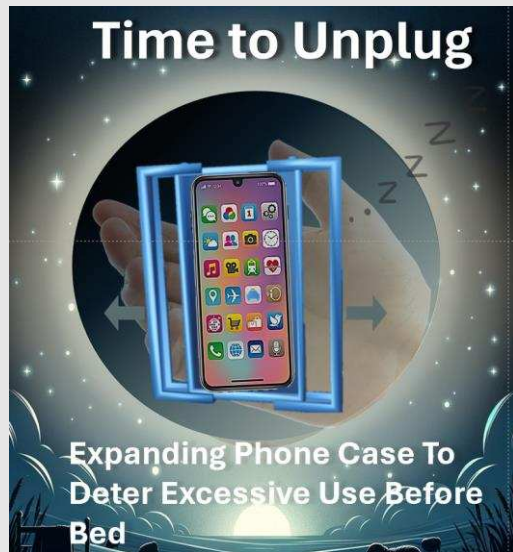


functional prototype testing vertical,
only horizontal found to hinder use

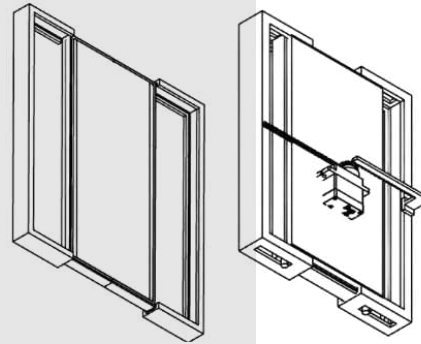
Prototyping

Harnessing the existing toolkit of the workshop, the development process saw wood and PVC pipes measured and cut. Each element was assembled employing the workshop's array of tools to engineer a stool that stands as a testament to skillful resourcefulness.



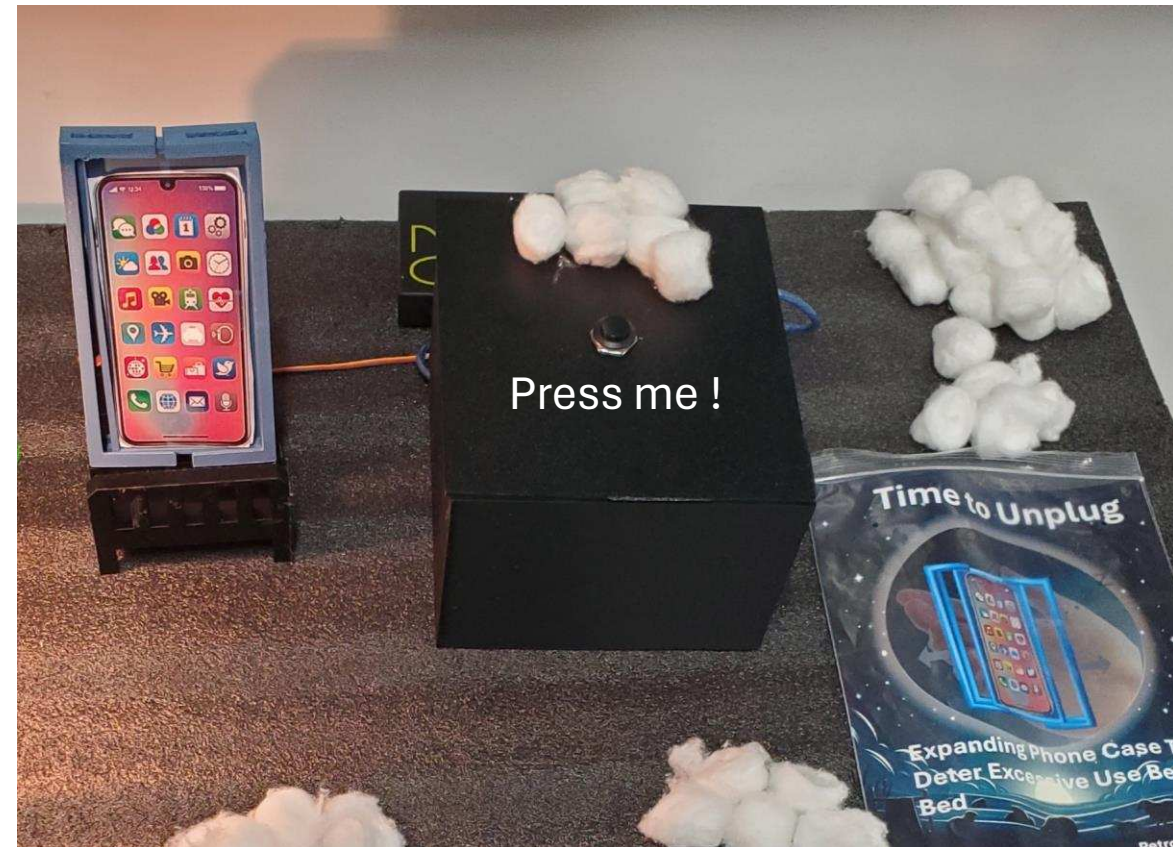
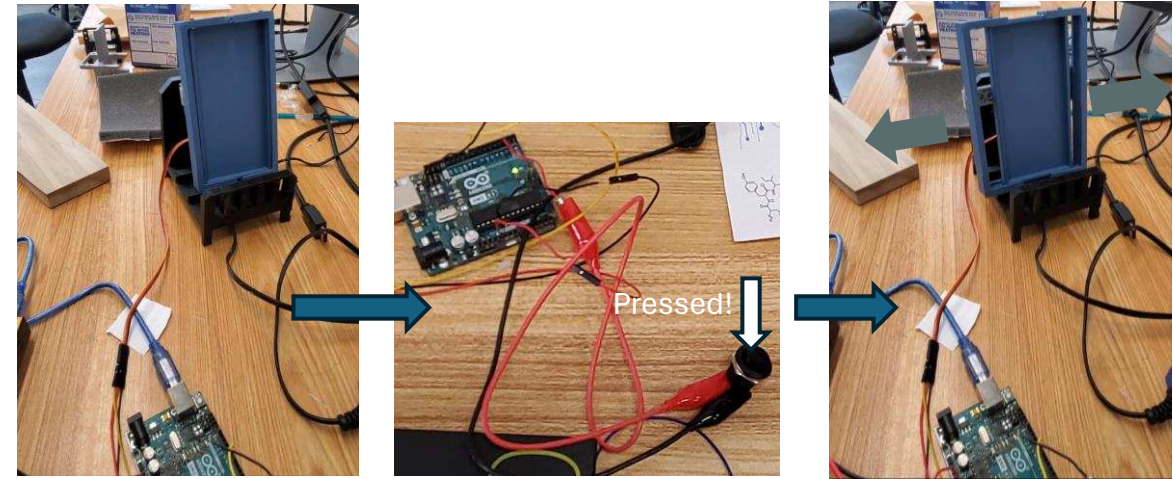


finalized assembly and poster



Outcome

With a press of a button for dramatic effect, the phone case expands horizontally to externally hinder the user's phone usage. Ideally the user would program an alarm



Clarity in Design

Project

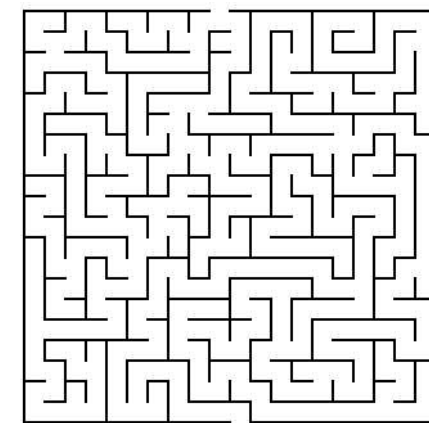
01

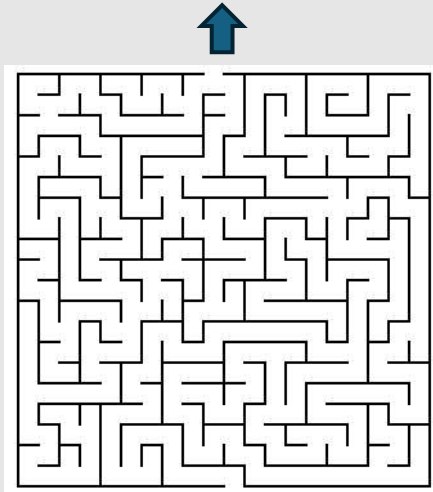
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three intuitive designs that lead without explicit direction

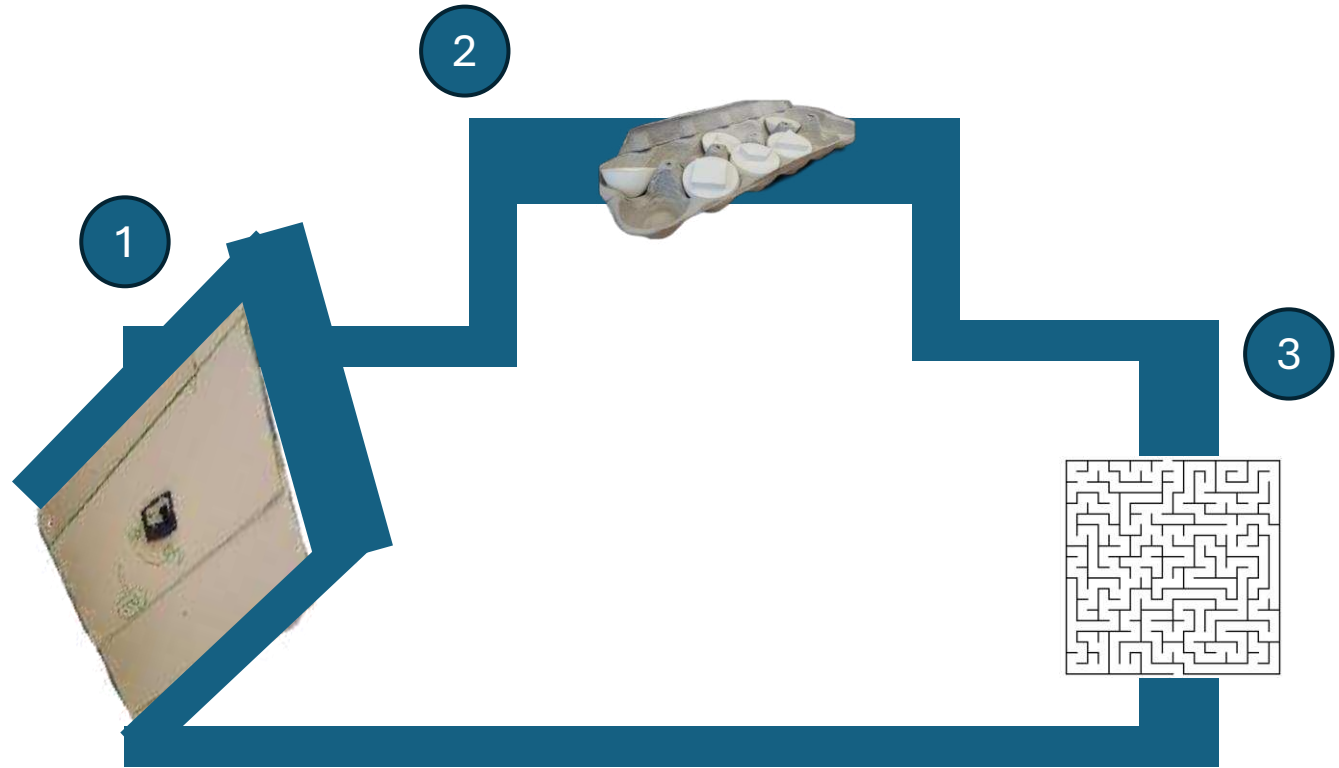




the idea: silent guidance,
three objects, intuitive steps

Concept

This exhibition is a metaphorical journey through life's stages. The first act, a locked door, symbolizes life's beginning—conception and the potential that comes with birth. The second act, featuring half-eggs, represents the formation of foundational knowledge in early years, awaiting integration into a cohesive whole. Concluding with the maze, we navigate life's complex decisions, using the knowledge we've assembled to chart our course. This sequence reflects learning as an inherent part of human growth and experience.



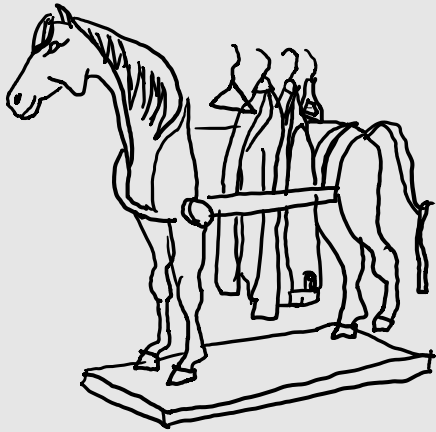
Project
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LuxeGrove

04 meandering furniture piece to transform
your daily clothing disarray



How do you elegantly manage
clothes without a wardrobe?



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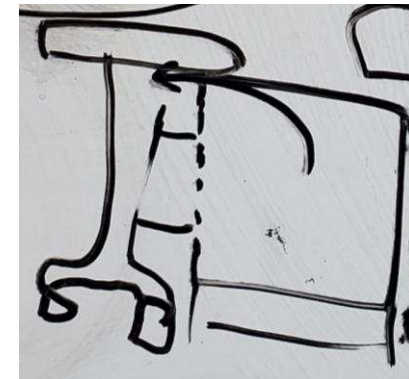
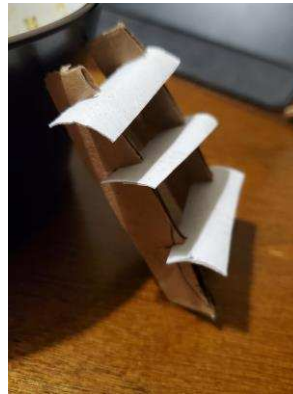
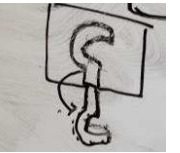
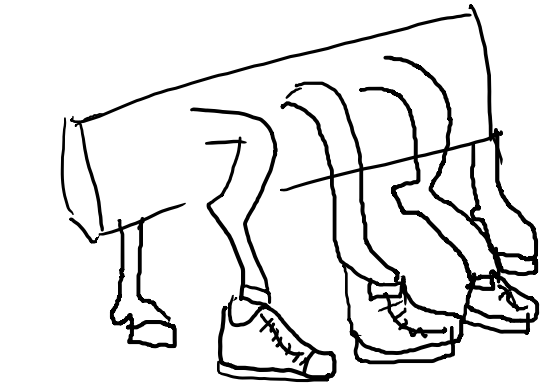
the idea: using the habit of tossing clothes to avoid clothes on floor

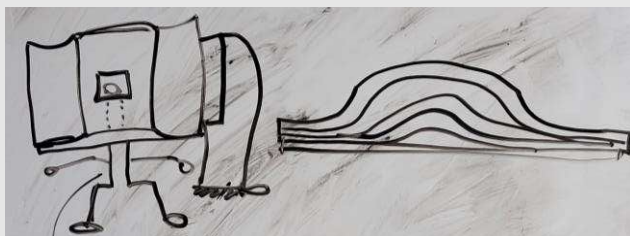
Concept

Tired of clothes piling up on your floor? Luxe Grove offers a chic solution for your daily disarray. With its elegant design and effortless accessibility, it transforms how you organize and access your wardrobe essentials. Experience simplicity and style every day.



Tendency for clothes to end up on the ground or in piles and boxes.





Project
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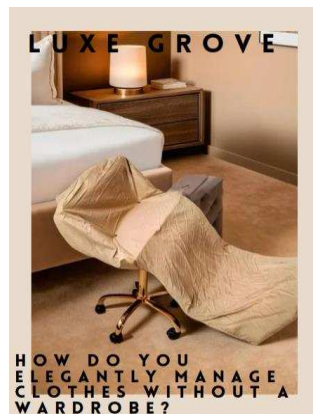
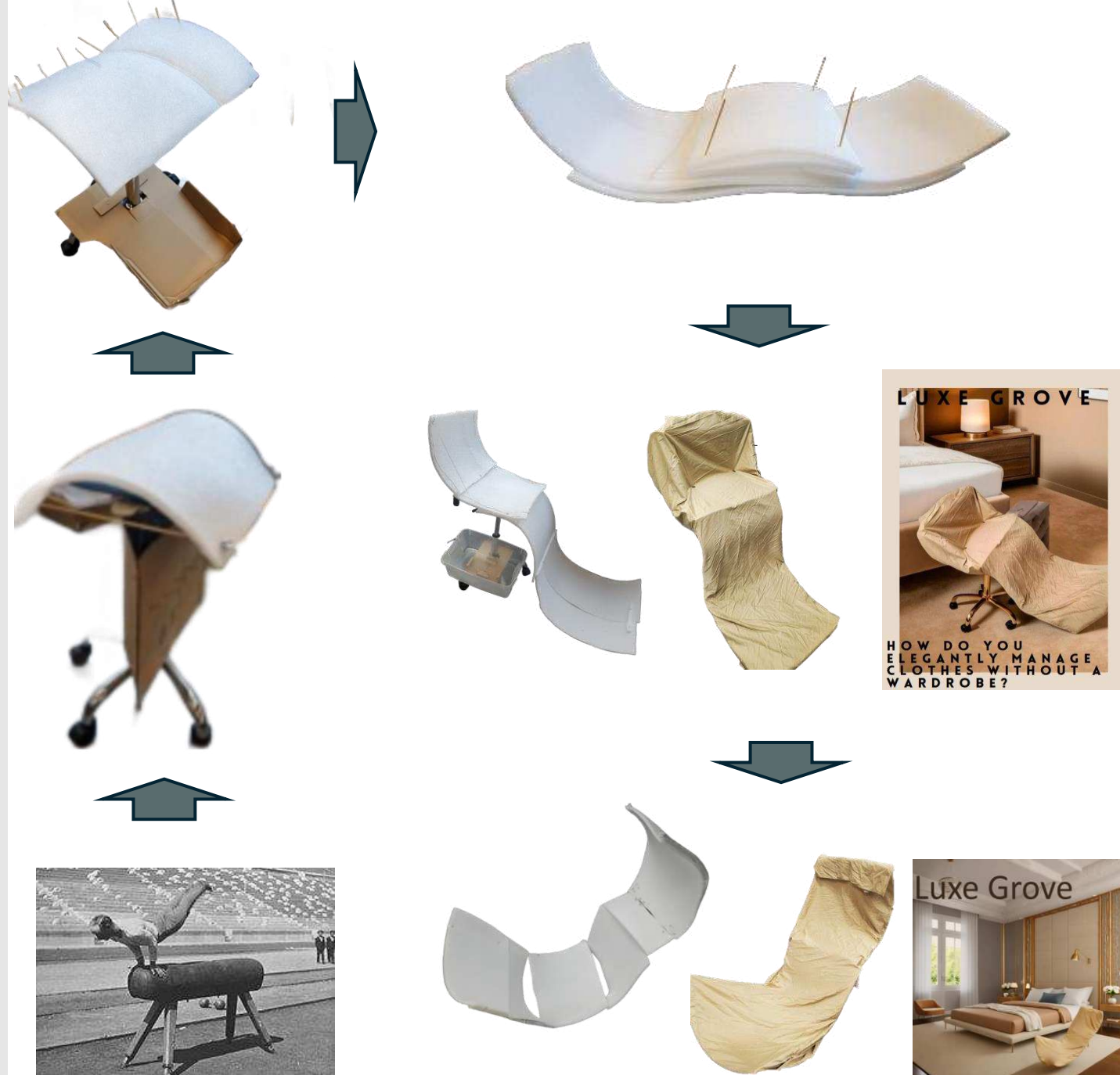
curvature for clothes catching, while
being abstracted from specific client
interest

04

Prototyping

Prototypes made of accessible materials to construct large models inspired by a horse, ensuring accurate scale and interactive potential.

To combat the loose Styrofoam, PVC pipes were thermally set in the desired curvature and used as a frame. While not shown here, further post-processing of joining the uneven layers was done by weaving thread to remove gaps.



Contact Me



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