

DESIGN PROJECT - I

3 WEEKS
24 CREDITS

BRIEF

Design a minimalist, industrial-style dining chair that accommodates a cross-legged seating posture. It should offer comfort and support for long meals while maintaining proper posture. The chair must seamlessly integrate into modern dining spaces, providing a functional, stylish, and unique solution for informal dining.

CONCEPT

This furniture piece is designed for a compact living-cum-dining area in a studio apartment. It aims to offer both support and comfort—encouraging good posture while eating, and allowing relaxed seating for casual use.

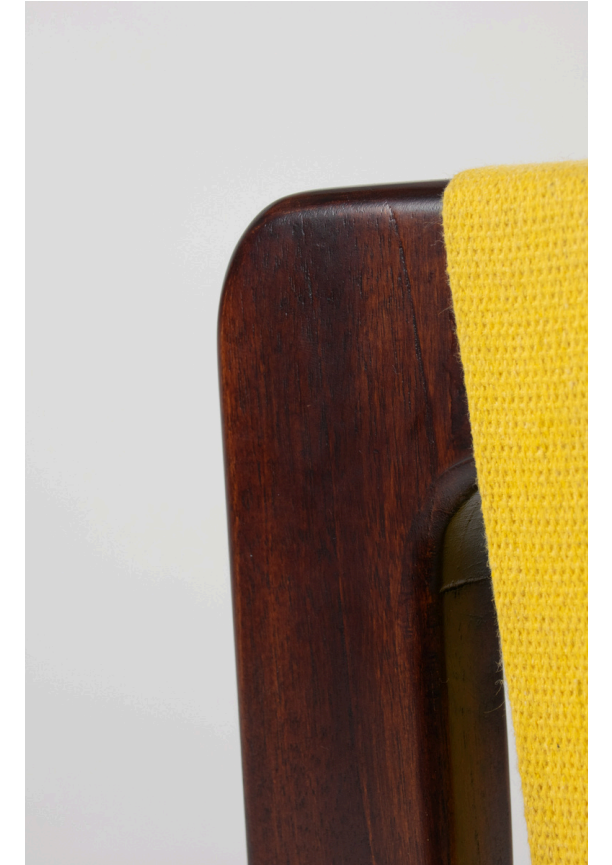
The concept explores the idea of a modular weave or upholstery system that allows users to refresh or personalize the surface material with ease. This approach envisions a more adaptable piece of furniture—one that can evolve with the user's changing needs, tastes, or environments, while also offering a longer functional lifespan.

Rua

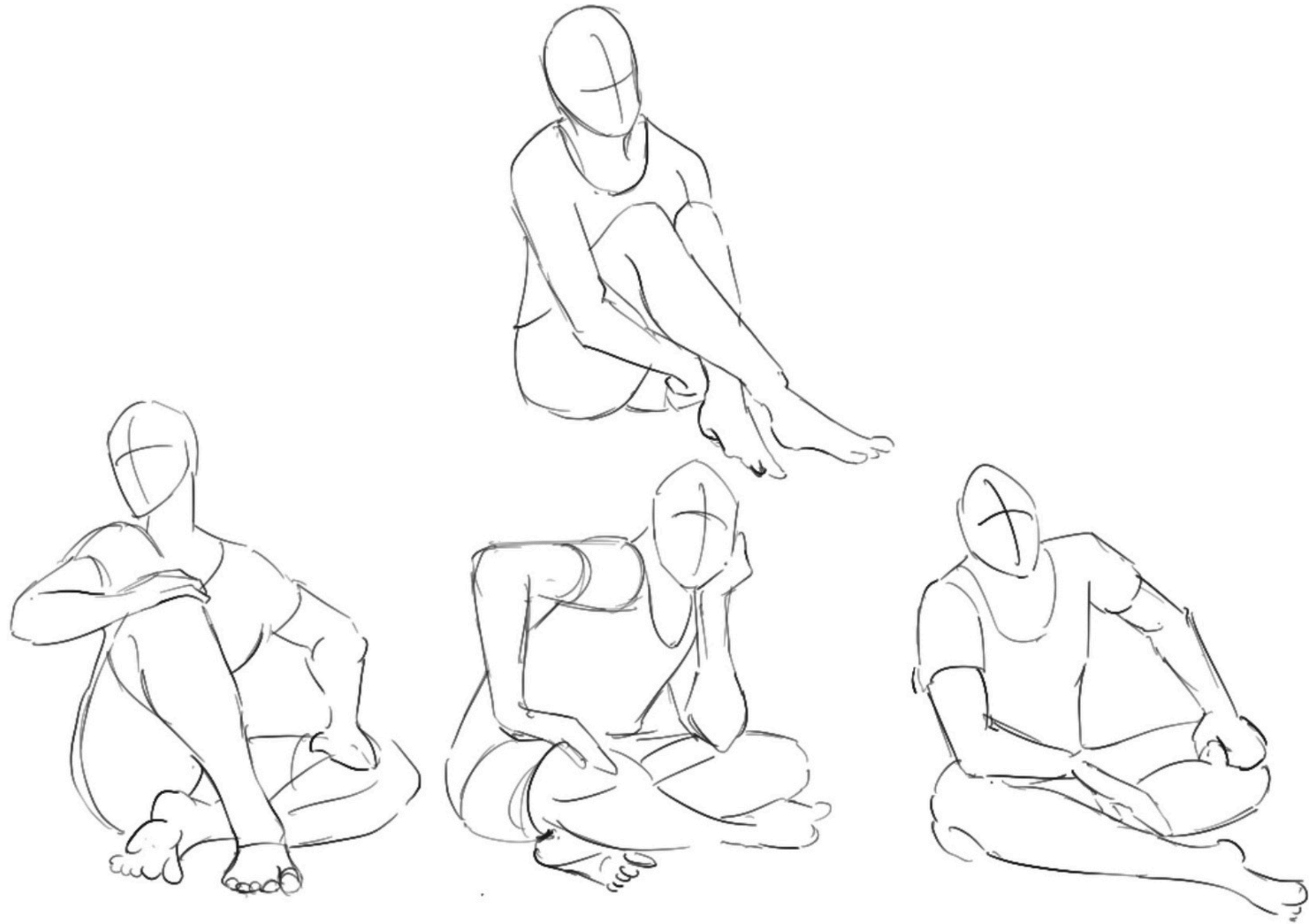
A low seating dining chair



FINAL PROTOTYPE



POSTURE STUDY



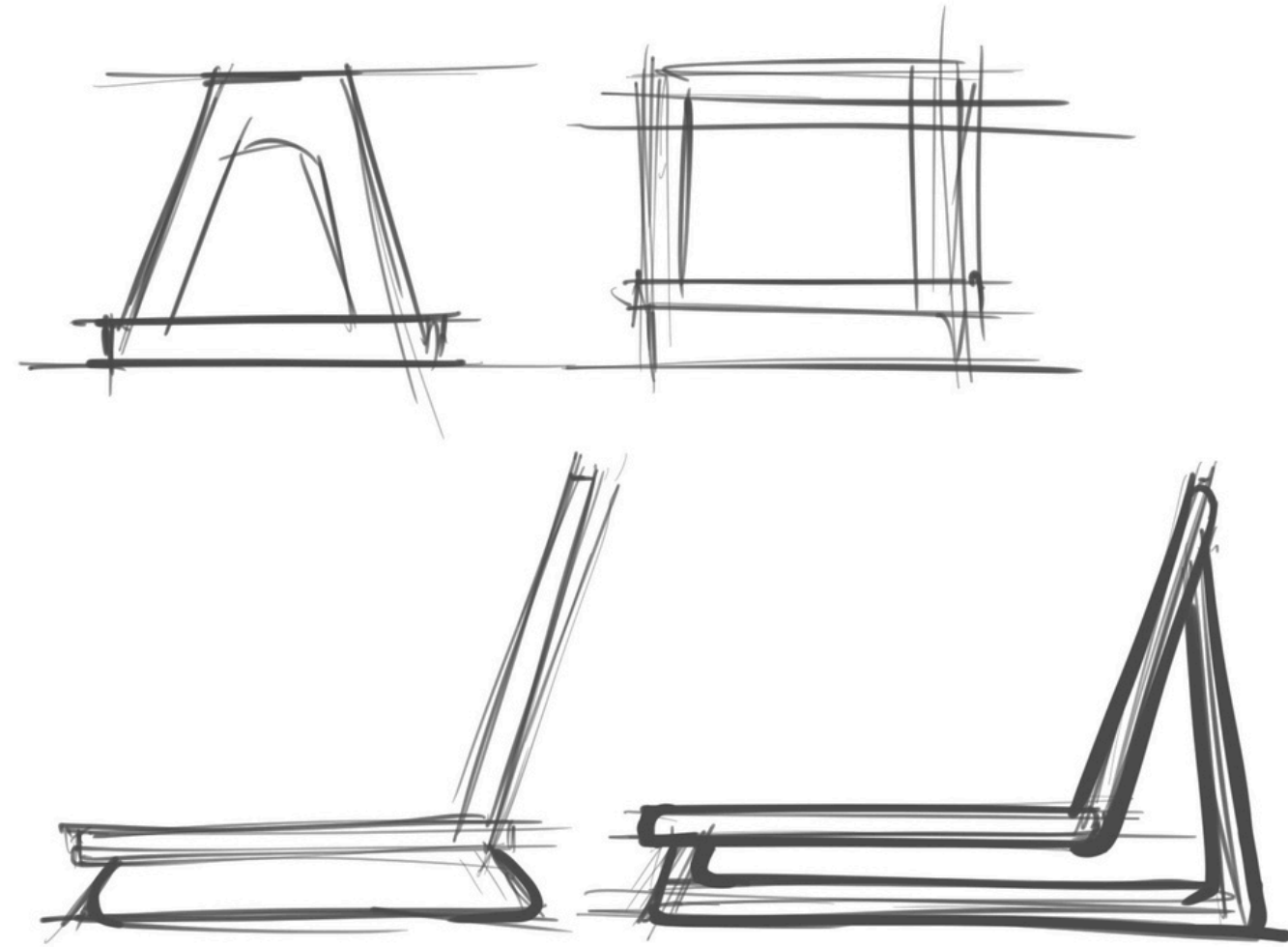
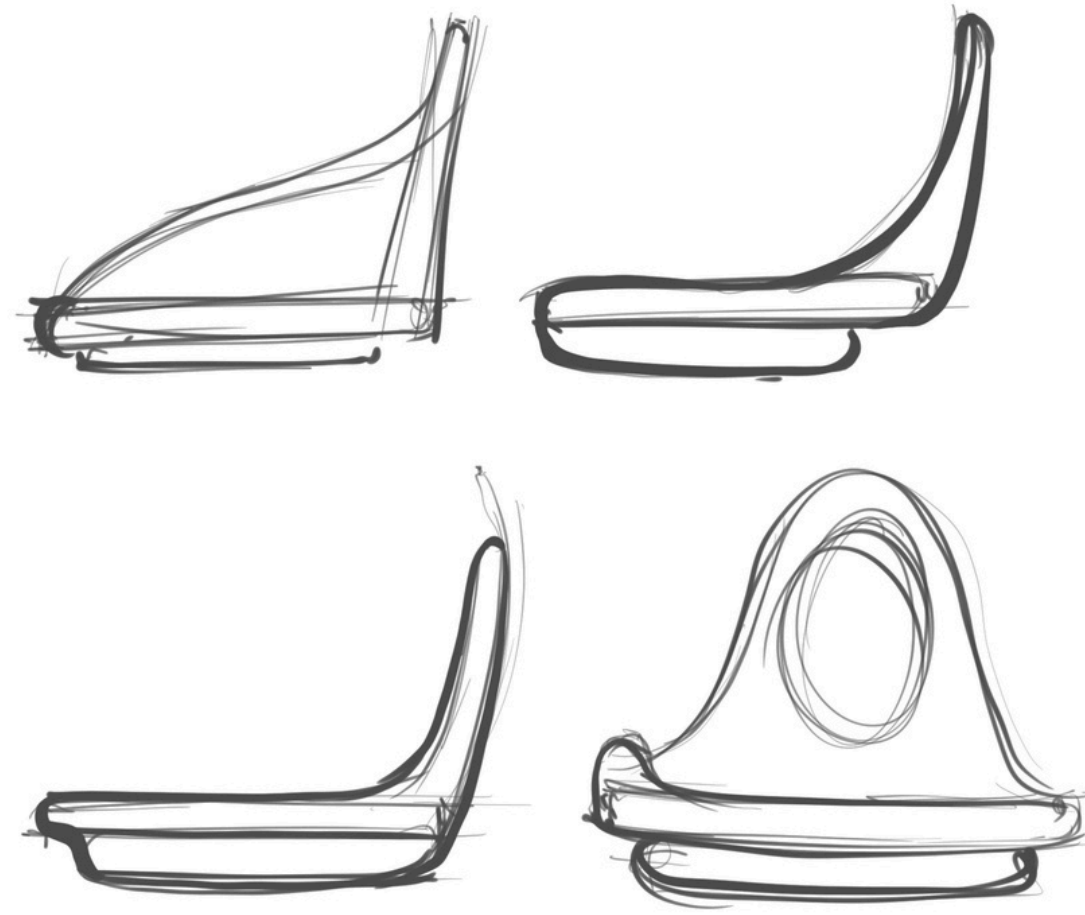
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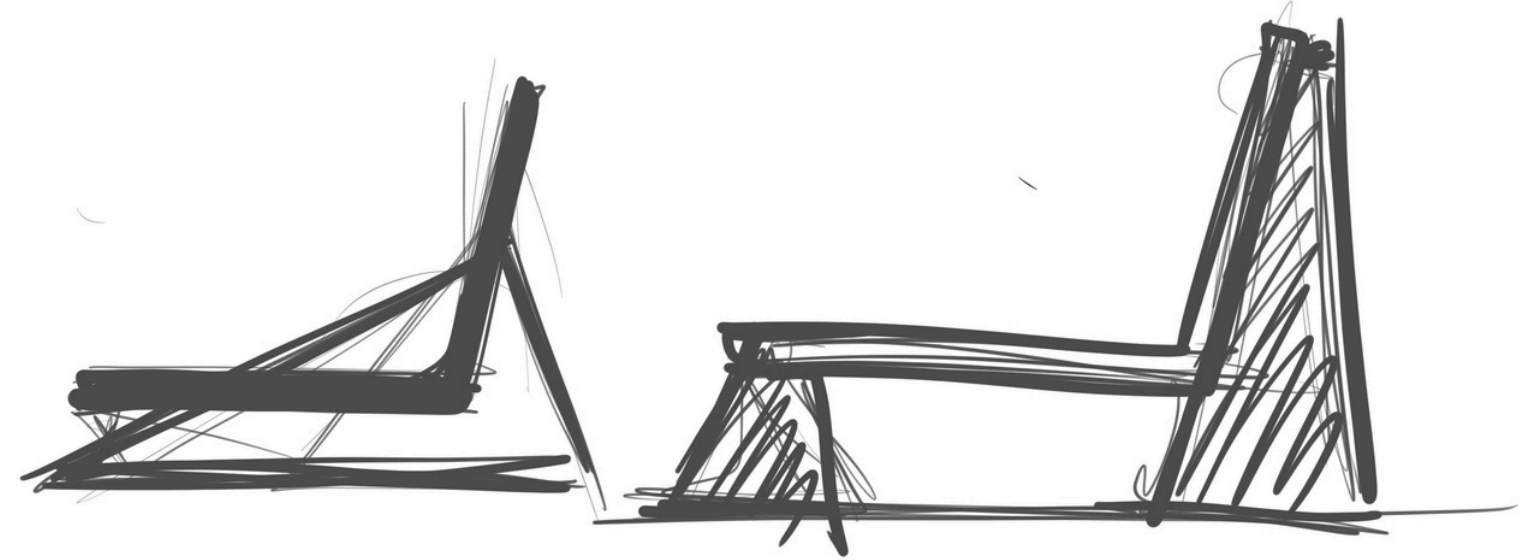
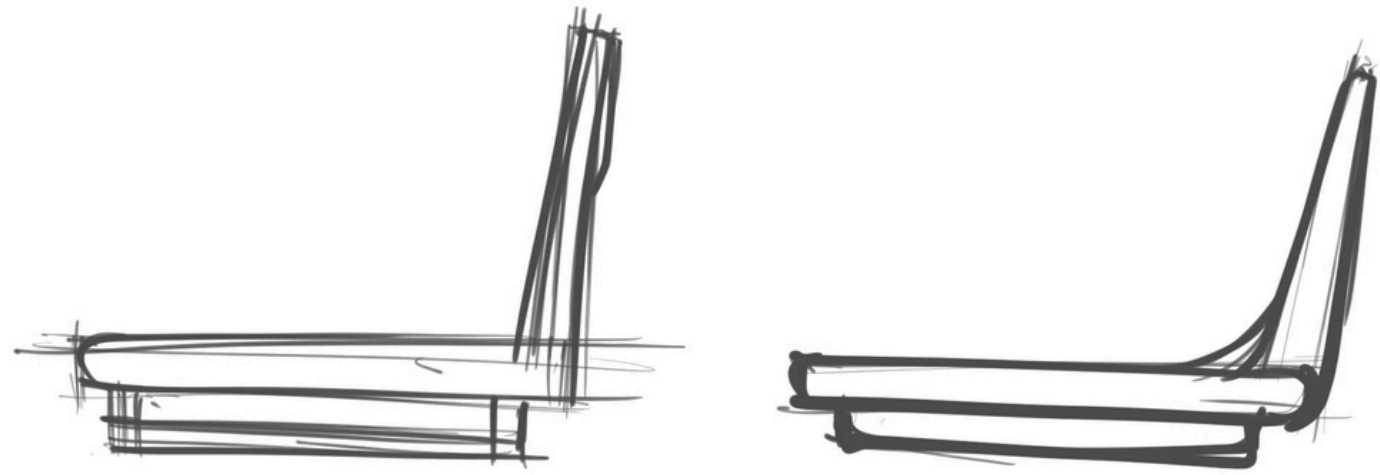
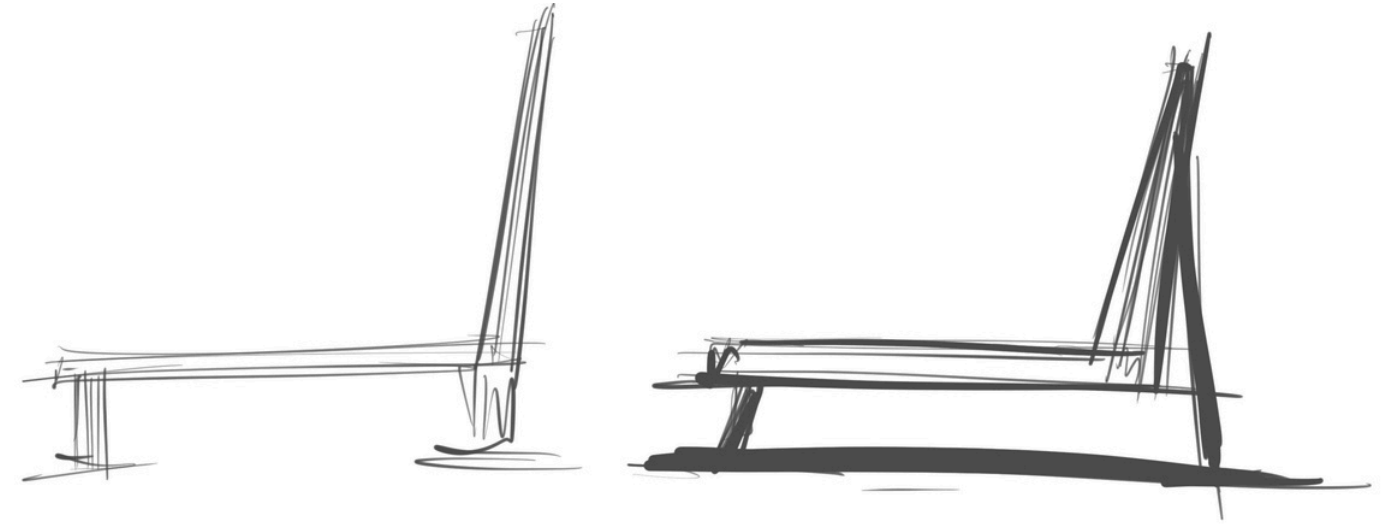
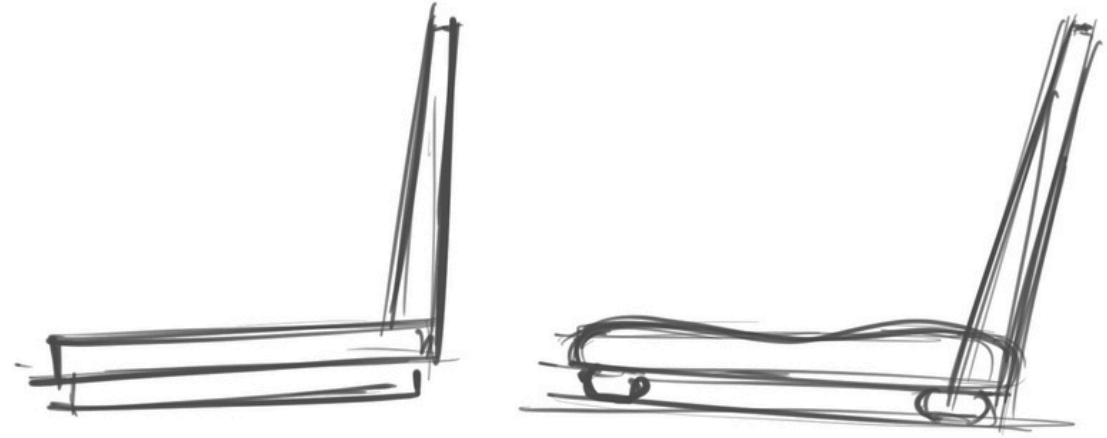
EXISTING DESIGNS



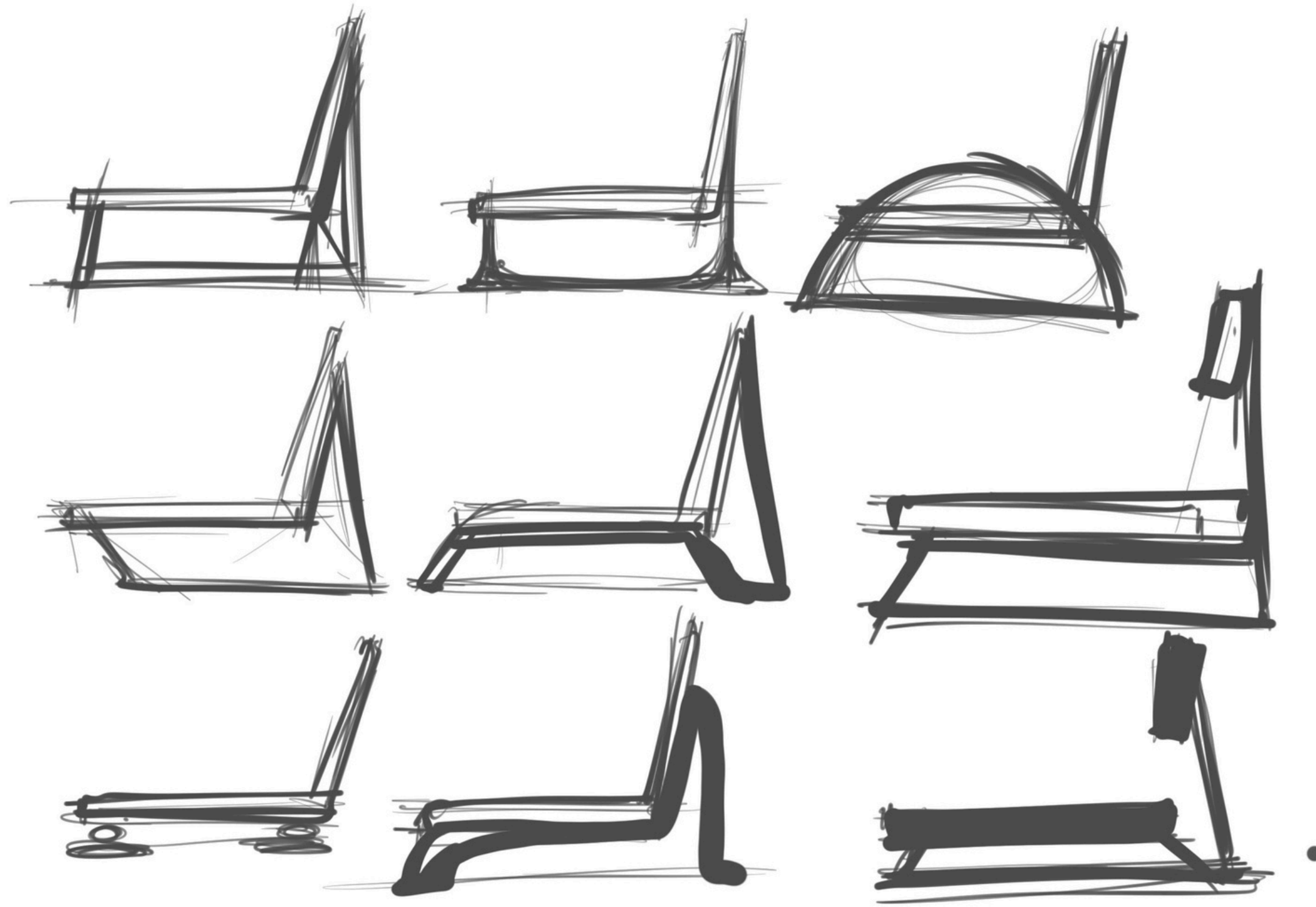
ITERATIONS



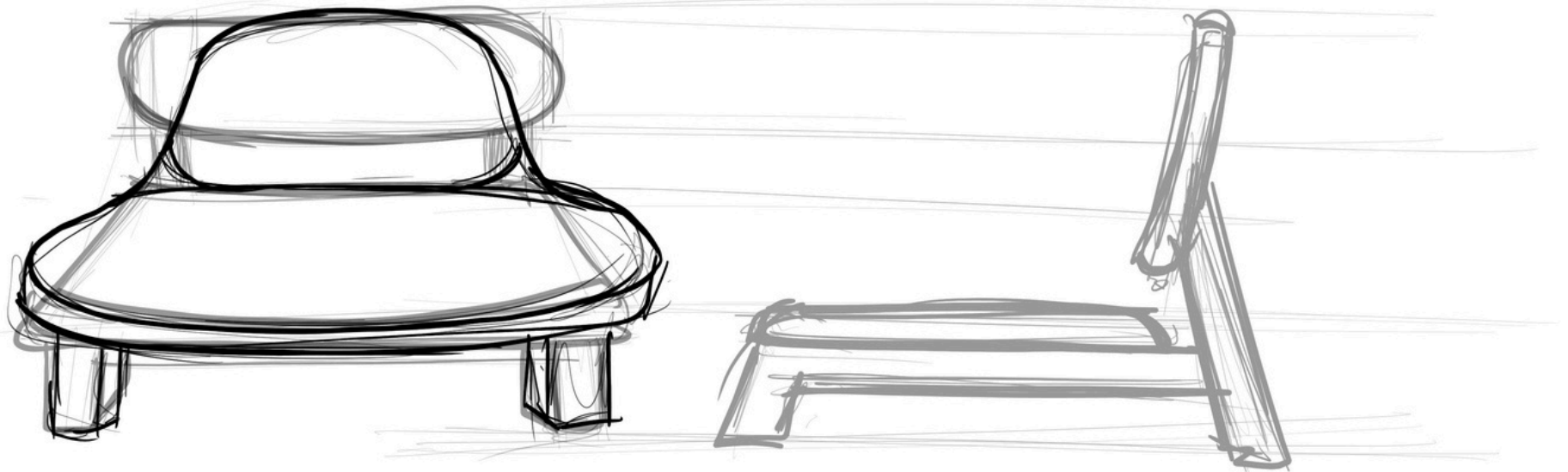
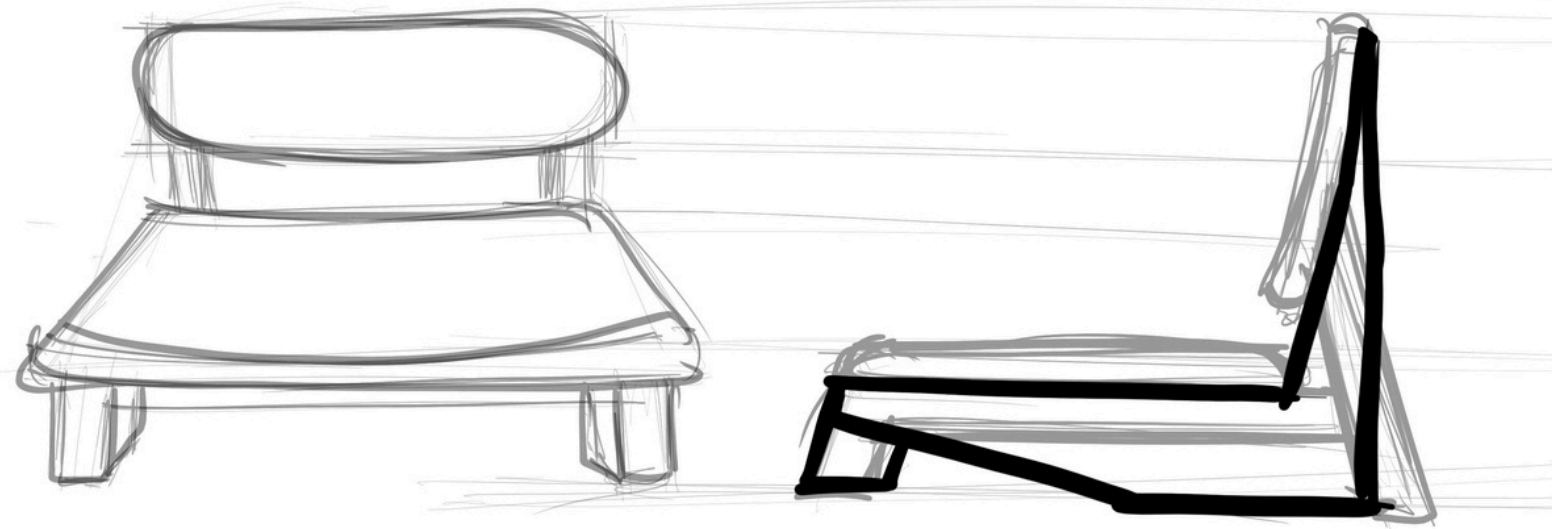
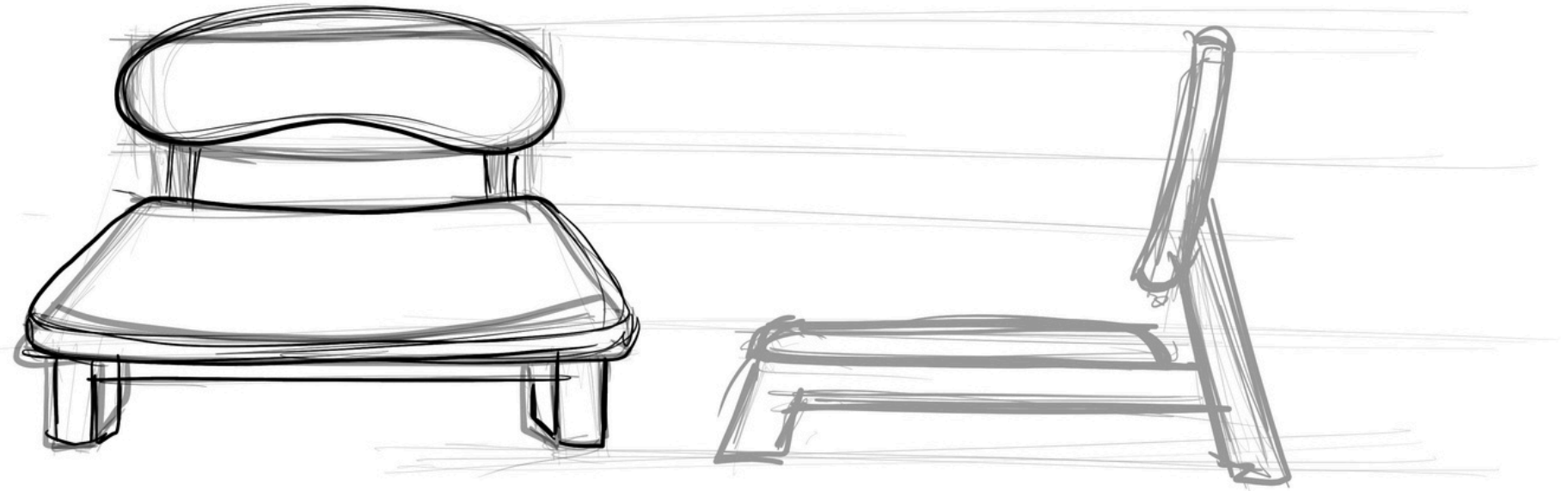
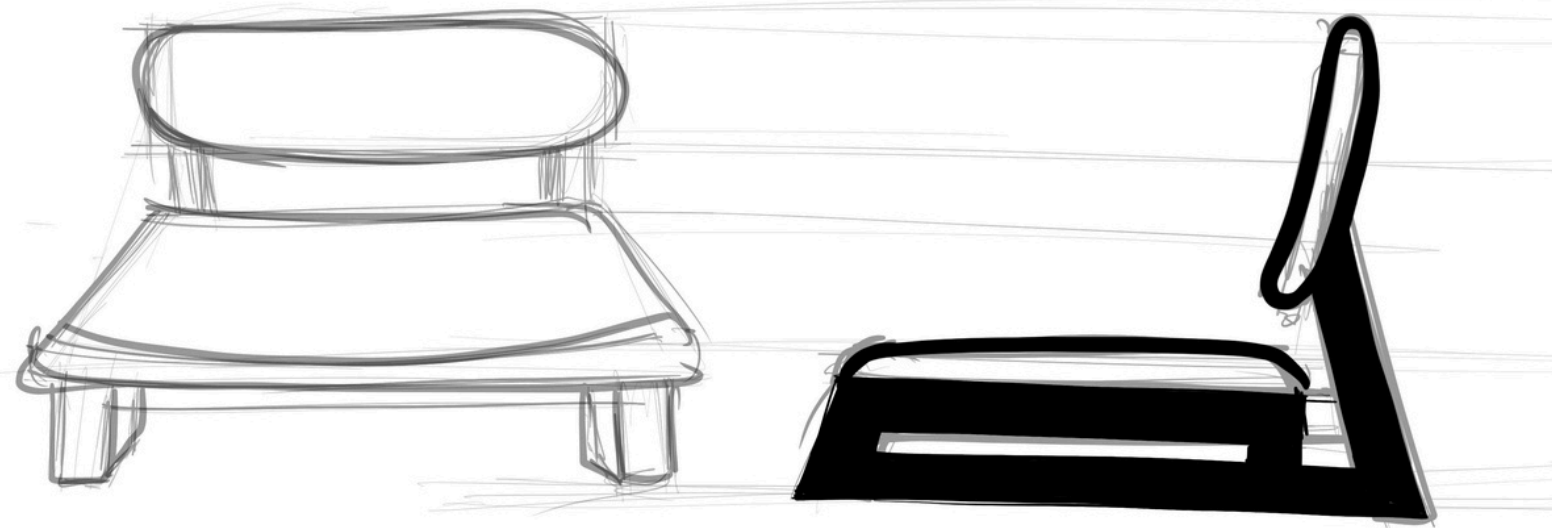
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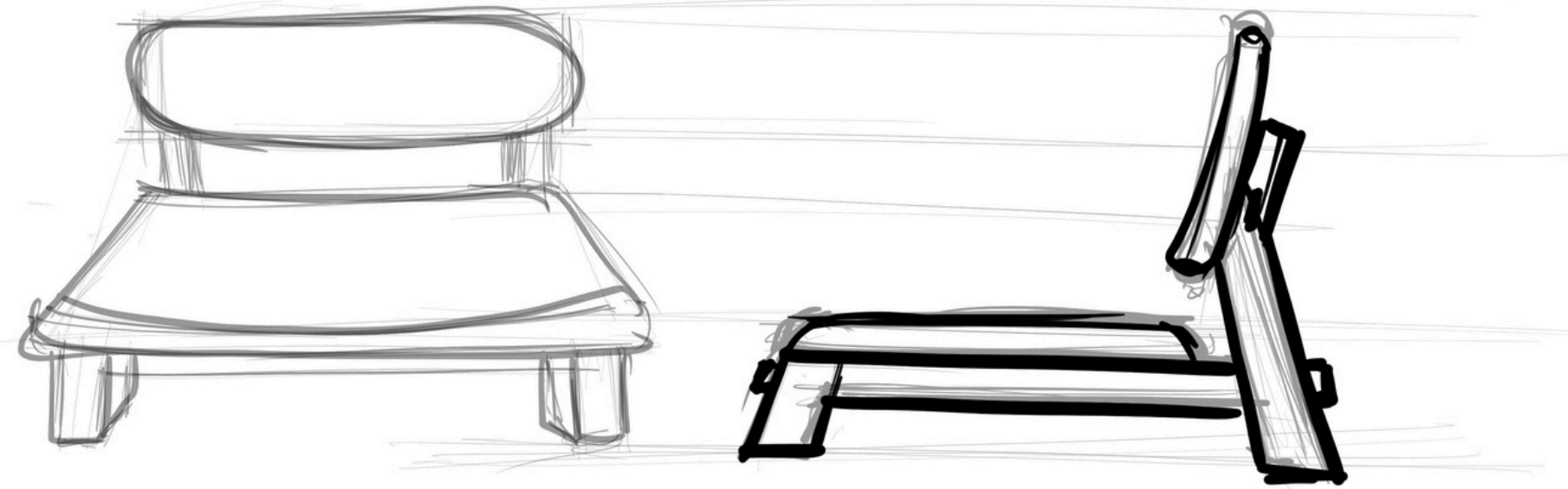
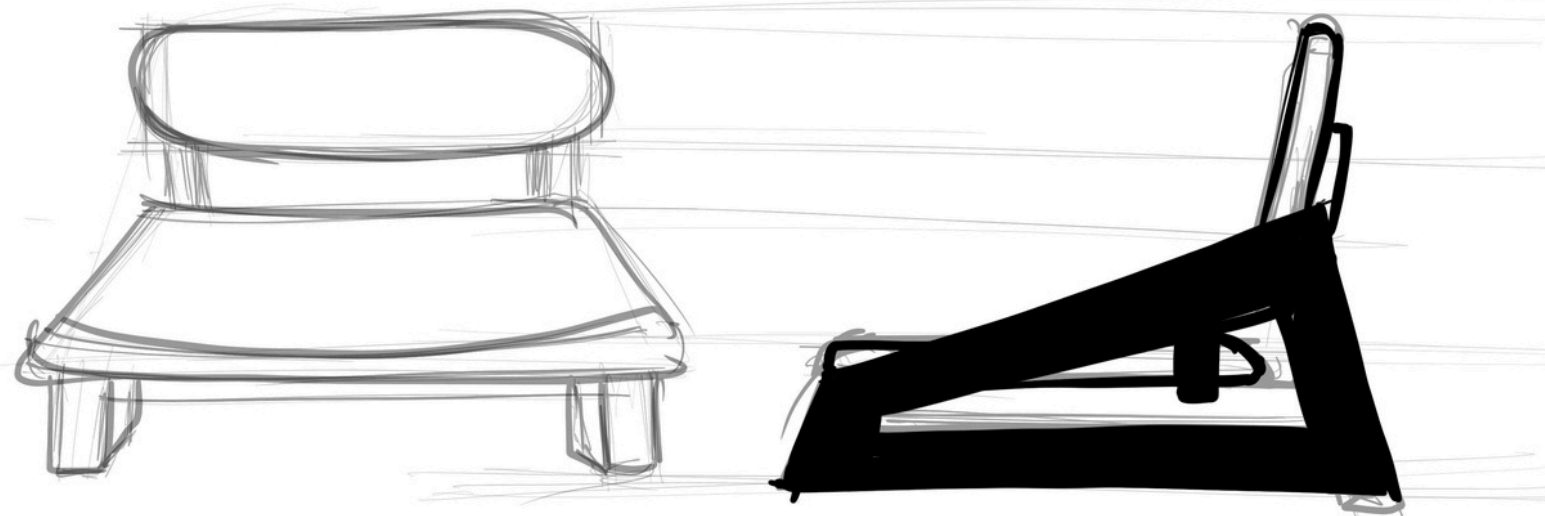
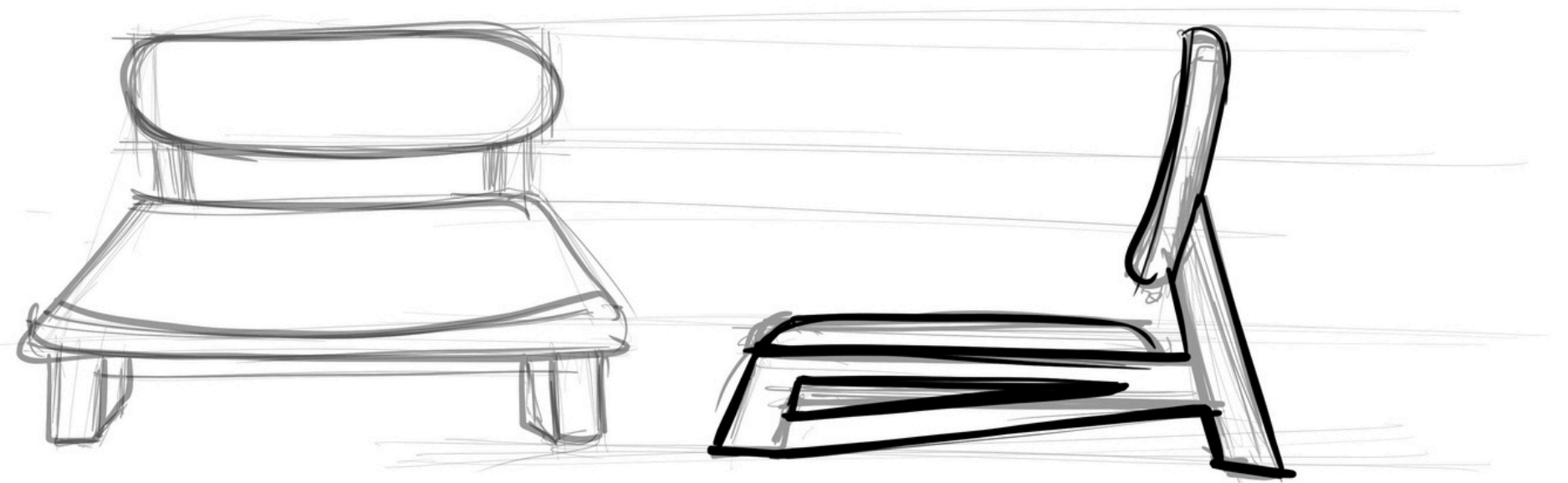
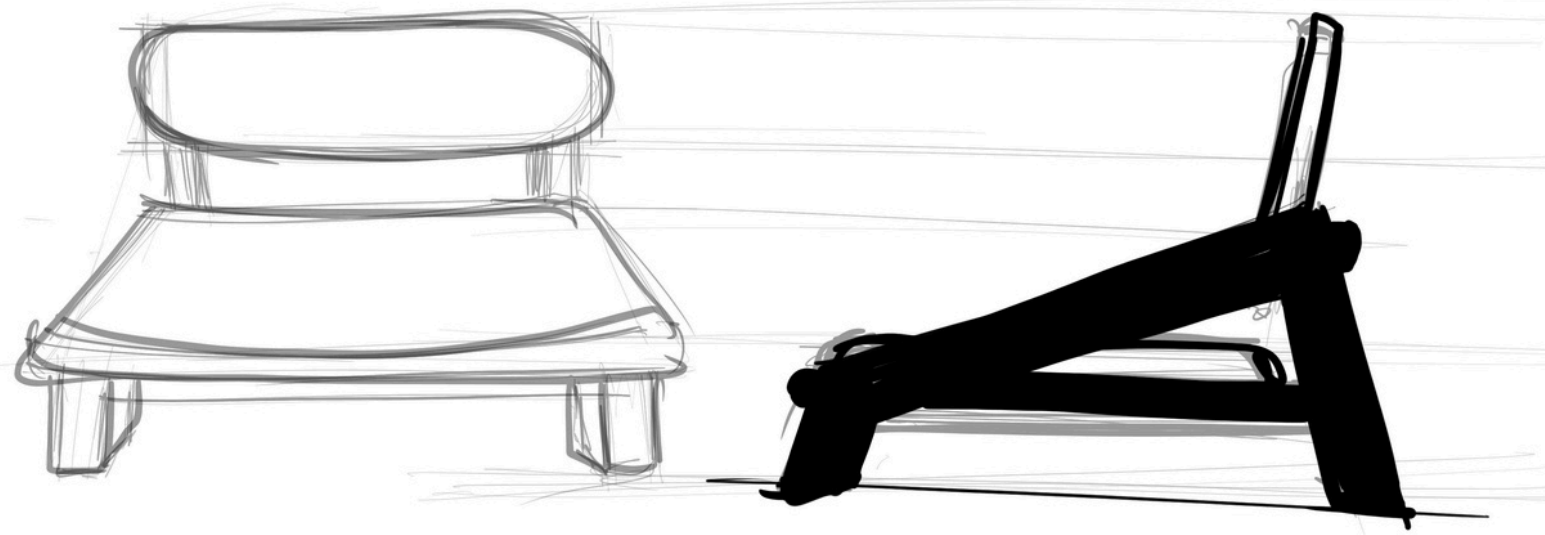
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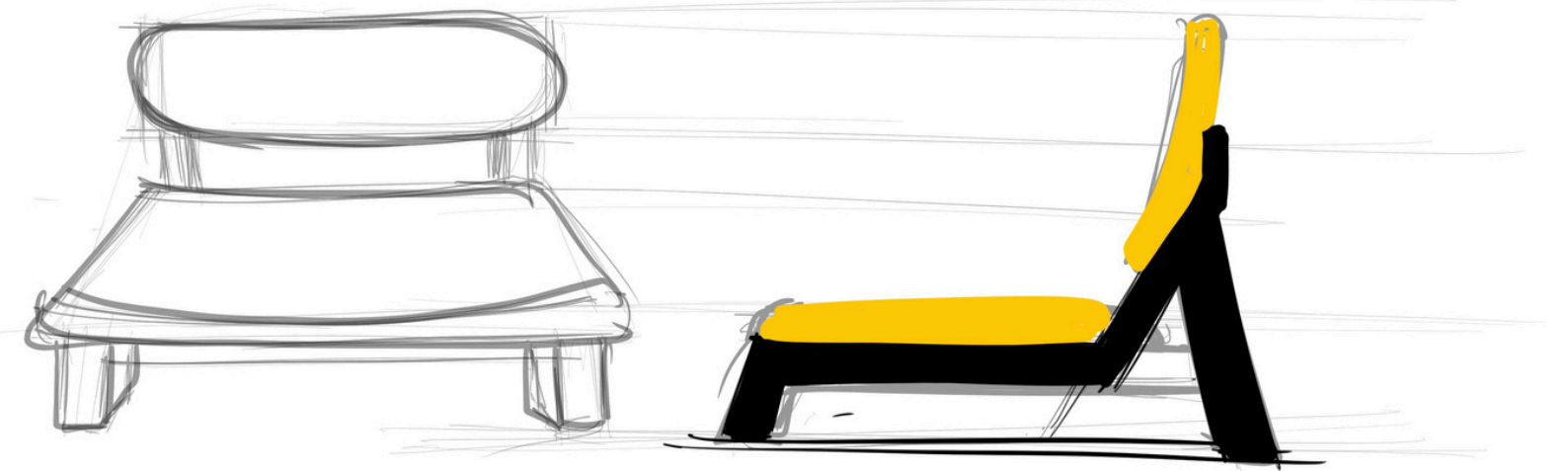
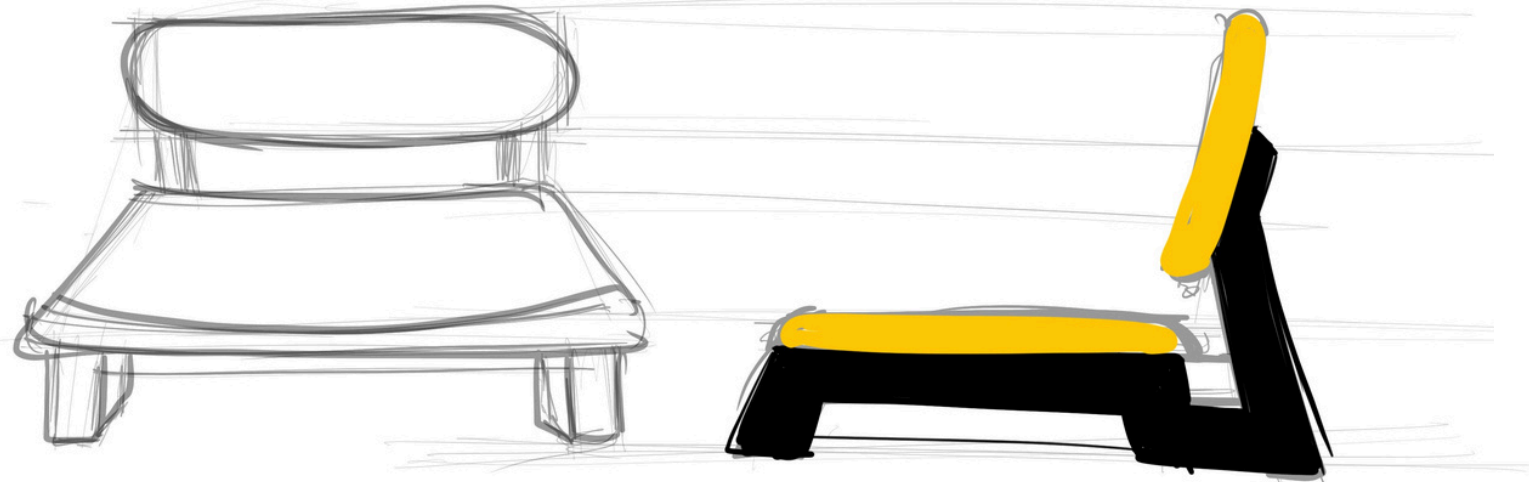
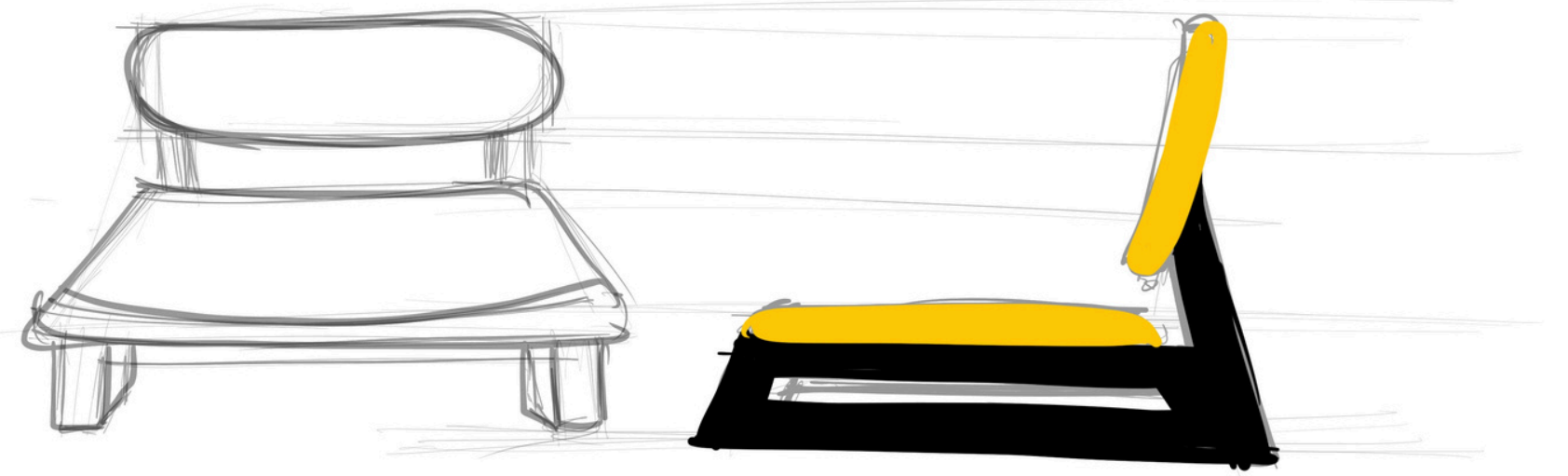
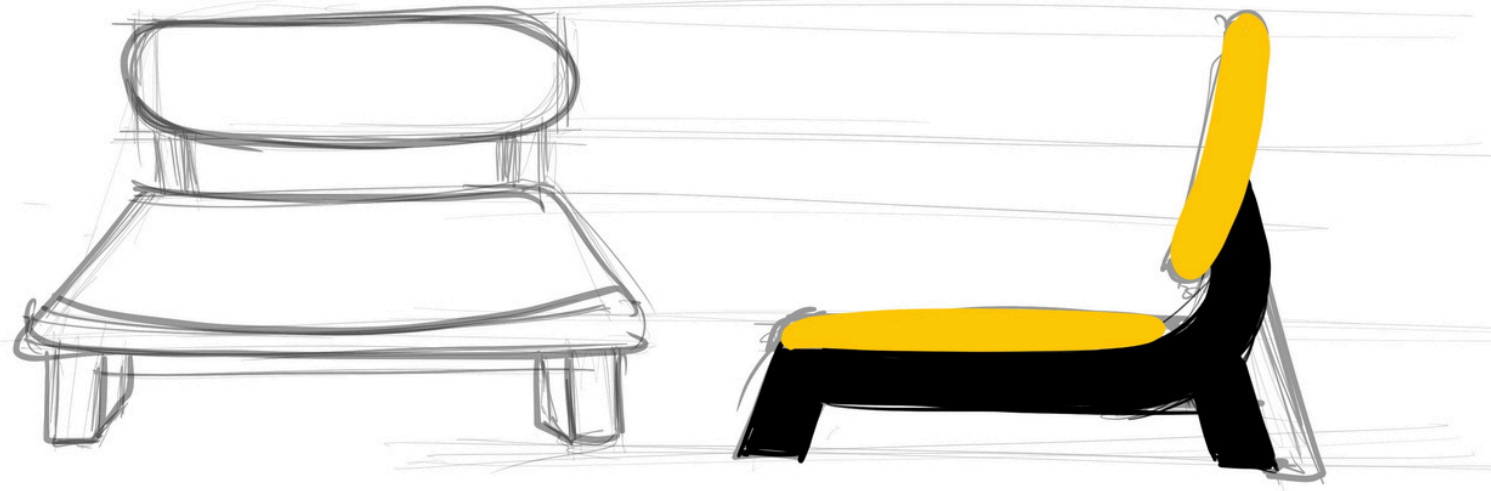
ITERATIONS



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PROCESS PICTURES



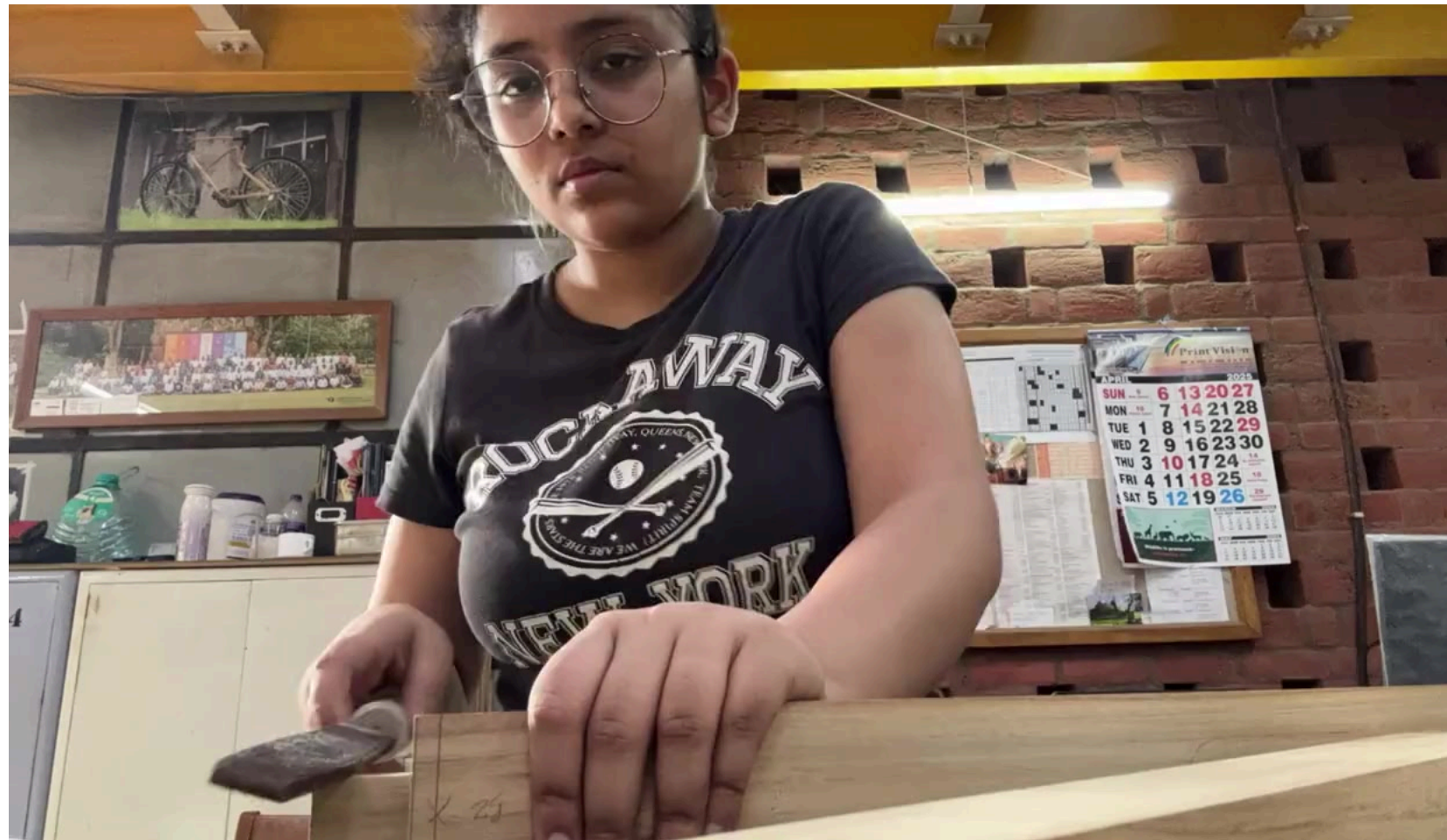
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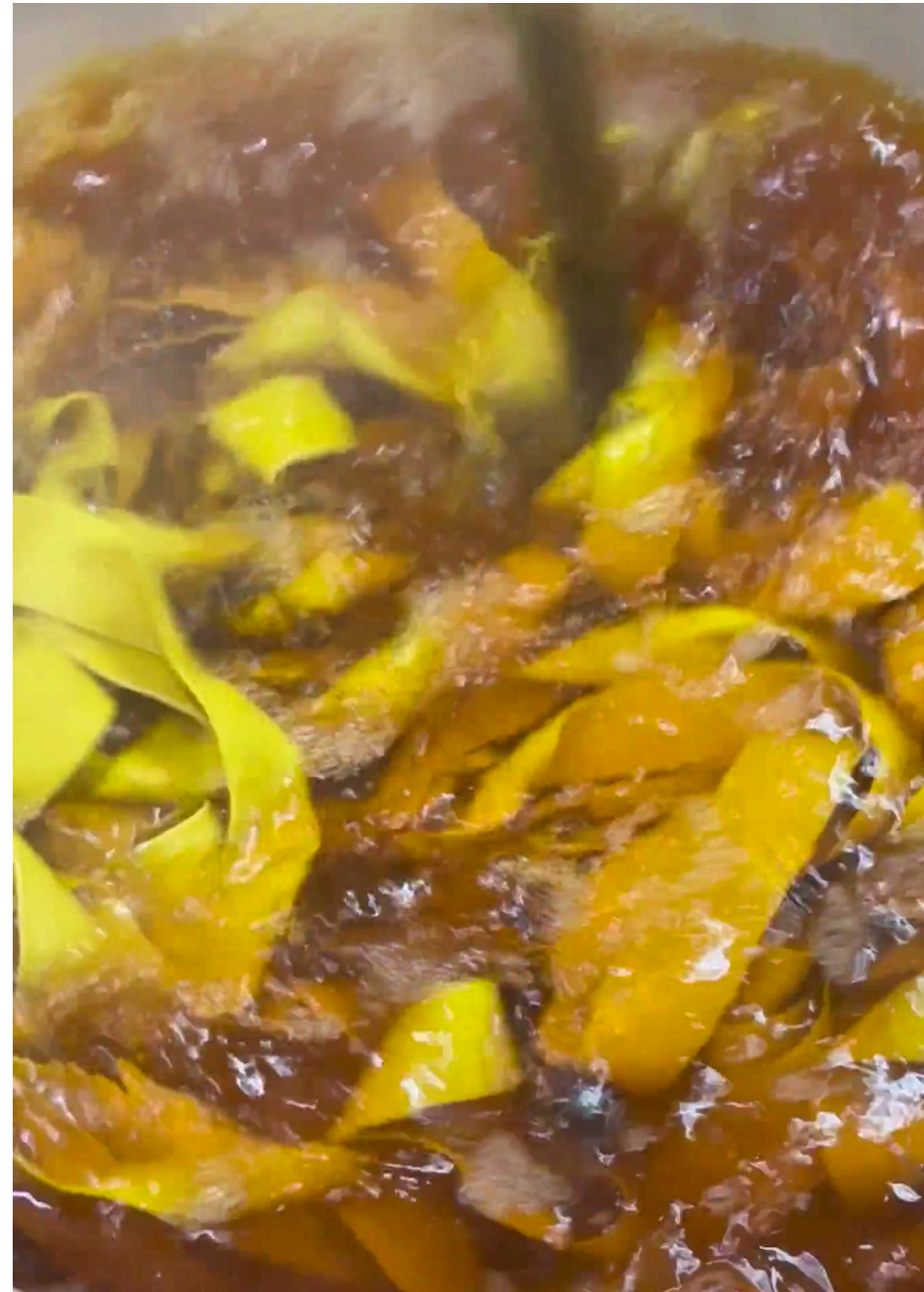
PROCESS PICTURES



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USER TESTING



User testing done with 25 people post completion of the prototype to understand the shortcomings and feedback in general.

By letting the users interact with the furniture for both shorter (3-4 minutes) and longer (15-20 minutes) I wanted to understand how they are interacting with the furniture and whether it is providing the maximum level of comfort to a maximum number of people with a wide range of body types.

Height range - 6'2 - 4'11 ft

Weight range - 45kg - 110kg

USER TESTING



FEEDBACK-

1. 24/25 - The backrest angle at the lower part was just right for dining and working purposes while the size of the backrest helps in letting one lounge on it as well.
2. 22/25 - the height of the chair is just right for them to sit comfortably cross legged as well as sitting with their legs down or in other postures
3. 5 people (height above 6') said that they prefer to keep their ankles resting on the floor even while sitting cross legged
4. 1/25 (height - 6'2) - said that the backrest to part was slightly nudging his bones in his back