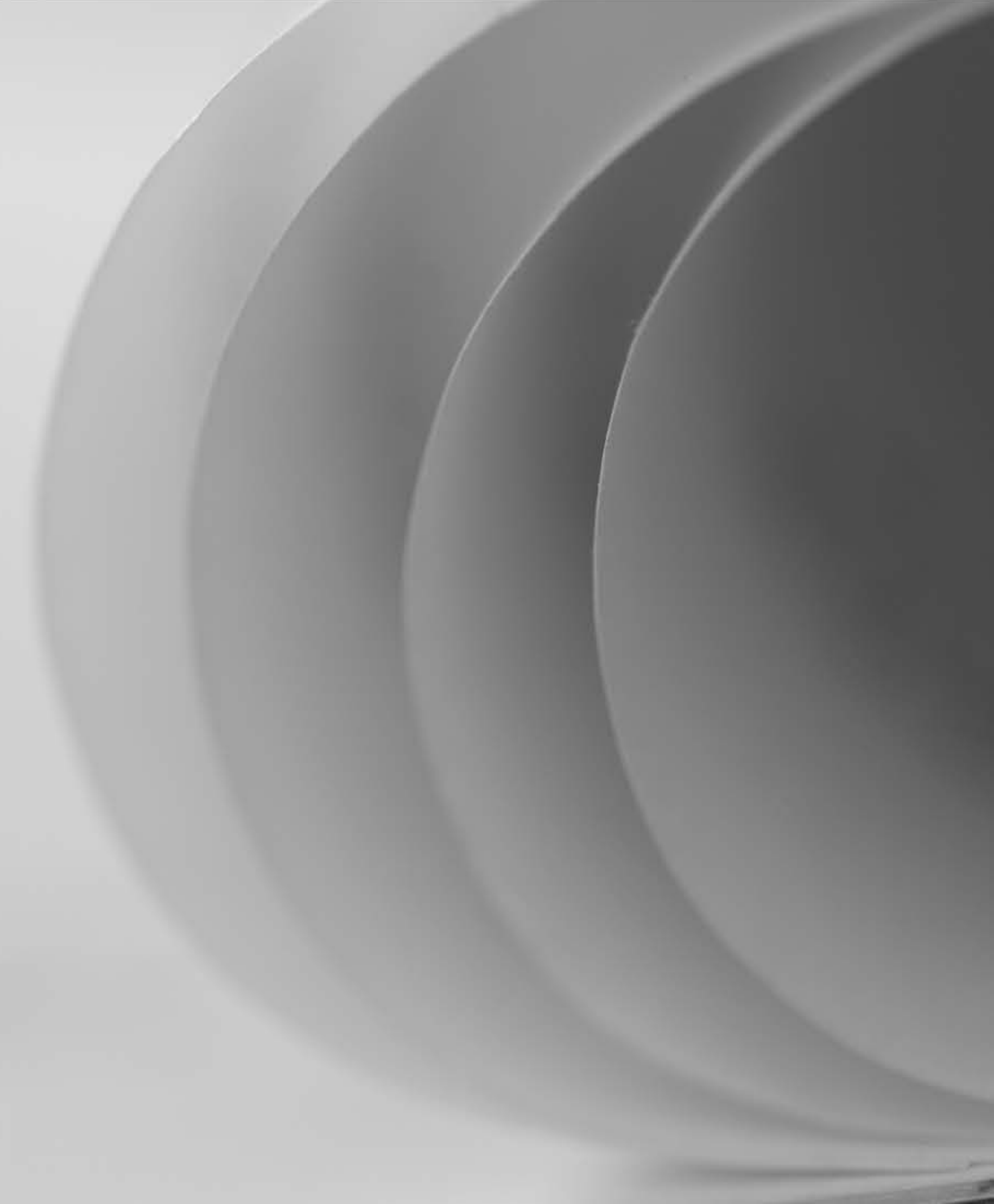




YİĞİTACET  
DESIGN PORTFOLIO





Hello! I'm

# yiğit acet

## CONTACT

ygtacet@gmail.com

+90 552 686 66 66

linkedin.com/yigitacet

behance.net/ygtacetdesign

## ABOUT ME

I am a junior industrial design student at Middle East Technical University. For me, design is the process of proposing a solution that promises humanity a sustainable world. I would like to share my portfolio with you!

## EDUCATION

Middle East Technical University Department of Industrial Design  
2016-Ongoing

Sistem College Konya/Turkey  
2015-2016

Meram Anatolian High School Konya/Turkey  
2012-2015

## EXPERIENCE

Reotek UX/UI Design Intern  
6 weeks, 2021- Ongoing    Ankara/Turkey

Cunda Sim Otel Marketing Manager  
Seasonal, 2017-2021    Ayvalık/Turkey

Dinç Kalıp Plastik San. Tic. Ltd. Şti. Manufacturing Intern  
4 weeks, 2019    Bursa/Turkey

Middle East Technical University 3D Modelling & Material Practice Intern  
4 weeks, 2018    Ankara/Turkey

## CERTIFICATES

First-Hand Medipol Innovation Design Society, 2021

E-Ticaret Zirvesi Kocaeli University Business Club, 2021

METUBIZ Marketing School Metu Business Club, 2021

Kariyer Günleri Marmara Industrial Engineering Society, 2020

Personal Development Seminar Yaşamartı, 2019

## MEMBERSHIP

ETMK Industrial Design Society in Turkey, 2016

METU Gates Game Technologies, 2018

TEMA Turkish Foundation for Combating Soil Erosion, 2020

## SKILLS

3D Modelling & Rendering  
UX/UI Design  
User-Centered Design  
Design Thinking  
Prototyping  
Visualization

## LANGUAGES

Turkish - Native  
English - Advanced  
German - Beginner

## SOFTWARES

Adobe Illustrator	Blender
Adobe Photoshop	Unity 3D
Adobe XD	Marmoset
Autodesk Fusion 360	Figma
Rhinoceros	Speedtree
Keyshot	



# contents

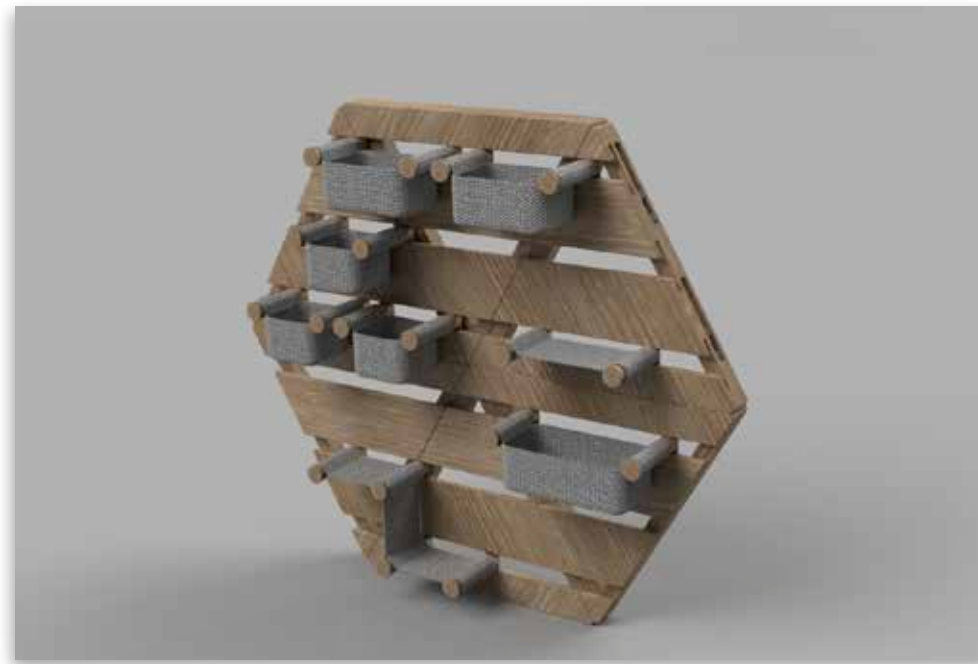
mixit



artasour



tricomb



getup



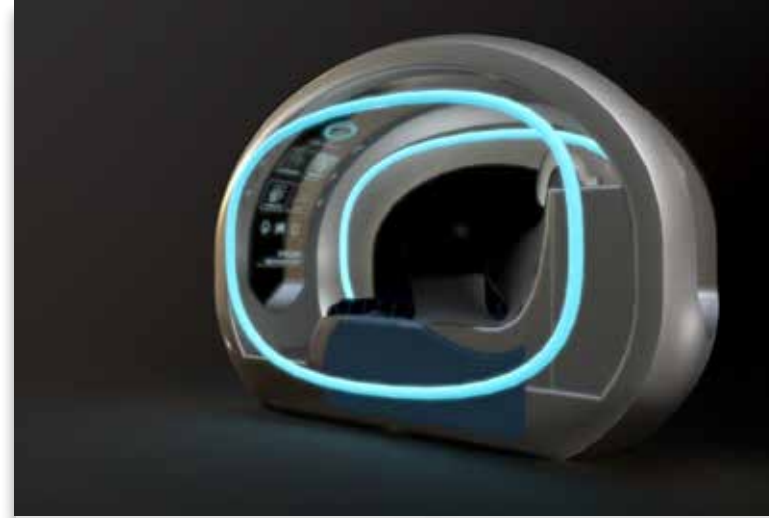
grace



passport



sleepport



graphic design



works in progress





# mixit

METU ID 202  
Industrial Design II  
2020  
6 Weeks



A handblender that aims to increase the positive moods of housewives with its color and style of design and offers the possibility of use in horizontal and vertical axes.





# research

## USER OBSERVATIONS



User must be **standing** to use the product. The body remains in an upright position. There is a risk of low back pain in extended use.



User's arm is about **120 degrees** to enable the hand blender to rotate. With extended use, there is a risk of pain in the elbow and shoulder. They have difficulty **pressing with one finger**.



They cannot use hand blenders on the counter due to their **circular and curved surfaces**.

## PERSONA

### Bio

She is excited about using new devices. She has a bit of difficulty in understanding the technology; thus, she wants to learn and use it effectively. She takes help from her children and grandchild about how to use her new smartphone.

### User Habits

- \* Cooking, spending time in the kitchen
- \* Walking everyday
- \* Having big family dinners and cooking for people she love

### Why She Uses Hand Blender?

- \* It mashes the food homogeneously
- \* It crashes food fast

### Frustrations

- \* Long-term use causes hand pain
- \* During storage some parts can lost
- \* The abrasion of the plastic transparent mixer cup over time



MERYEM SAYAR  
60, Ankara  
Housewife

## moodboard



Moodboard for designing an energetic small home appliances that will boost the mods of housewives.

Flat forms are preferred on the surfaces in contact with the ground, and more curved forms are preferred on the surfaces that are held.

**Yellow-Orange** is often considered the brightest and most energizing of the warm colors. It's associated with happiness and sunshine.

## MOCKUPS

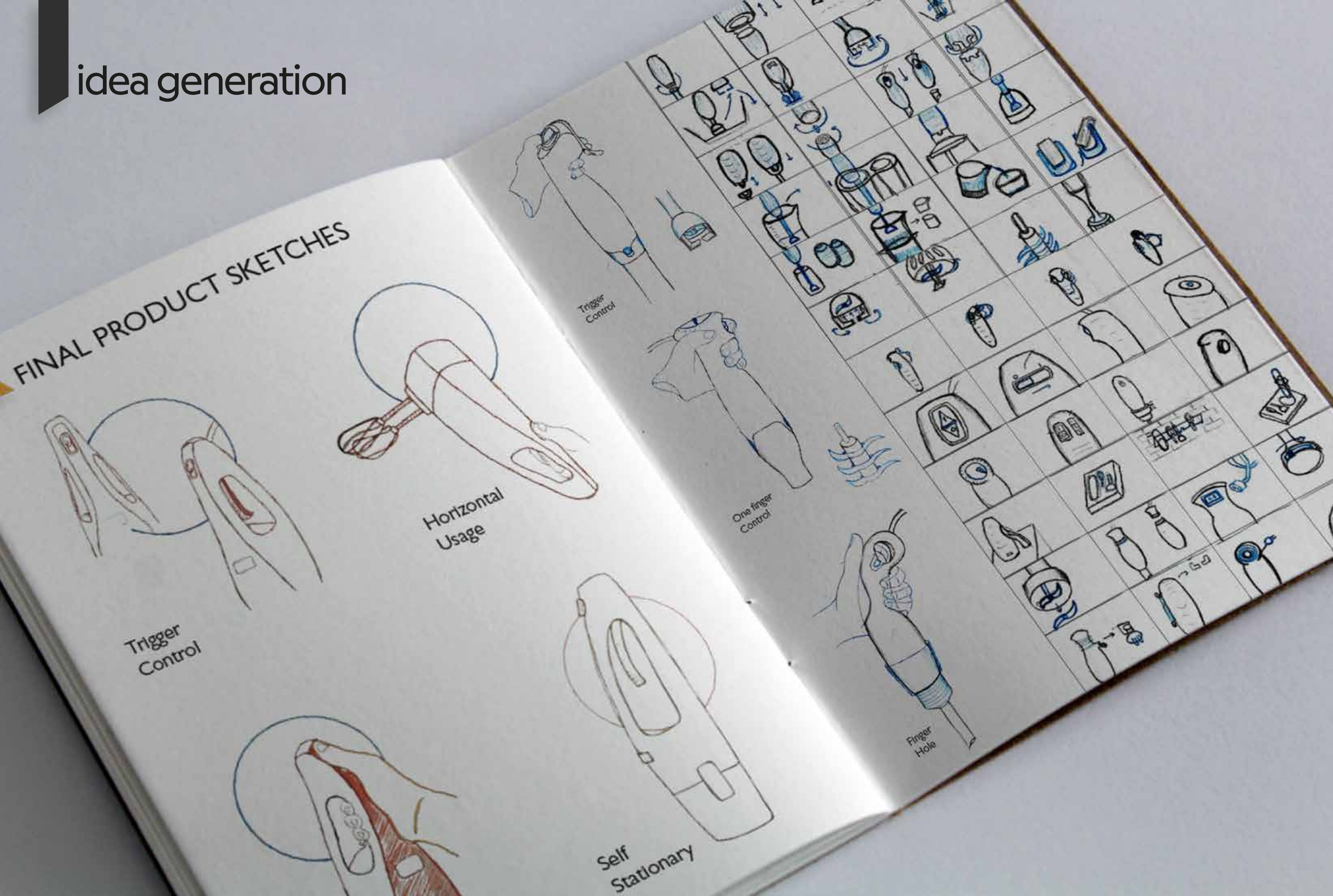


## FINAL MOCKUP





## idea generation

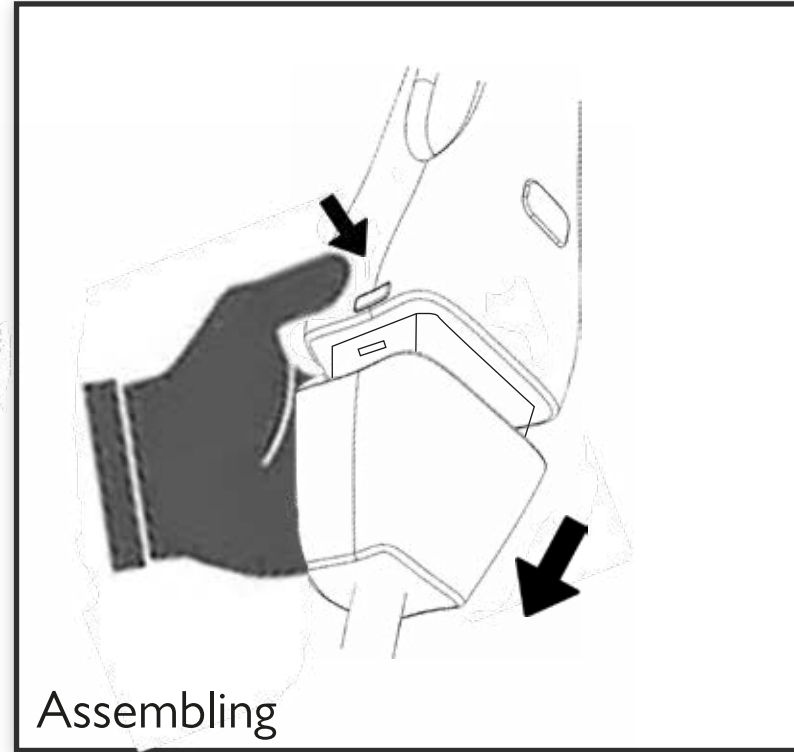
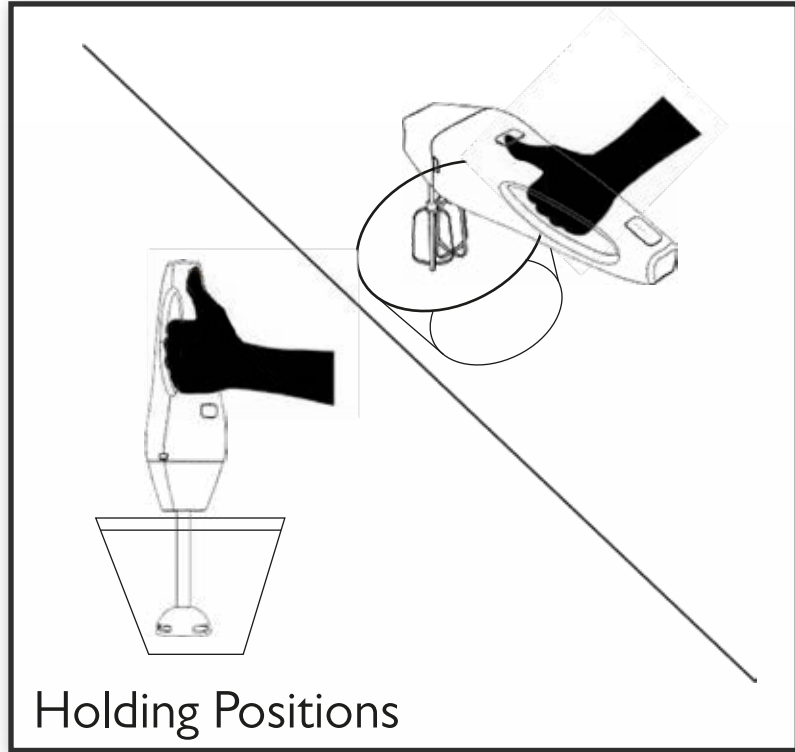
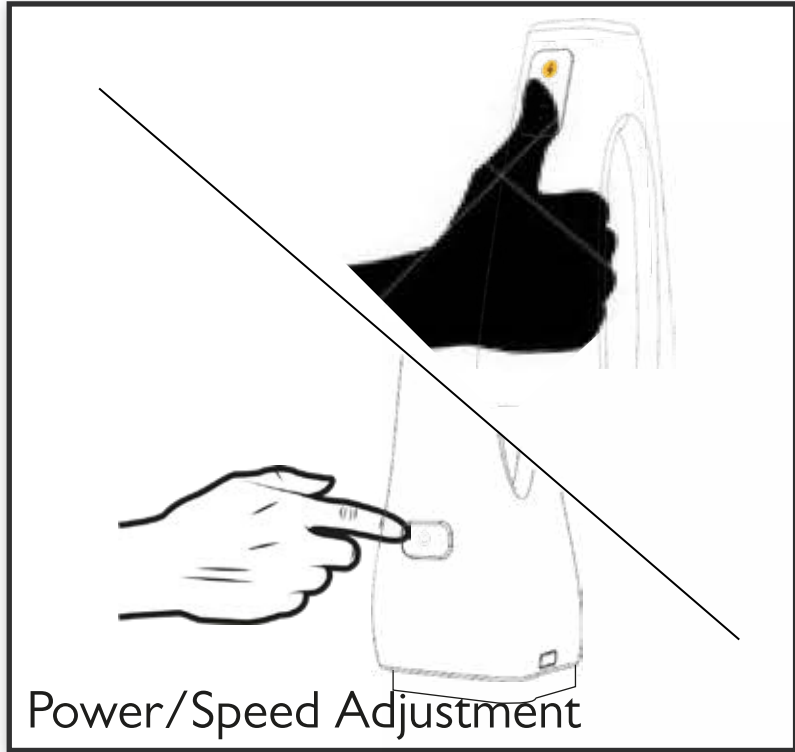
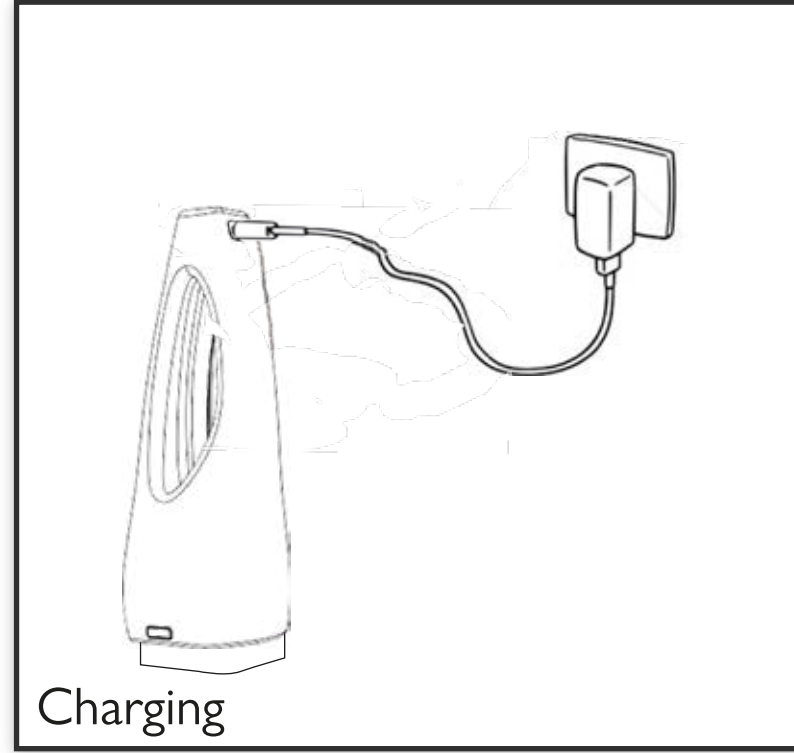
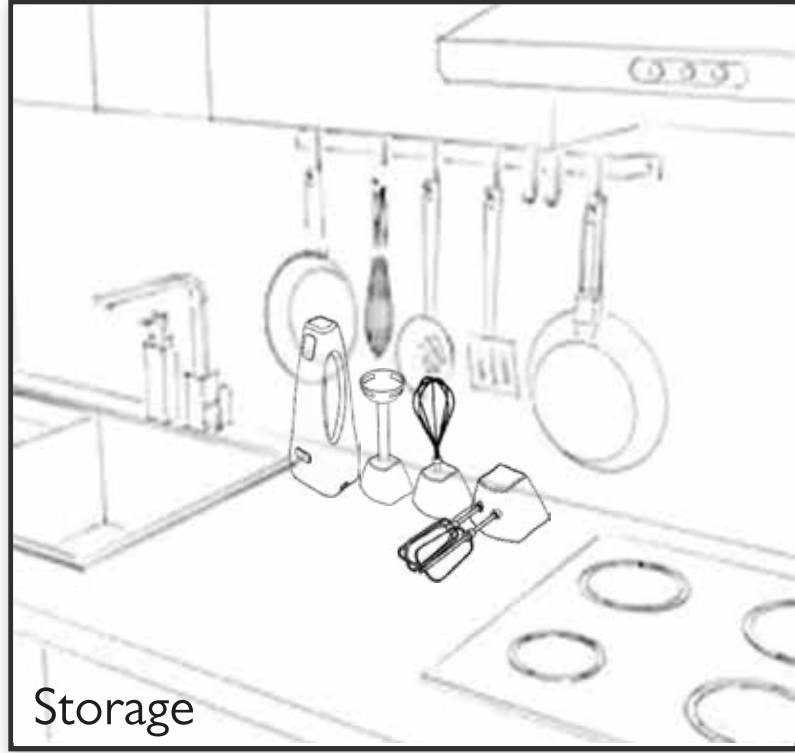
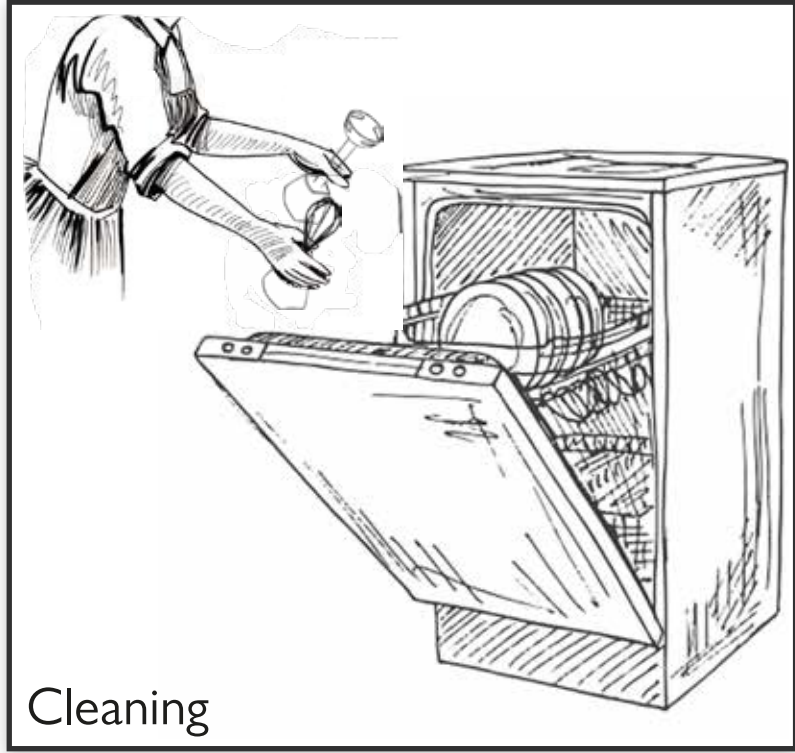


## finalisation

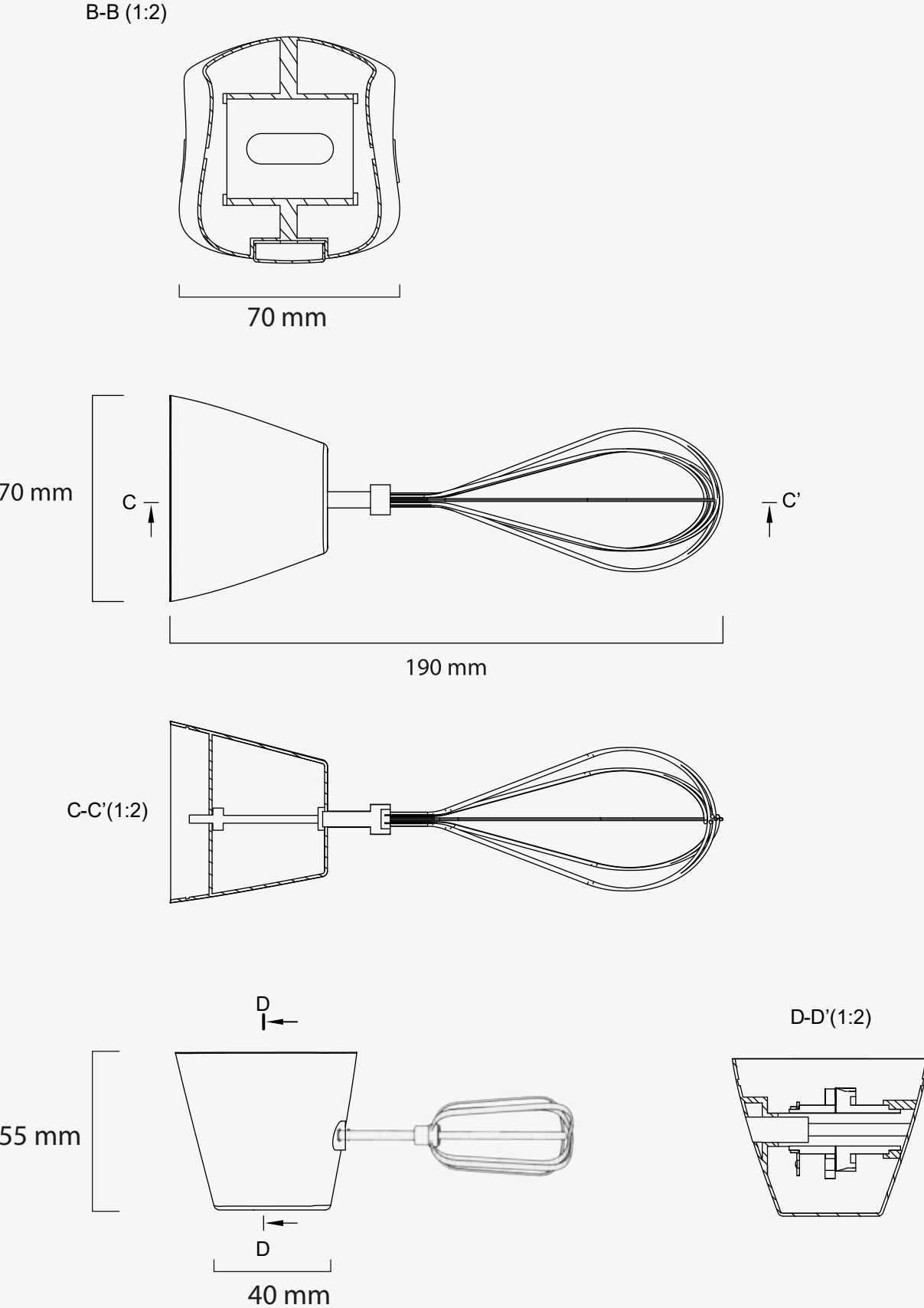
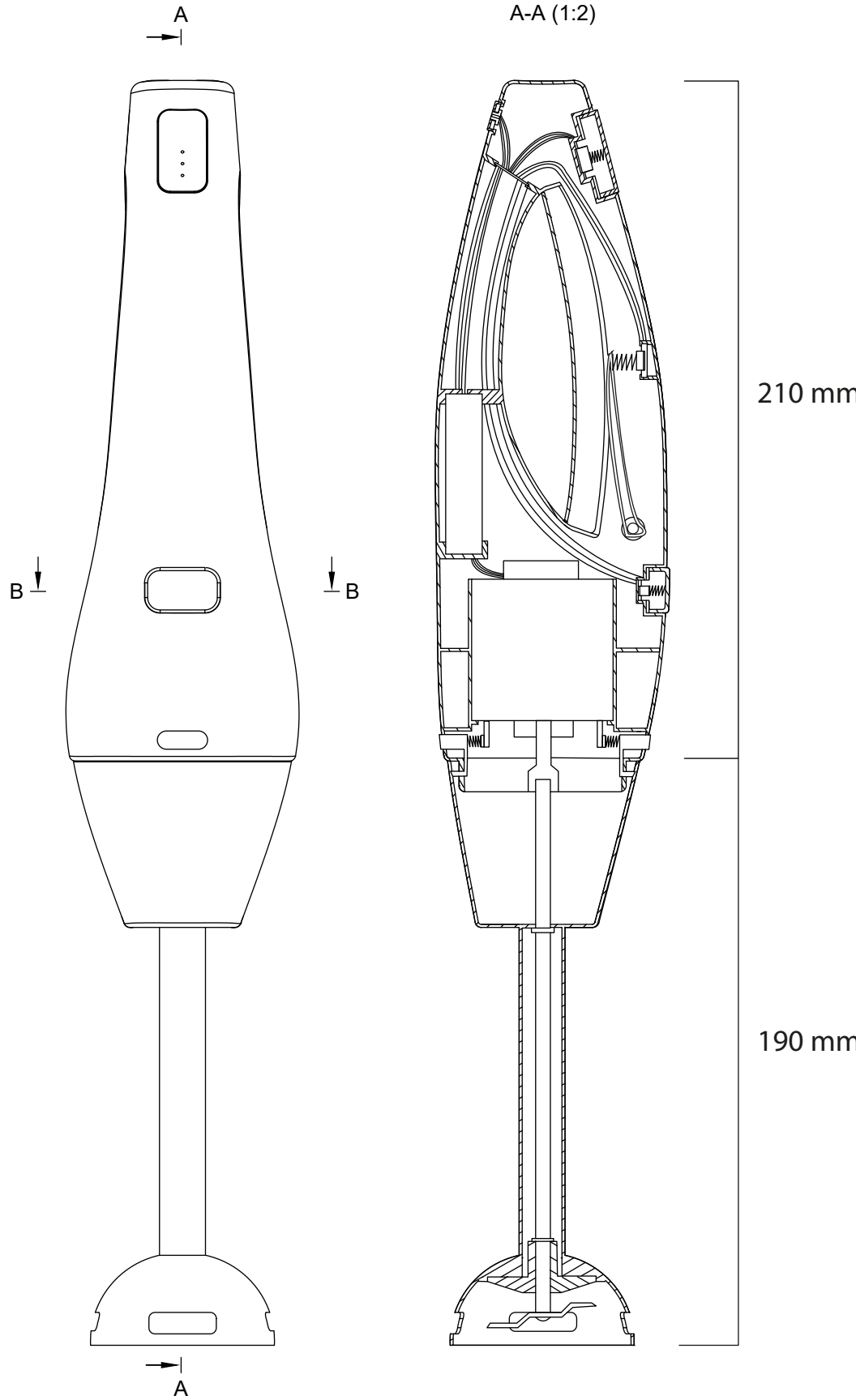




# user scenario



# technical details





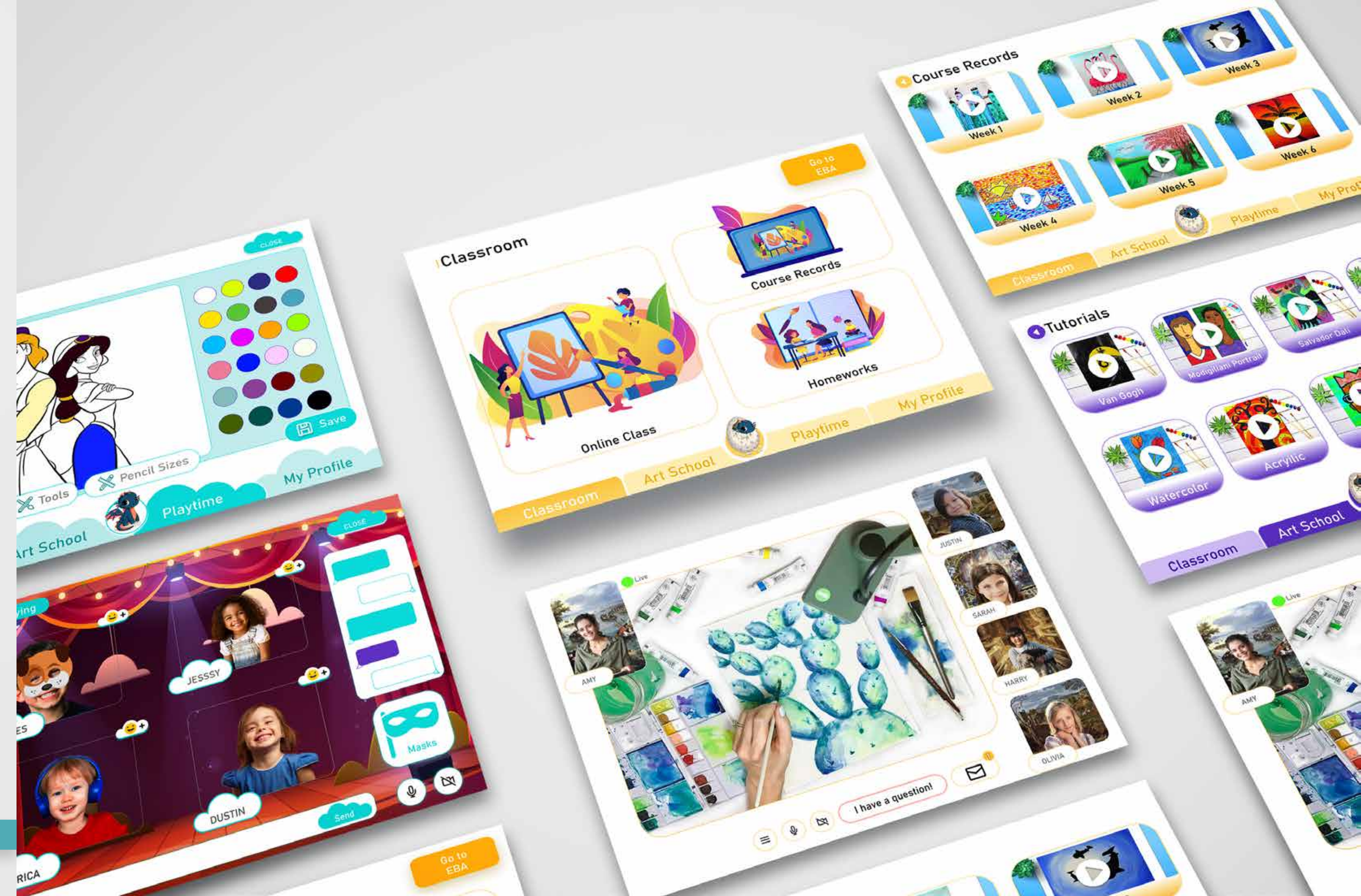
# artasour

METU ID 301  
Industrial Design III  
2020  
8 Weeks

Group Member  
Aya Talhi  
Berfin Su Çınar



Educational app design that supports collaborative work by enhances children's painting and drama experiences in online courses.



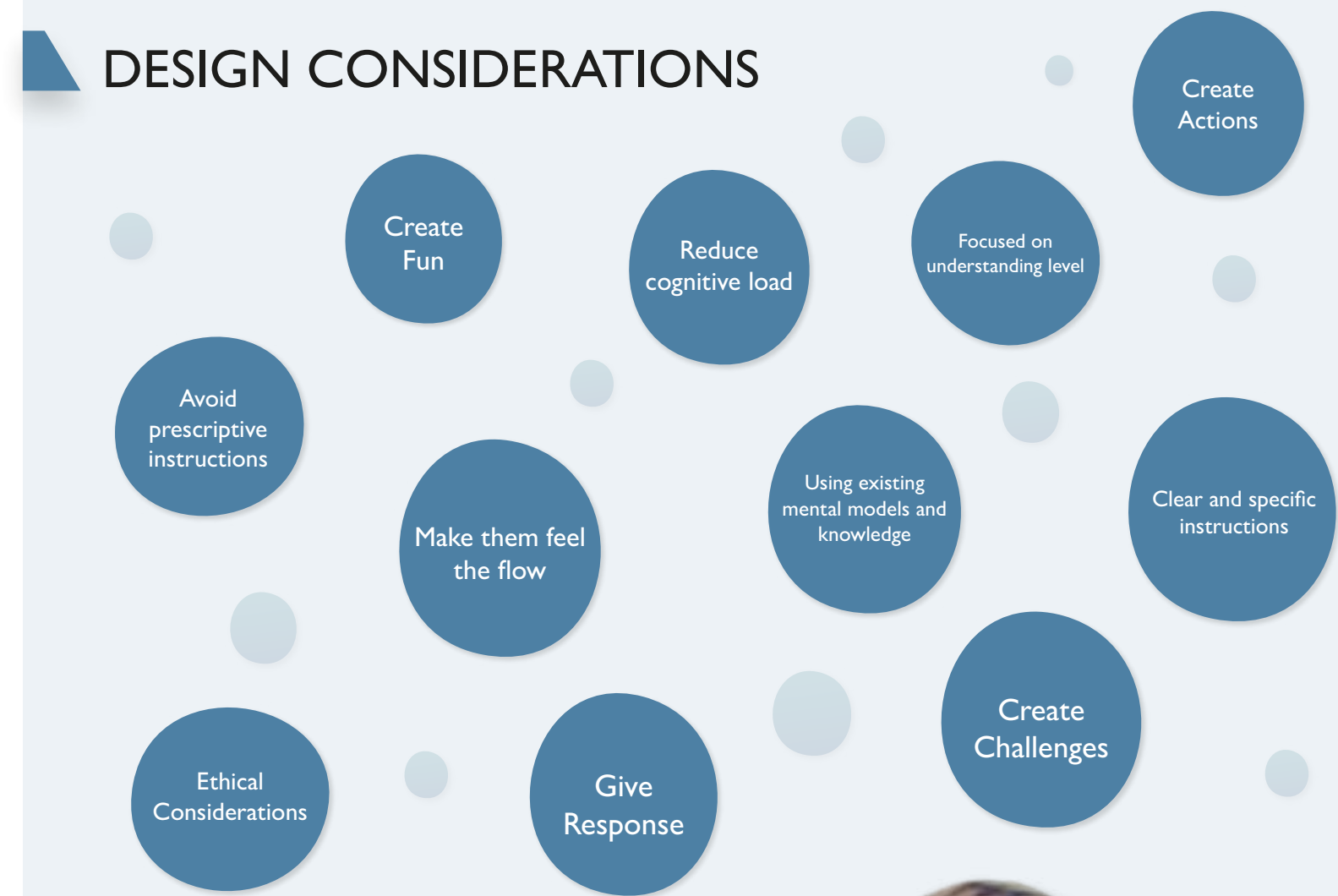


## research

### PROBLEM AREAS

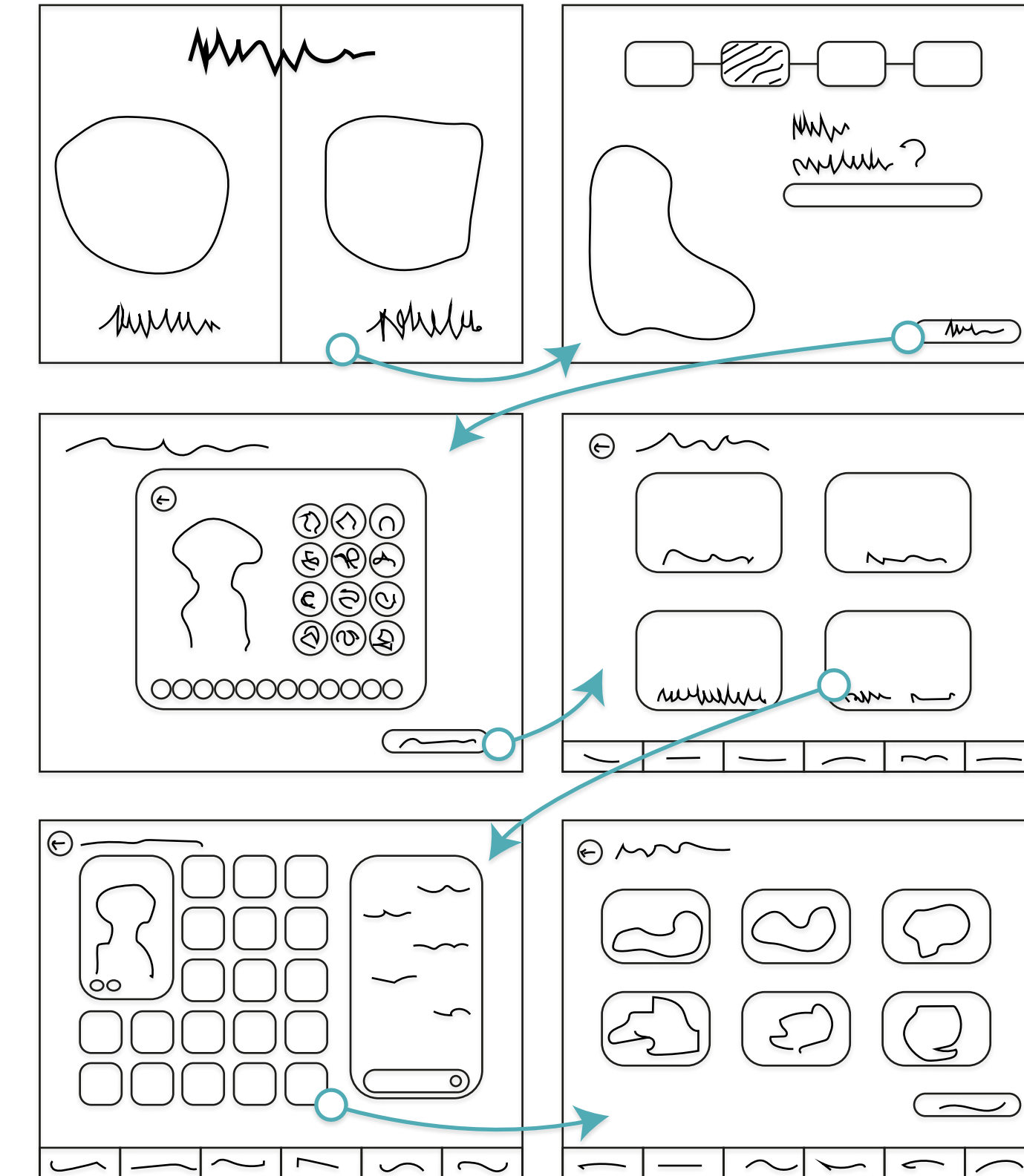


### DESIGN CONSIDERATIONS



## idea generation

### WIREFRAME



### FIRST INTERFACE



Different login options for teacher and student



Step-by-step registration to make it easy for kids to sign up



Character screen where children can create their own characters



A screen where children can create a filter with their own drawings



The playground screen where children can communicate with their friends

## personas

Age 7

Loves painting & drawing  
She has 1 hour painting lesson per week.  
Uses coloring books out of class hours.

Age 11

Loves drama  
She has no drama class in school.  
Watches theater videos and makes imitations.



## co-design session



A warm-up painting activity to introduce and discuss the prospective changes that we put into our interfaces

Let's test the app we designed! We gave control to the child to explore the interface and try the commands

Let's play an online painting game that gives the name of an object and 20 seconds to draw the objects

Let's test our second app! We gave control to the child to explore the interface and try the commands

Let's play a pop-Art game that child draws and take a picture then send it to us to simulate "upload a drawing" command in the app

## INSIGHTS

Children of different ages are interested in different visual languages

Children wanted to see the visual references they saw at school on the app

Children find it difficult to communicate with their friends online

They do not engage in activities that will interest them in the online environment

Activities to improve themselves outside of class hours are limited

They are moving away from collaborative work in online classes

## solution areas

### SUSTAINABILITY



Usage in Connection with EBA



Suitable for Different Age Groups

### PERSONALIZATION



Use Your Own Painted Mask



Age-appropriate Interface Changes



Choose your background

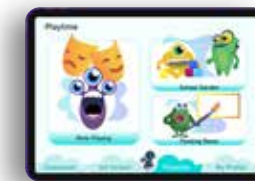
### MOTIVATION



Improve Your Character



Earn Badges



Breaktime Activities

### DEVELOPMENT



Tutorials for Learning Painting

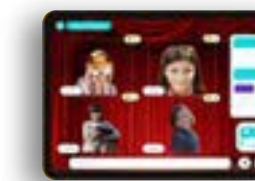


Direct Access to Teacher's Feedback



Missions for Gaining Badges

### COMMUNICATION



Drama Activities



School Garden Function



Feedbacks from Friends

### SHARING SKILLS



Collaborative Work Screen



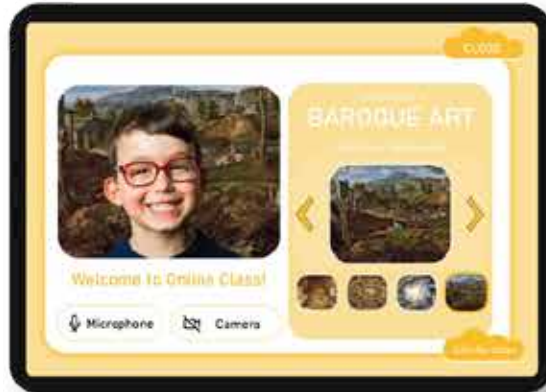
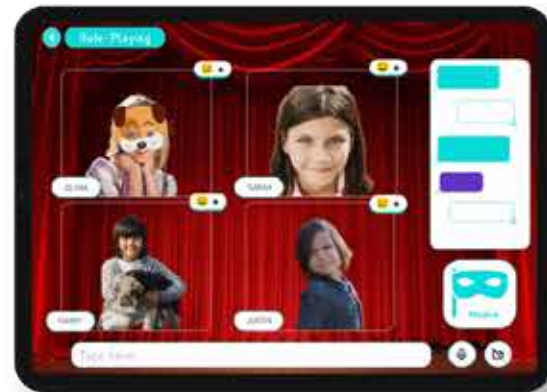
Sharing Paintings in the Exhibition



Sharing Masks in Role-Playing



## finalisation



Interface that can offer different features and visualization according to age groups.

Theater stage and school garden tabs that support children's communication.

Badges and dinosaur development features that encourage children or homeworks and attendance.

App content and interface that encourage collaborative work.

## user scenario



When her lesson ends at EBA, she switches to Artasaur for break time activities.



She starts to chat with her friends in the school garden feature on the couch.



She draws her a mask to play the role-playing game after the painting class.



Her painting class starts, she attends the class after choosing the background.



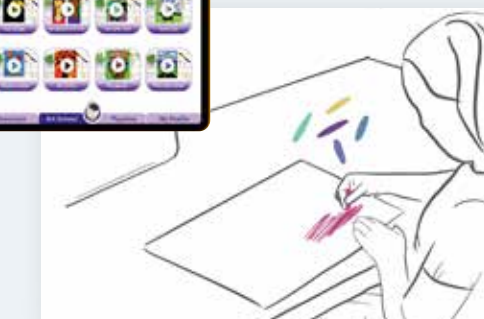
She starts to draw her parts of group work while chatting with her groupmate.



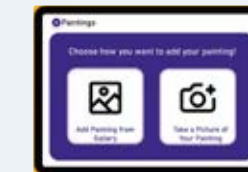
After class, she plays the role-playing game with her friends while using her mask.



While her family watches TV, she listens to her teacher's feedback about her work.



When she wants to draw, she opens a tutorial within the Artasaur.



When she finishes drawing, she takes a photo and adds it to the painting exhibition.



She shows the paintings in the exhibition to her family.

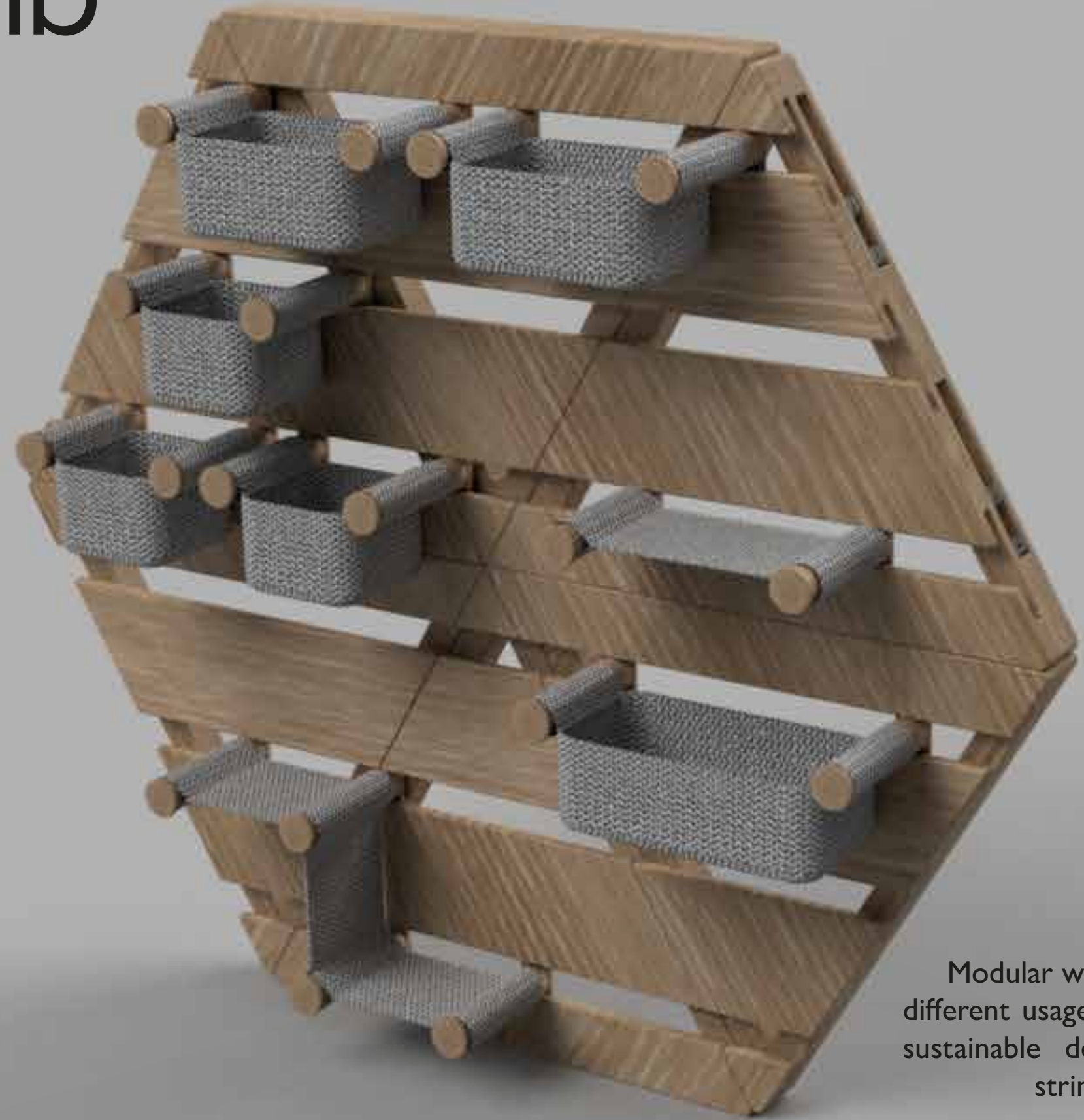


# tricomb

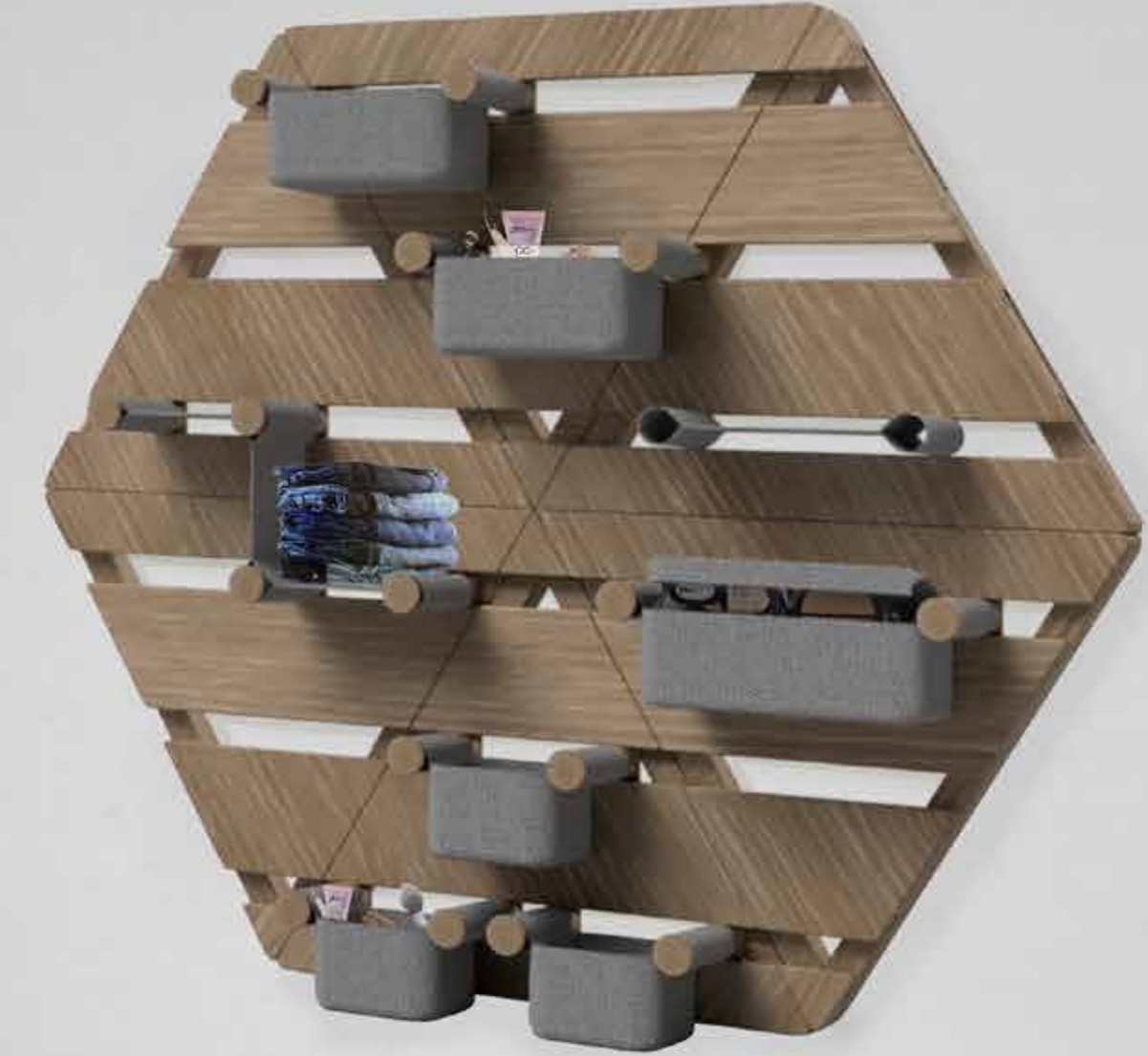
METUID 302  
Industrial Design IV  
2021  
6 Weeks

Group Member  
Ceyda Kara  
Ezgi Çakmak  
Hera Akçay

In collaboration with  
AslıTeks

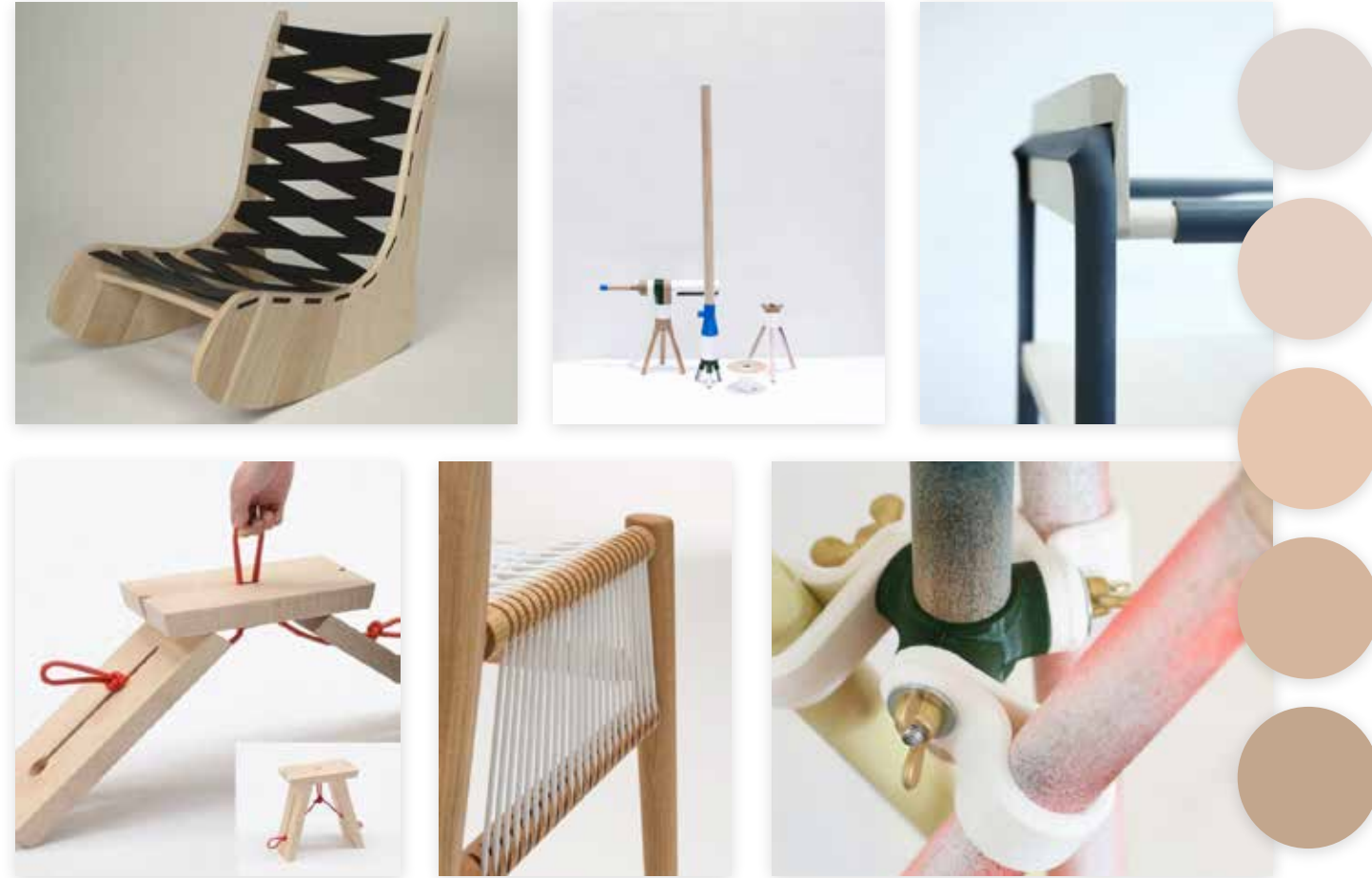


Modular wall organizer that offers different usage organizations with its sustainable design by using waste strings in its manufacturing.





## LITERATURE SEARCH



Mechanical joining methods make the repairing process easier since they can be disassembled.

Some types of joints that can fit in different pieces of a structure can provide flexibility to the users to adjust a product according to their preferences.

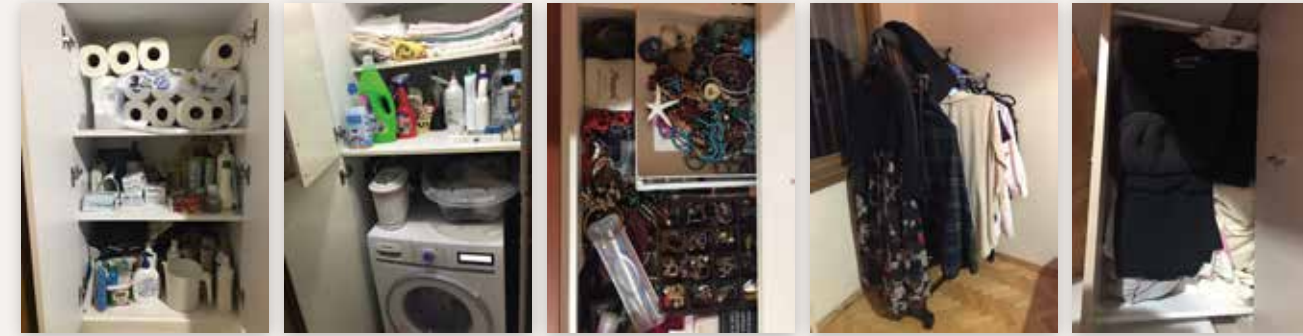
Some connection parts can be handcrafted which makes them easily accessible.

Wooden plates or sticks can be employed to create grids with flexible materials.

Some types of joints that can fit in different pieces of a structure can provide flexibility to the users to adjust a product according to their preferences.

By using ropes flat-pack-like or foldable products can be designed.

## USER OBSERVATION



For personal care items, it is hard to segment the belongings of each family member in the home environment.

Boxes and baskets are mostly preferred as bedside tables and as storage and organizers in the bedroom.

Since the space is small for those living in the student house, it is important that the product to organize or store takes up less space in the room.

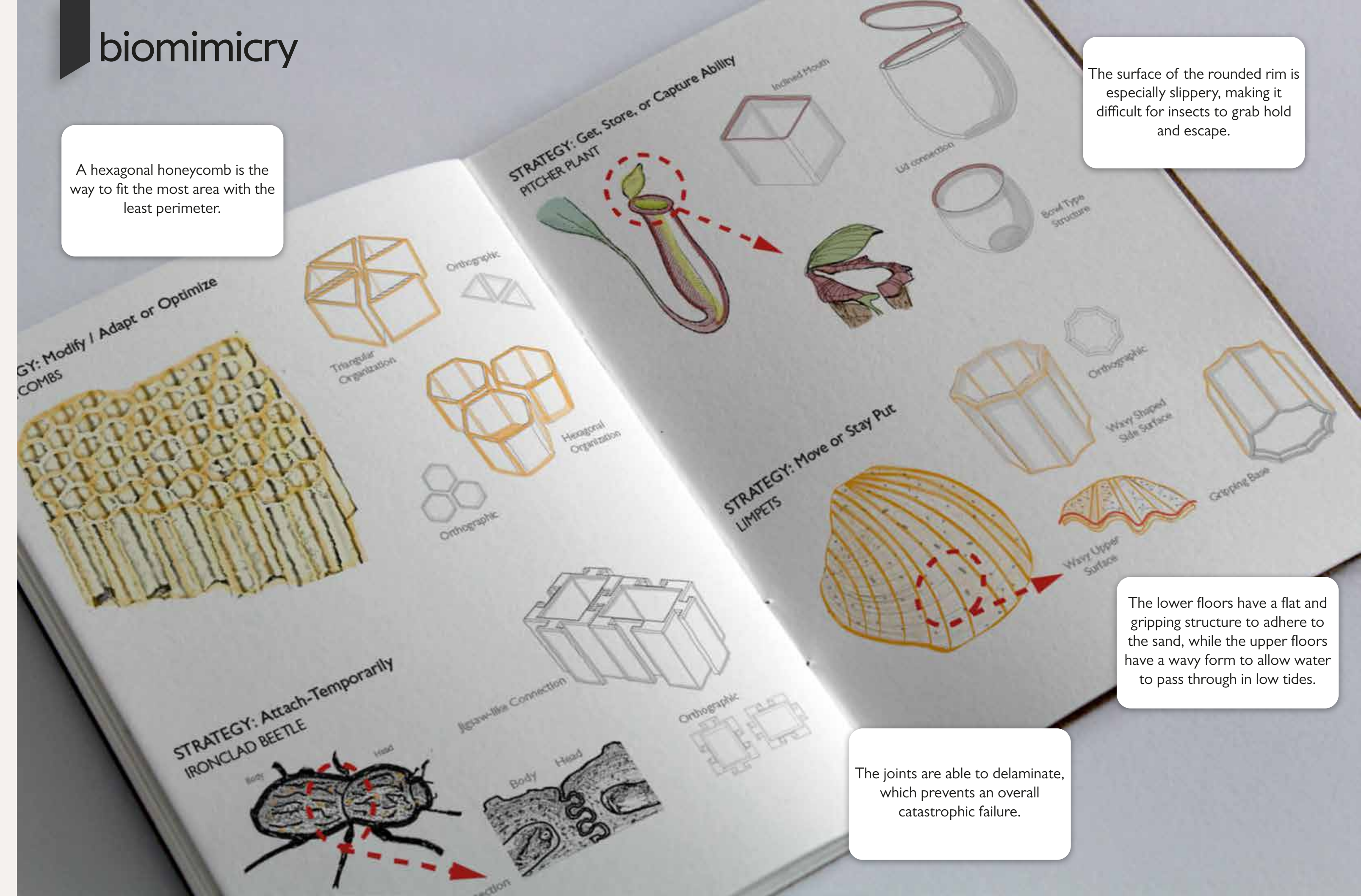
Users prefer products with a lid to hide the mess and to avoid the objects gathering dust.

The stuff that is placed out in the bathroom gathers moisture which can damage the bathroom furniture in long term.

It is difficult to access the belongings when they are stacked in a storage unit.

## biomimicry

A hexagonal honeycomb is the way to fit the most area with the least perimeter.



The surface of the rounded rim is especially slippery, making it difficult for insects to grab hold and escape.

The lower floors have a flat and gripping structure to adhere to the sand, while the upper floors have a wavy form to allow water to pass through in low tides.

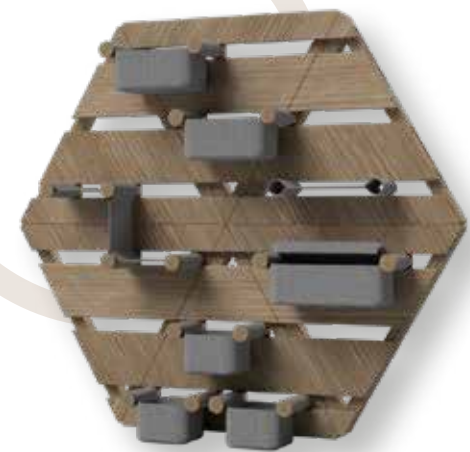
The joints are able to delaminate, which prevents an overall catastrophic failure.



## finalisation

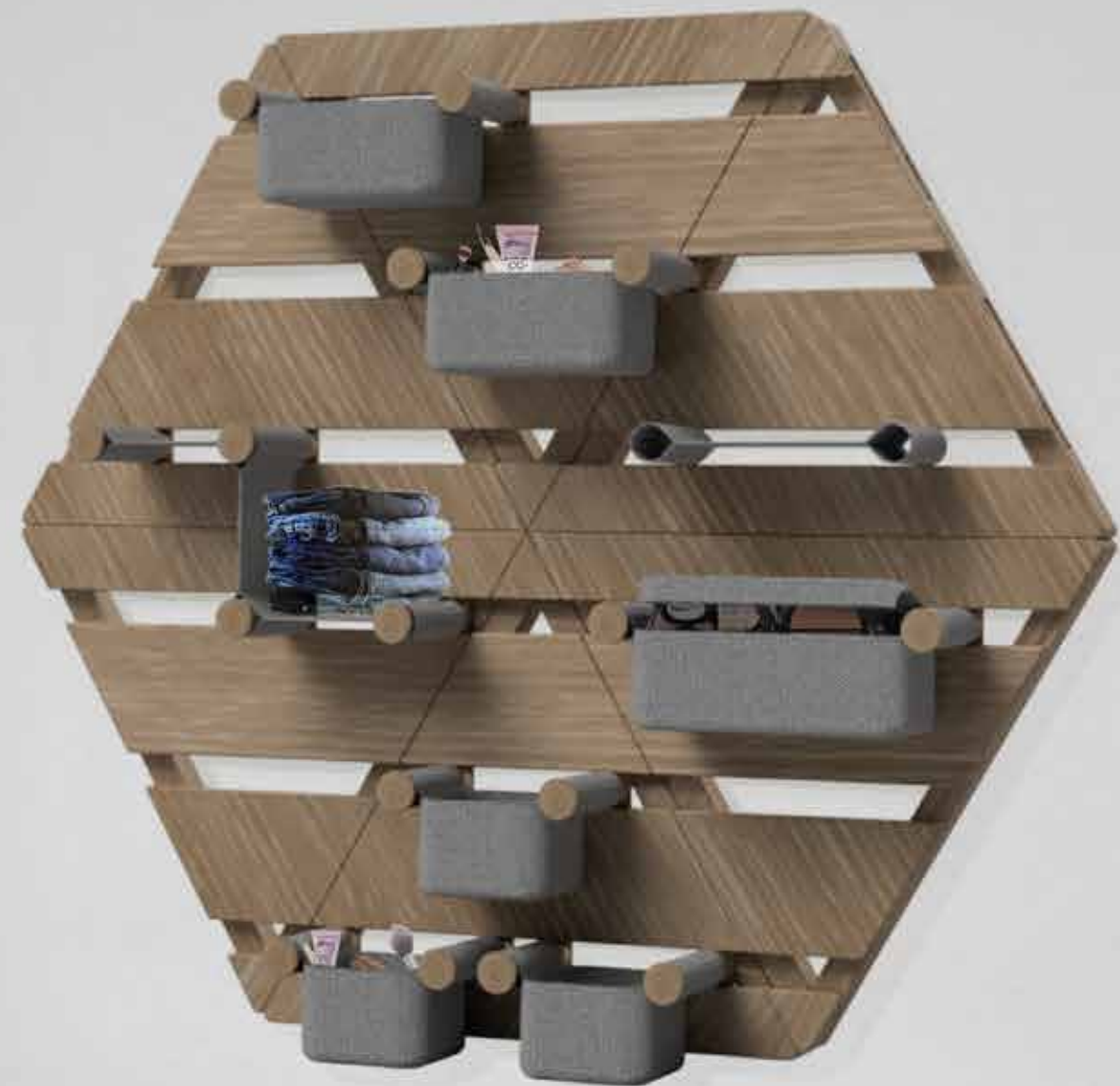
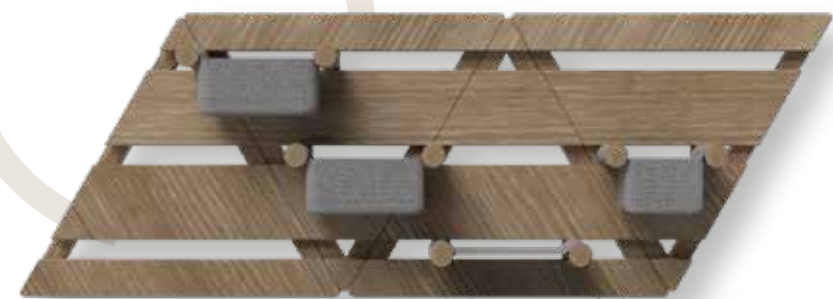
1

Hexagonal organization provides maximum use of space.



2

Offers organizations in horizontal axis with the ability of panels to be attached side by side.



3

Offers organizations in vertical axis with the ability of panels to be attached on top of each other.



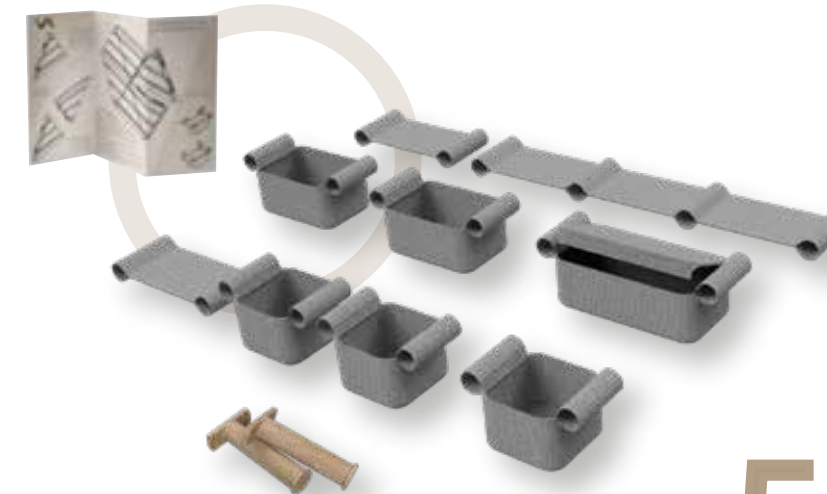
4

Modular triangular panels make it easy to personalize your own space.



5

Different sizes of boxes and fabrics provide flexibility in use.





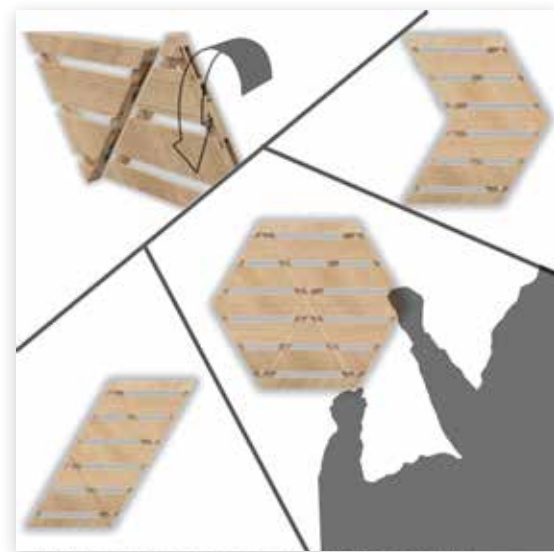
# user scenario



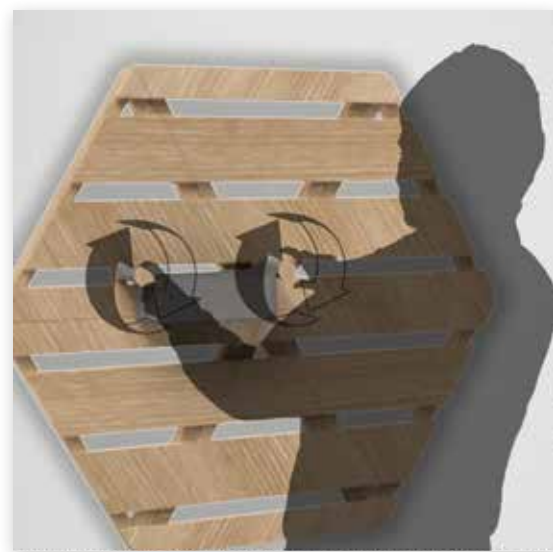
Tricomb organizer comes with a box, including various sizes of yarn boxes sticks and triangular panels.



One part of the panel mounts on the wall by fasteners.



Users can organize the panels divergently according to personal uses in their bedroom.



Users slip the sticks to the spaces in the panels and turn the sticks to prevent them from falling.



Users can personalize the boxes and yarns according to their needs on the panels.



Different materials that users store in their bedrooms can be put together on one place.



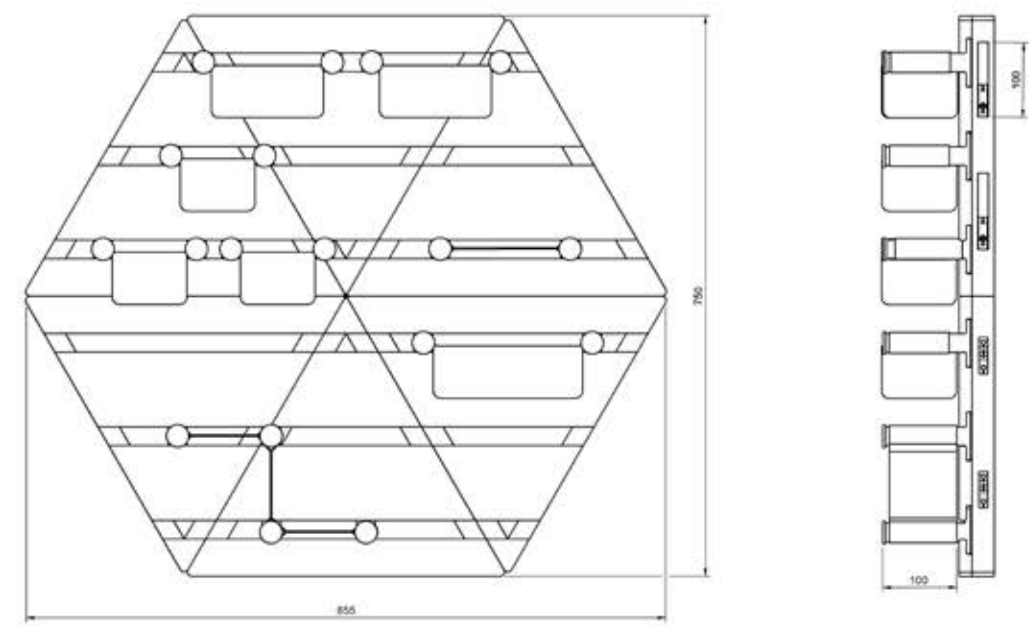
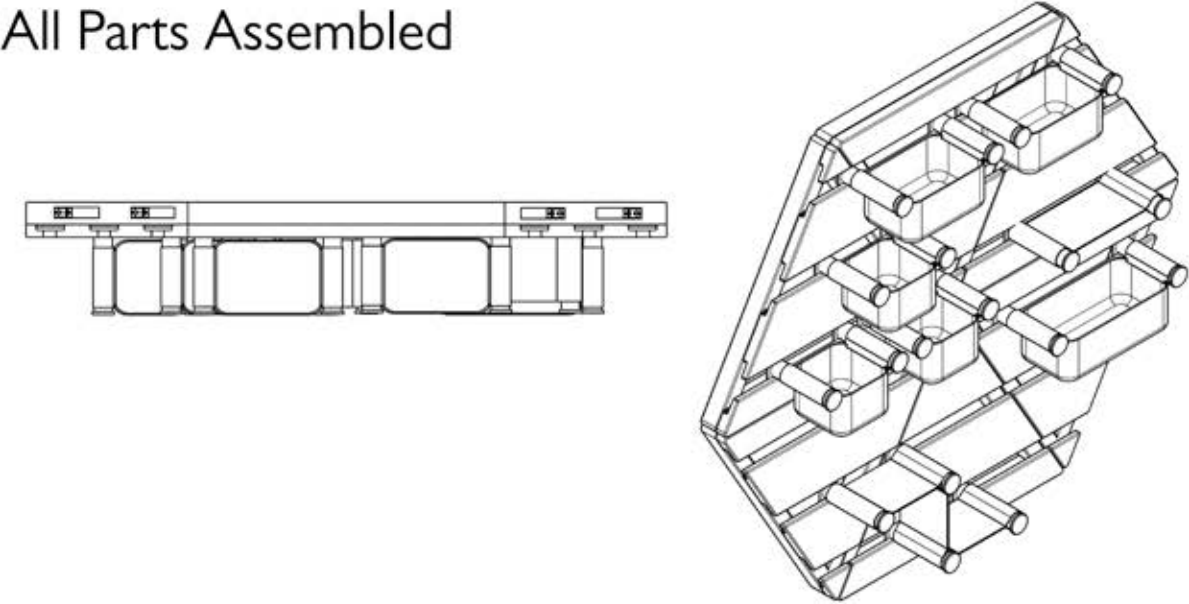
One part of the panel can be separated and hanged on a hook to be used in the bathroom.



Users can separate the fabrics from sticks and wash it in the washing machine when they need.

# technical details

## All Parts Assembled

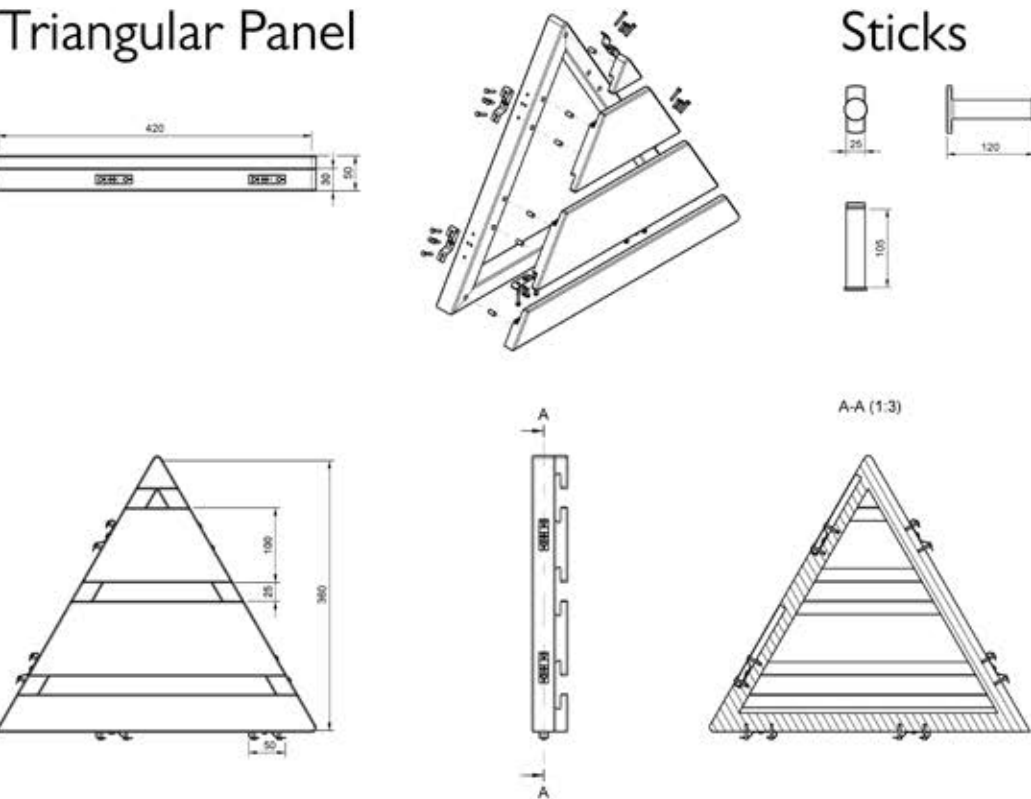


Scale 1:3

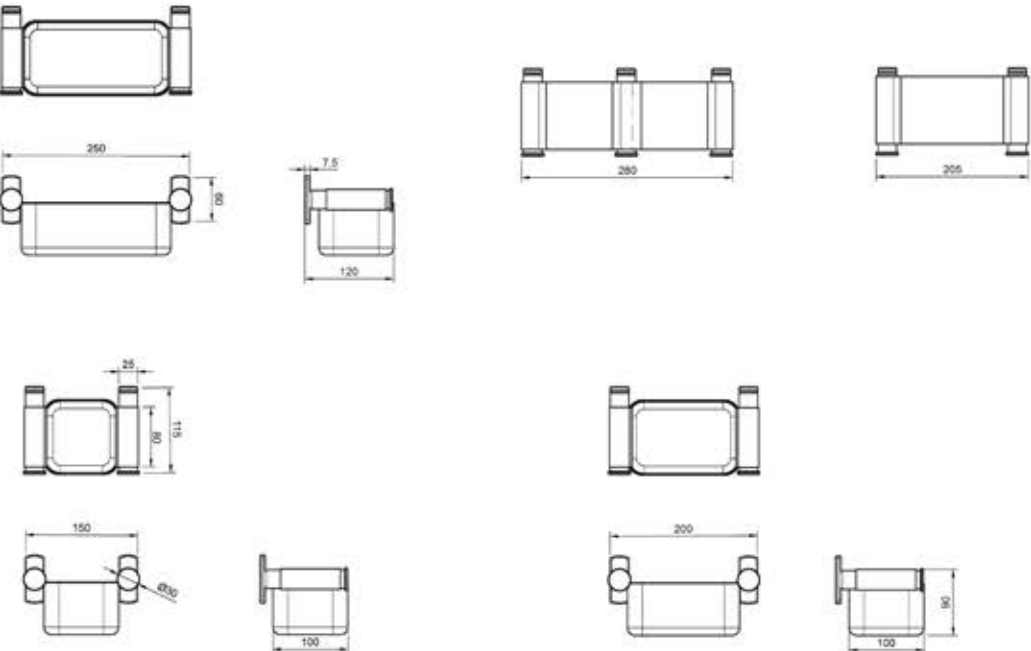
## Crochet Baskets

Rectangular baskets are crocheted with the t-shirt yarn, to nest them in different sizes the starting number of chain stitches is changed. By using a smaller hook the stitches are tightened; thus, more stiff baskets can be created.

## Triangular Panel



## Storage Units in Different Sizes



# MOCKUPS





# getup

METU ID 202  
Industrial Design II  
2020  
8 Weeks

Group Member  
Ekin Aydemir  
Merve Kalan



Study setting encourages movement by offering different exercise options while sitting with its flexible design.

# Getup





## research

### USER OBSERVATIONS

The time spent by working people at the desk increased during the pandemic period.

People who cannot go out due to the pandemic complain of inactivity.

People complain that their tables at home offer single type of use.

There is not enough material in their homes to encourage people to move.

People cannot use large scale exercise equipment at home.

People are looking for office type workspaces while working at home.

### POSTURES



Sitting



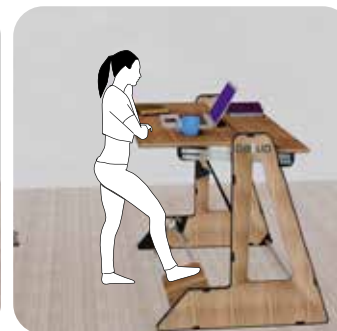
Spinning



Foot rest standing



Balance disk



Standing

### LITERATURE SEARCH

## MOVE FOR YOUR HEALTH!

Sitting more than 4 hours a day harms your health.



Skeletal Problems



Reduced Brain Oxygenation



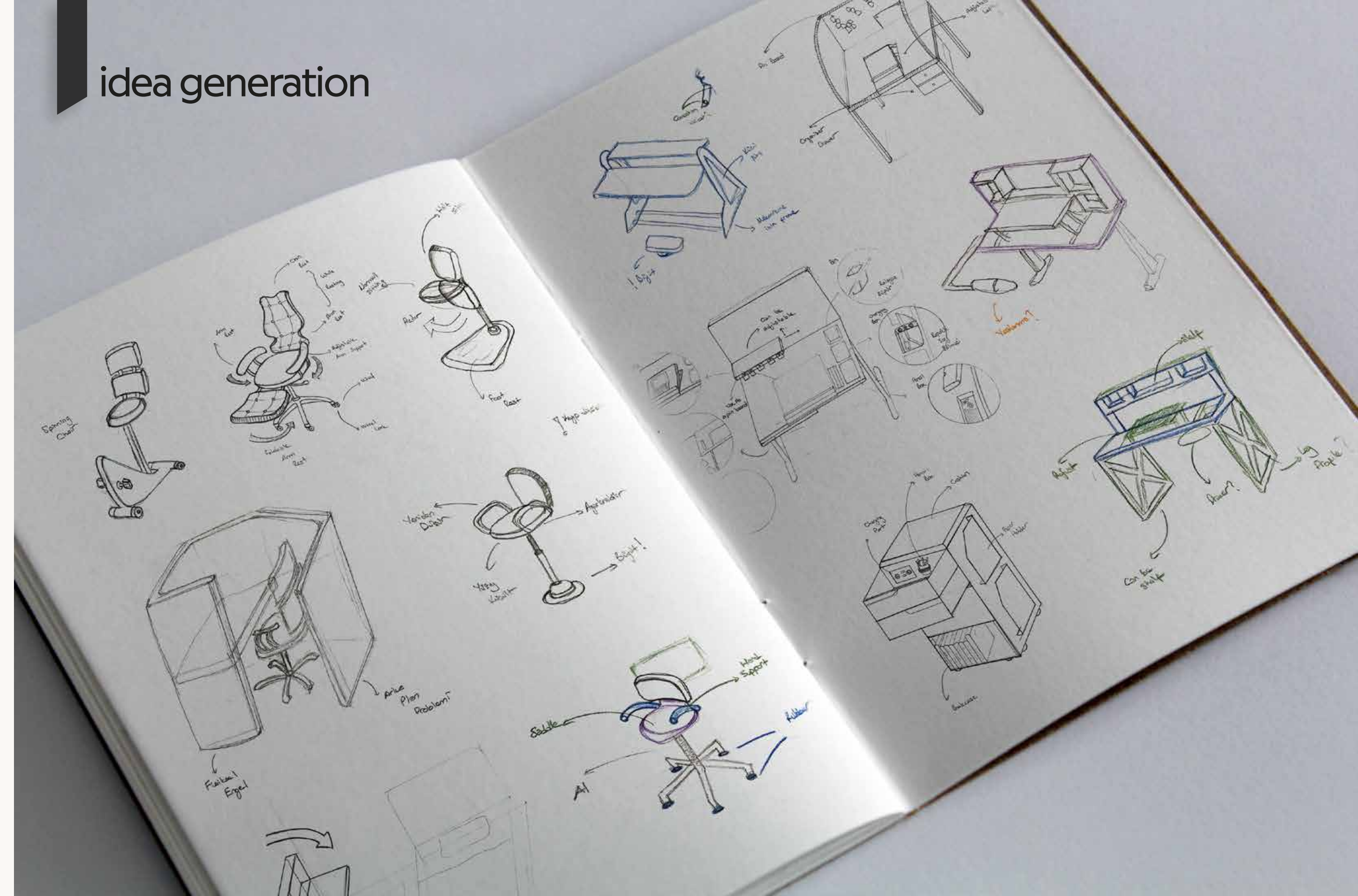
Obesity and Diabetes



Cardiovascular Diseases

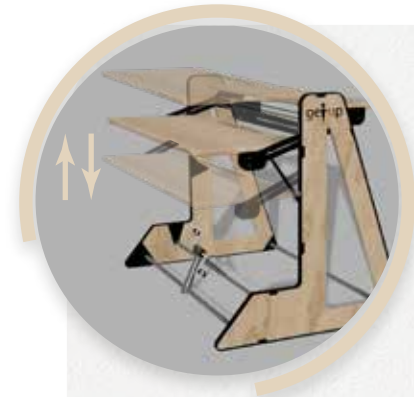
Prolonged and regular sitting position leads to especially blood circulation disorders, degeneration of muscle mass, a decrease in heart and lung capacities, low back pain, digestive problems.

## idea generation





## finalisation



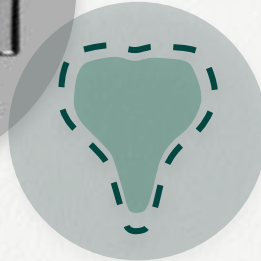
It offers table height from 80cm to 115cm



Cable Organizer



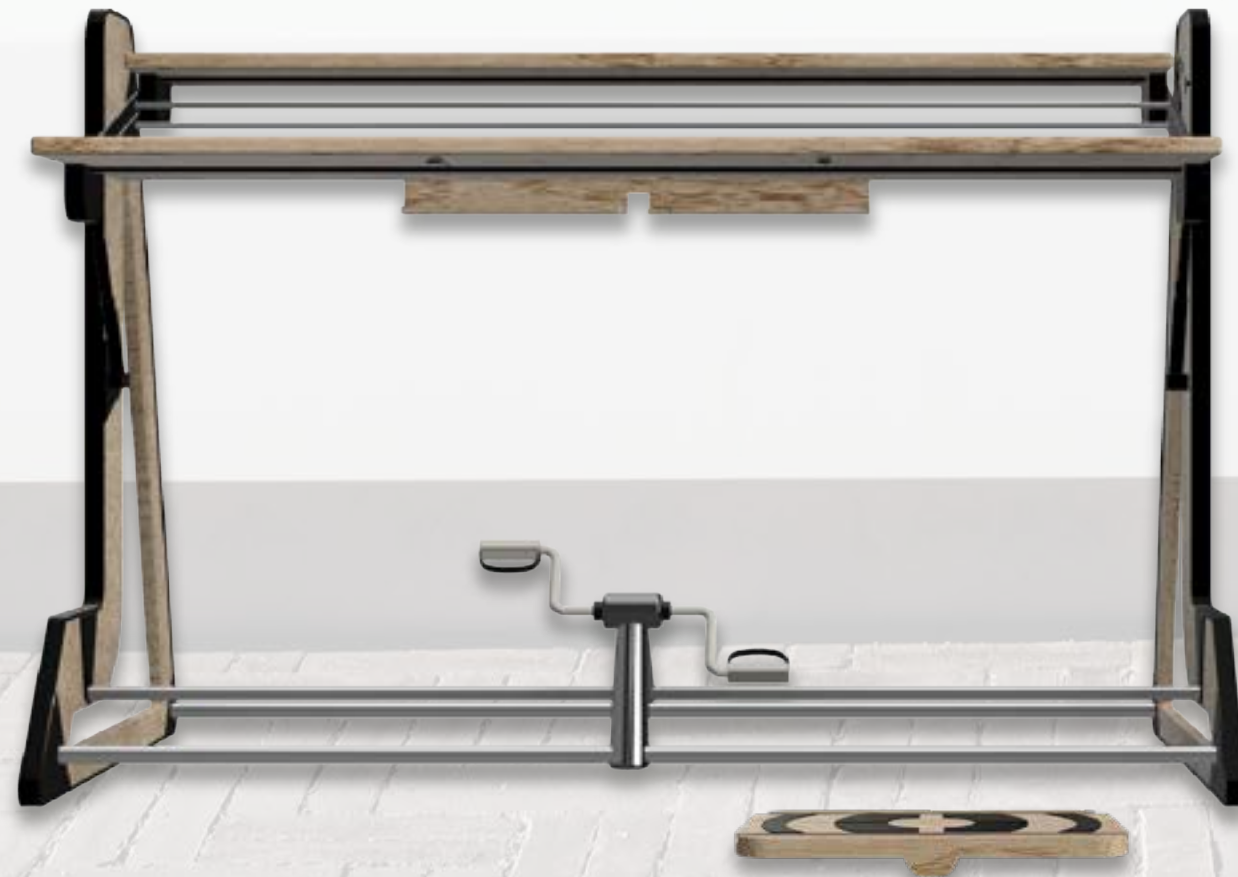
The sitting surface referenced by saddles



Latches to adjust the table height



Resistance adjustable peddals



Adjustable chair height



Rubber foot surface not to slip while spinning

## user scenario



Adjust the table according to height you want with handles under the table.



You can use balance disc as a foot support in the normal sitting position.



You can slice the pedals to your front and start spinning after adjusting the height of table and chair.



Choose a higher table height and start working in standing when you get tired of sitting.



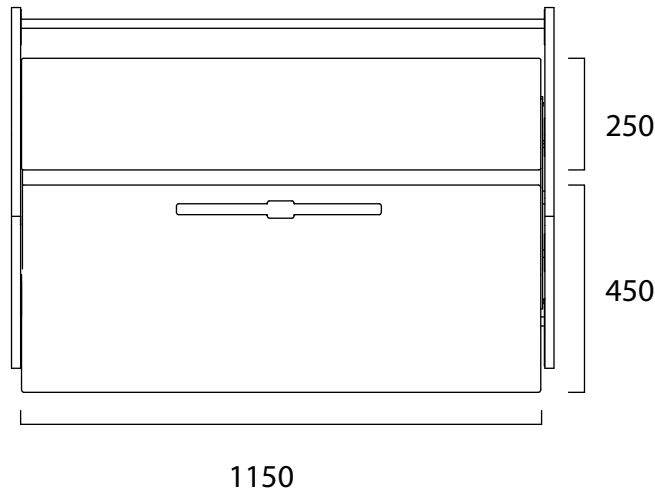
You can take your footrest and step on it in order to use it as a balance disc as an exercise.



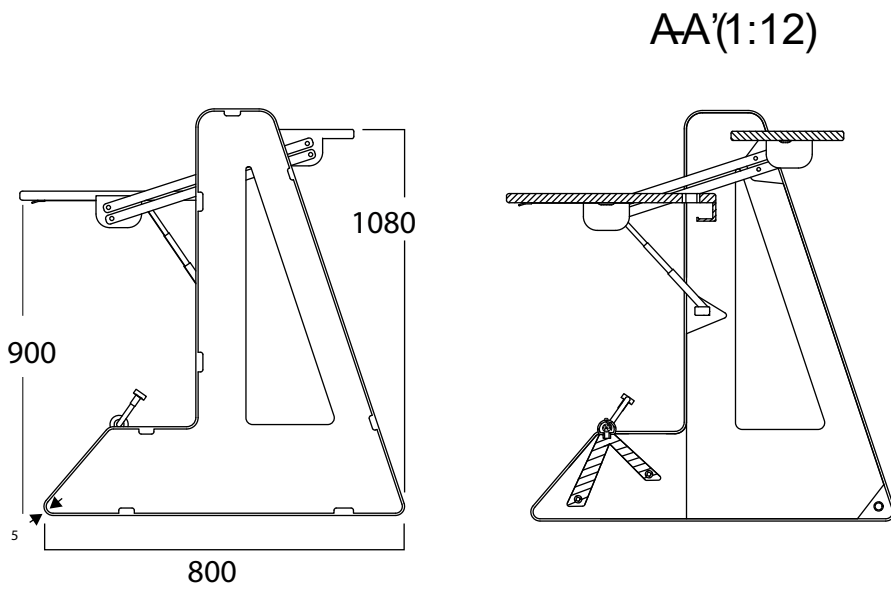
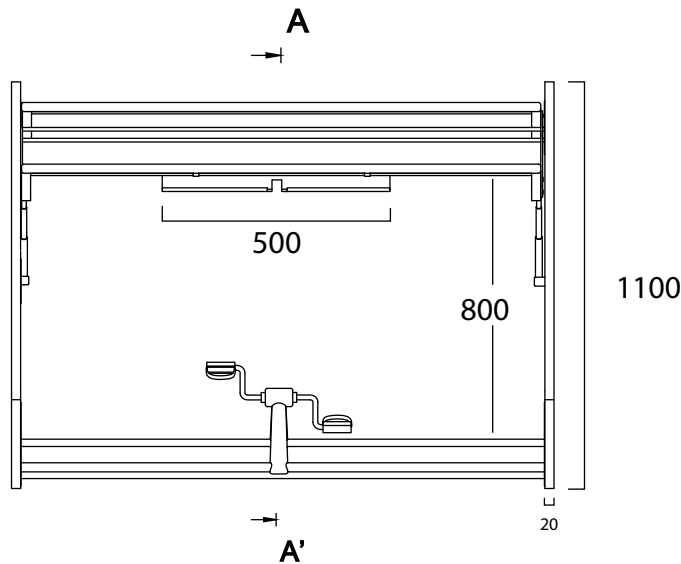
You can use balance disc as a footrest while standing as well.



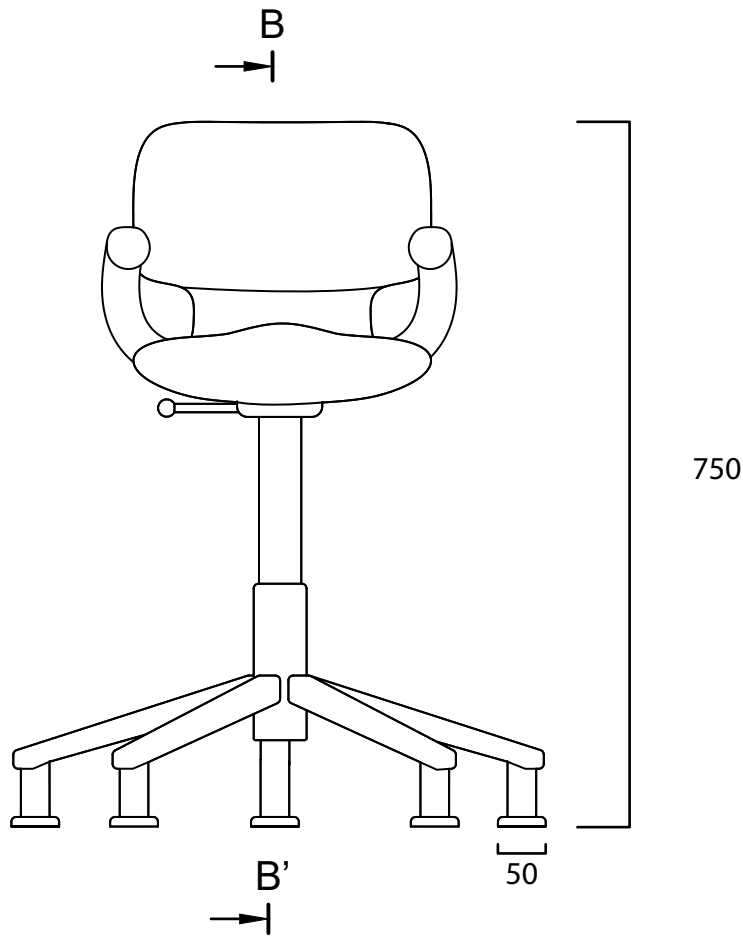
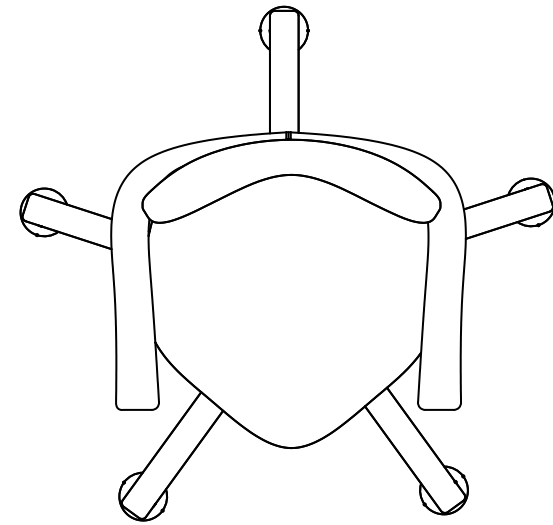
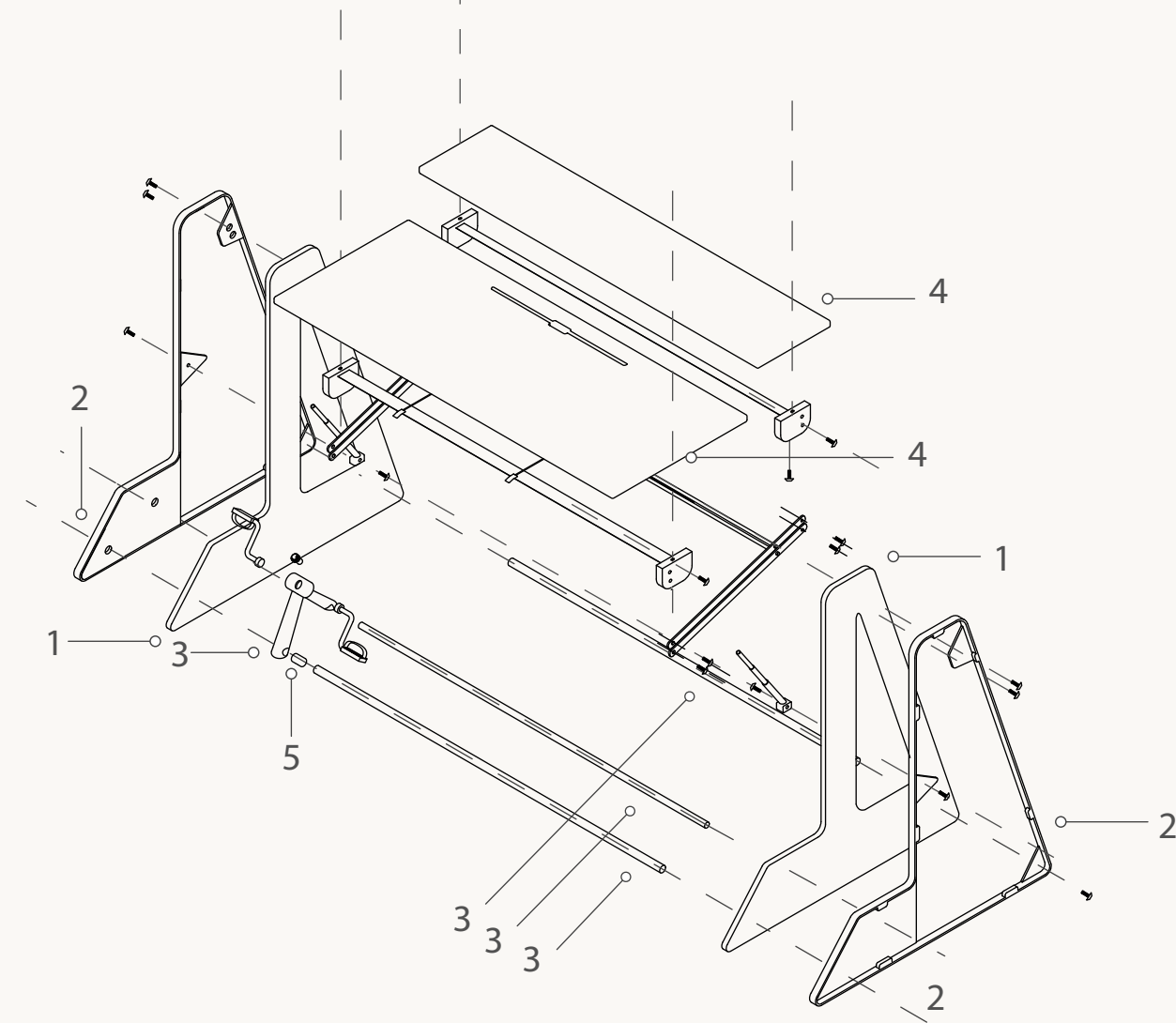
# technical details



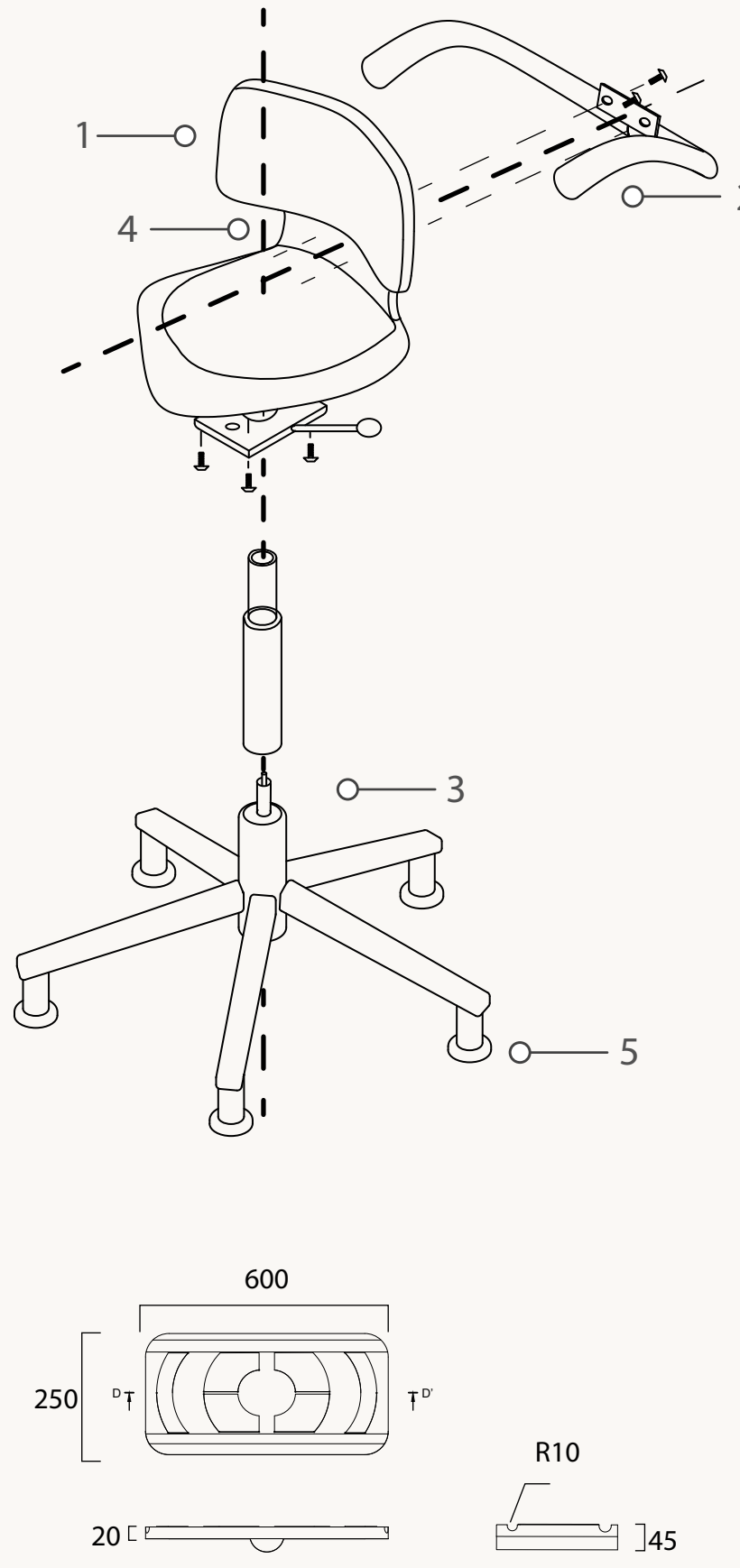
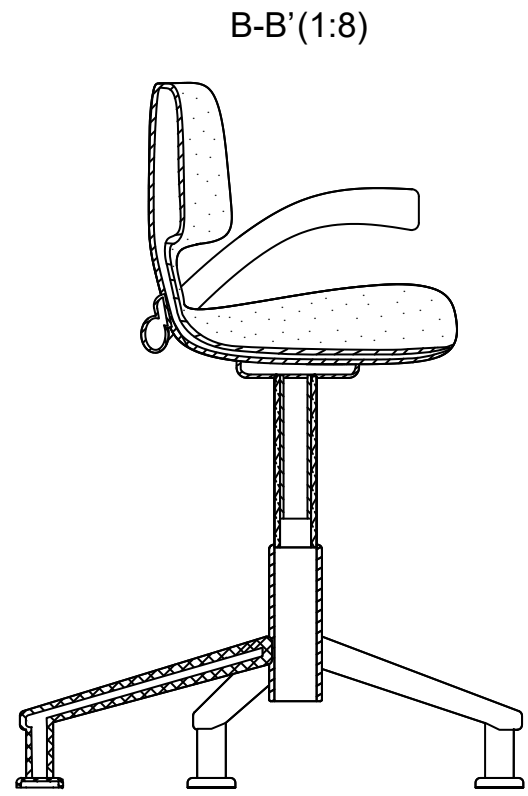
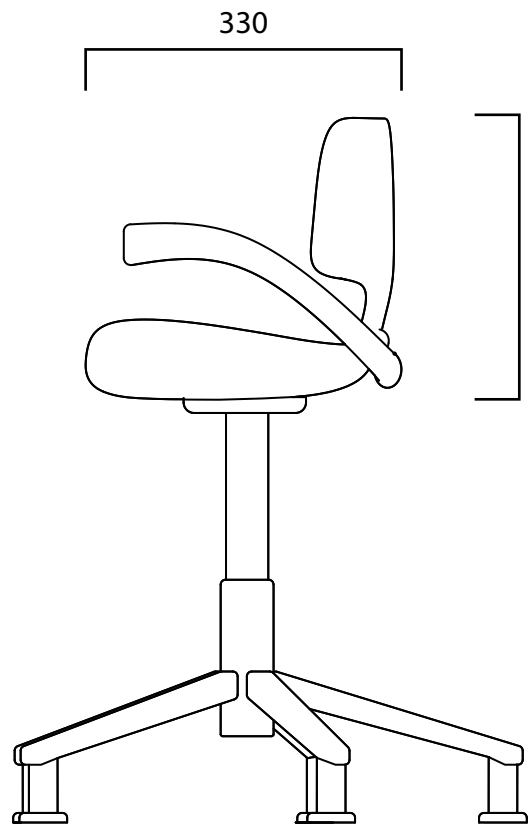
		Materials	Production Process
1	Wooden Table Legs	Plywood (Oak)	Pressing
2	Table legs frame	Stainless Steel	Cutting, Bending
3	Tubes	Stainless Steel	Extrusion
4	Flat Surface	Plywood (Oak)	Pressing
5	Gasket	Polyamid	Injection Moulding



## FINAL MOCKUPS



		Materials	Production Process
1	Seat	Cell Foam	Foam Glueing
2	Chair Arm	Stainless Steel	Cutting, Bending
3	Adjustable Base	Aluminum	Extrusion
4	Chair Frame	Stainless Steel	Bending Welding Rolling
5	Chair Leg Pad	Silicone Rubber	Liquid Silicone Molding





grace

METU ID 302  
Industria Design IV  
2021  
6 Weeks

Easy-to-use faucet design encourages to  
reduce water consumption.

GRACE





## research

Different direction preferences of right and left-handed people

Users cannot set the temperature precisely

Losing a lot of water while adjusting the temperature and flow rate of the water

Sink faucets do not offer different functions like kitchen faucets

Users have to turn off the water with their wet hands in products on the market

Having to carry water by a palm or bucket to wash and clean sink area

## scenario



Temperature adjustment can be made precisely thanks to the top rotary knob with a digital display. Its serrated surface prevents slipping when used with wet hands.



Flow adjustment can be made with the rotary knob at the bottom. It provides suitable operation for all ages.



After making the adjustments, the water can be turned on by tapping. Being able to open the water with preset adjustments prevents water loss during adjustments.



As soon as the water is turned on, the bar on the digital display starts to decrease and gives a warning by flashing when the determined optimum amount of water is spent.



When you turn the knob that adjusts the flow rate in the opposite direction, the drip mode is activated. Thus, no water is wasted for wetting the toothbrush.



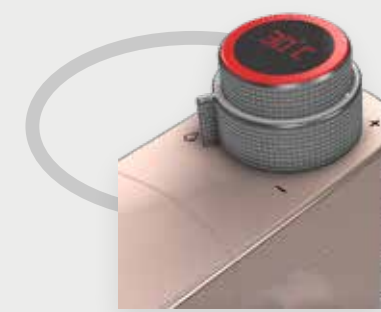
Thanks to the adaptable head, by turning the head pulse, shower, and eco flow modes can be selected according to different user needs.



If you do not want to touch the faucet with wet hands, you can turn off the water by touching it with your wrist or elbow.



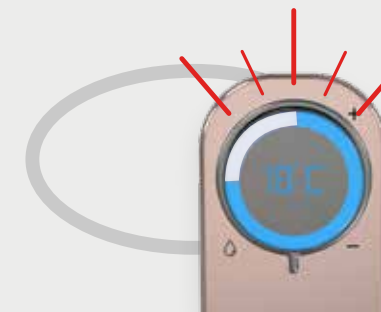
The faucet head can be extended. Thanks to pull-out head, it becomes easier to reach and clean the sink area by washing it.



1 Digital display for **precise adjustments**



3 Rough button surfaces to **prevent slipping**



5 Flashing system **warns** the user about **water consumption**



7 Drip mode that **prevents water wastage**

Angled top surface to facilitate **visibility**

2

**Adaptable** head offers diverse flowing modes

4

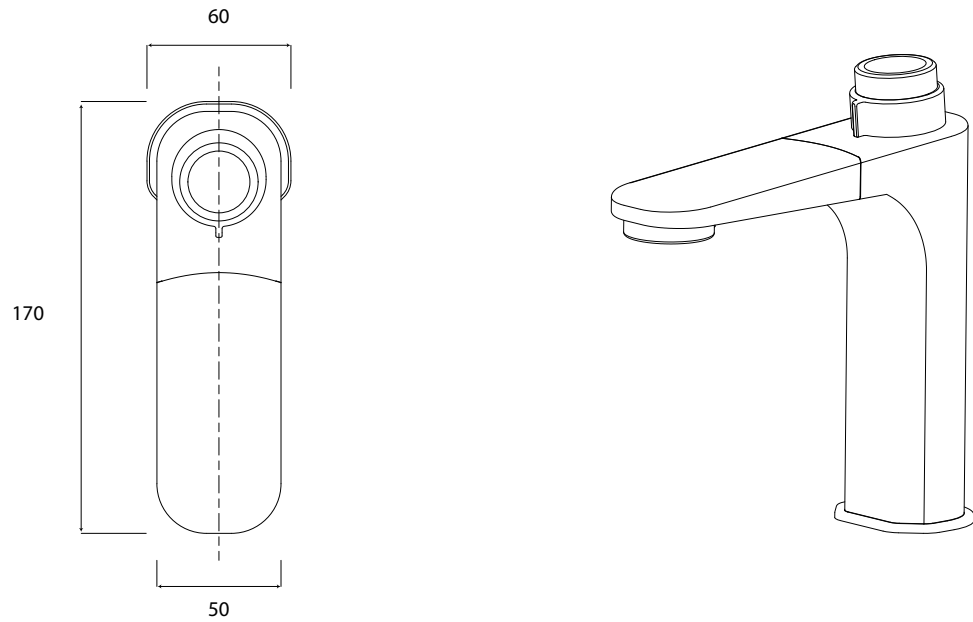
Pull-out head offers **flexible** use

6

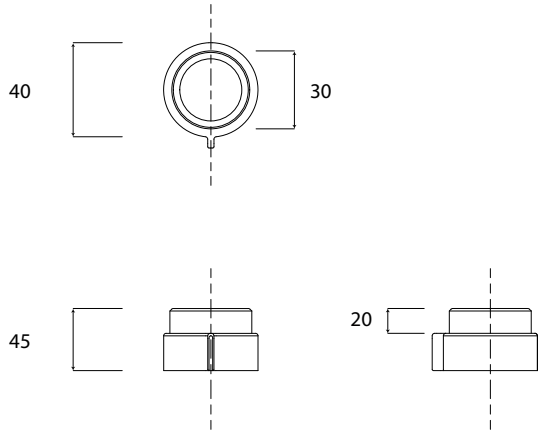


# technical details

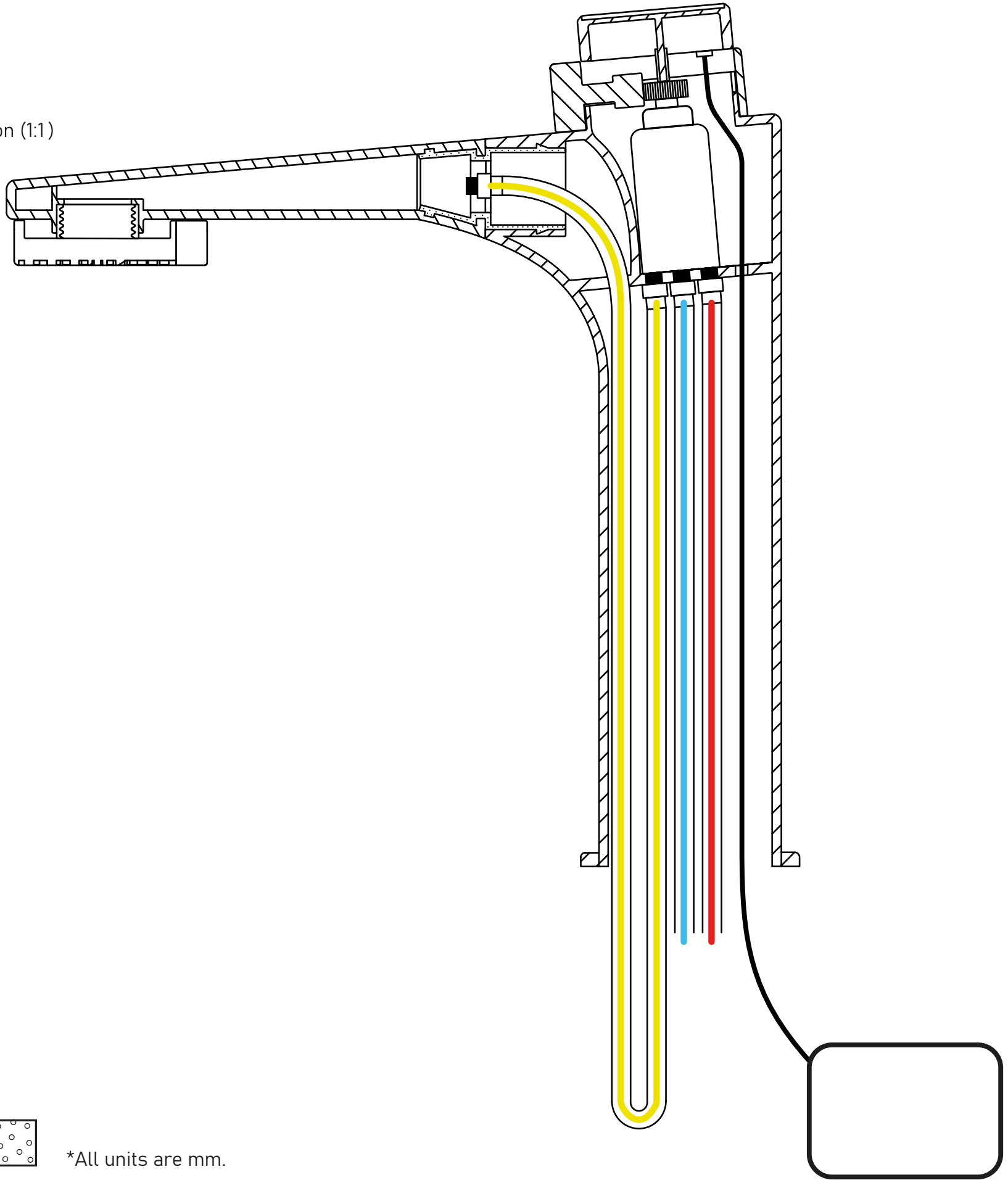
Grace Orthographic Views (1:3)



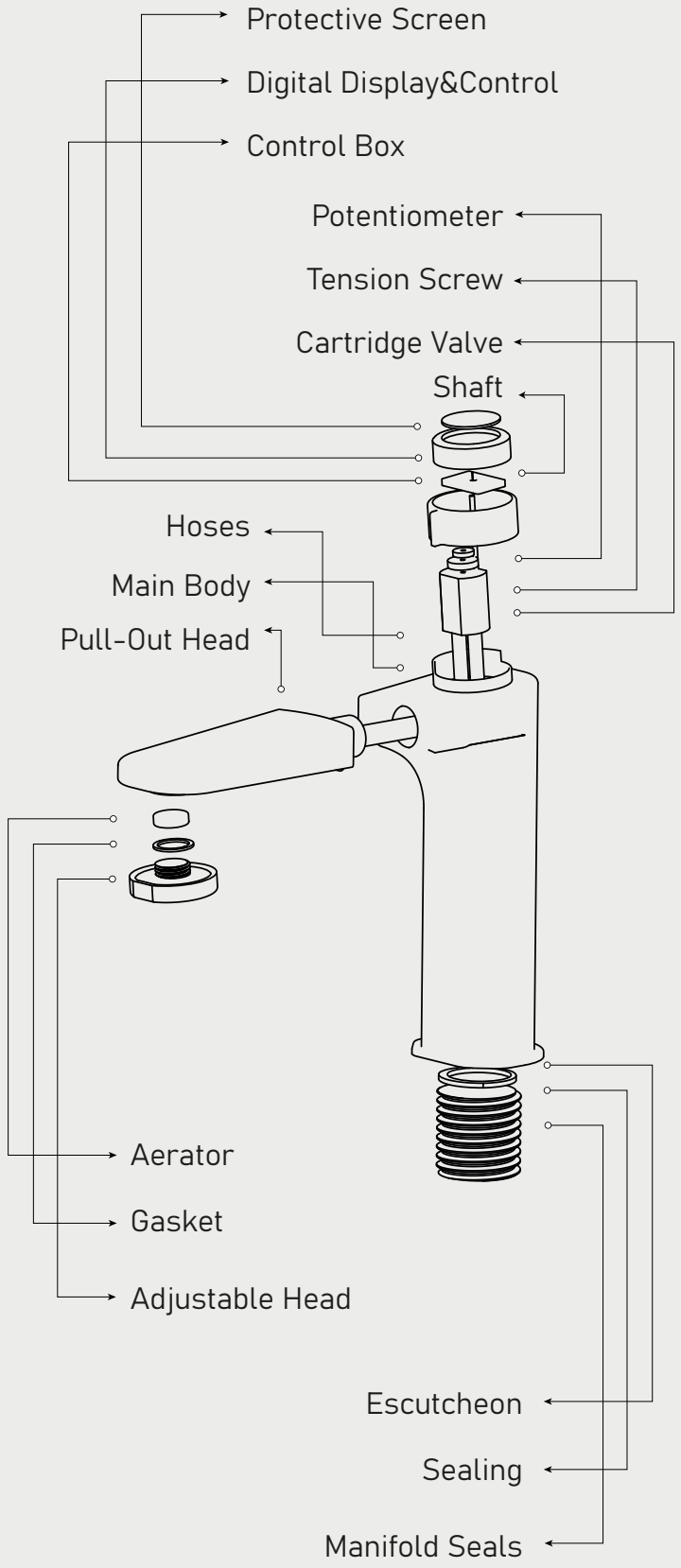
Controls Orthographic Views (1:3)



Grace A-A Section (1:1)



\*All units are mm.





# passport

METU ID 365  
Color in Product Design  
2021  
4 Weeks



Language learning game designed to show the relationship between color and communication.





## research

People find the tints of colors softer and friendlier than their shades.

It is difficult to find activities to encourage language learning.

The colors of the flags of the countries create associations with their languages.

Today, smart objects are found more encouraging to use.

There are no options for different language levels in language games.

In language courses and international organizations, there are no sharing areas other than digital media.

## MOODBOARD



Common colors that appeal to user groups of different genders, ages and races have been tried to be determined.

In the research, it was observed that primary colors were used in children's toys from an early age.

At the same time, companies and events with international users use the combination of primary colors and green.

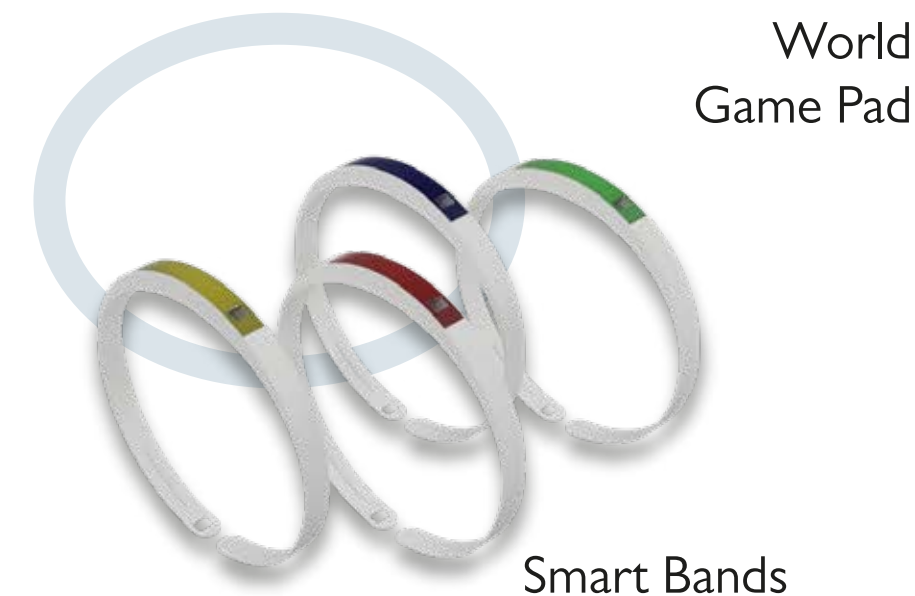
As the target user group of the product, people of different ages, genders, and speaking different languages have been selected.

## finalisation



Rich Box Content

Game cards in different languages



Smart Bands



World Game Pad



Colorful Game Stamps

## HOW TO PLAY GAME ?

Wear your smart band and press the button on it to see the random color!

Draw your card according to the color that appears on the smart band and choose the word to explain according to your level!

If your friend knows the word you are telling, place your stamp wherever you want on the map.

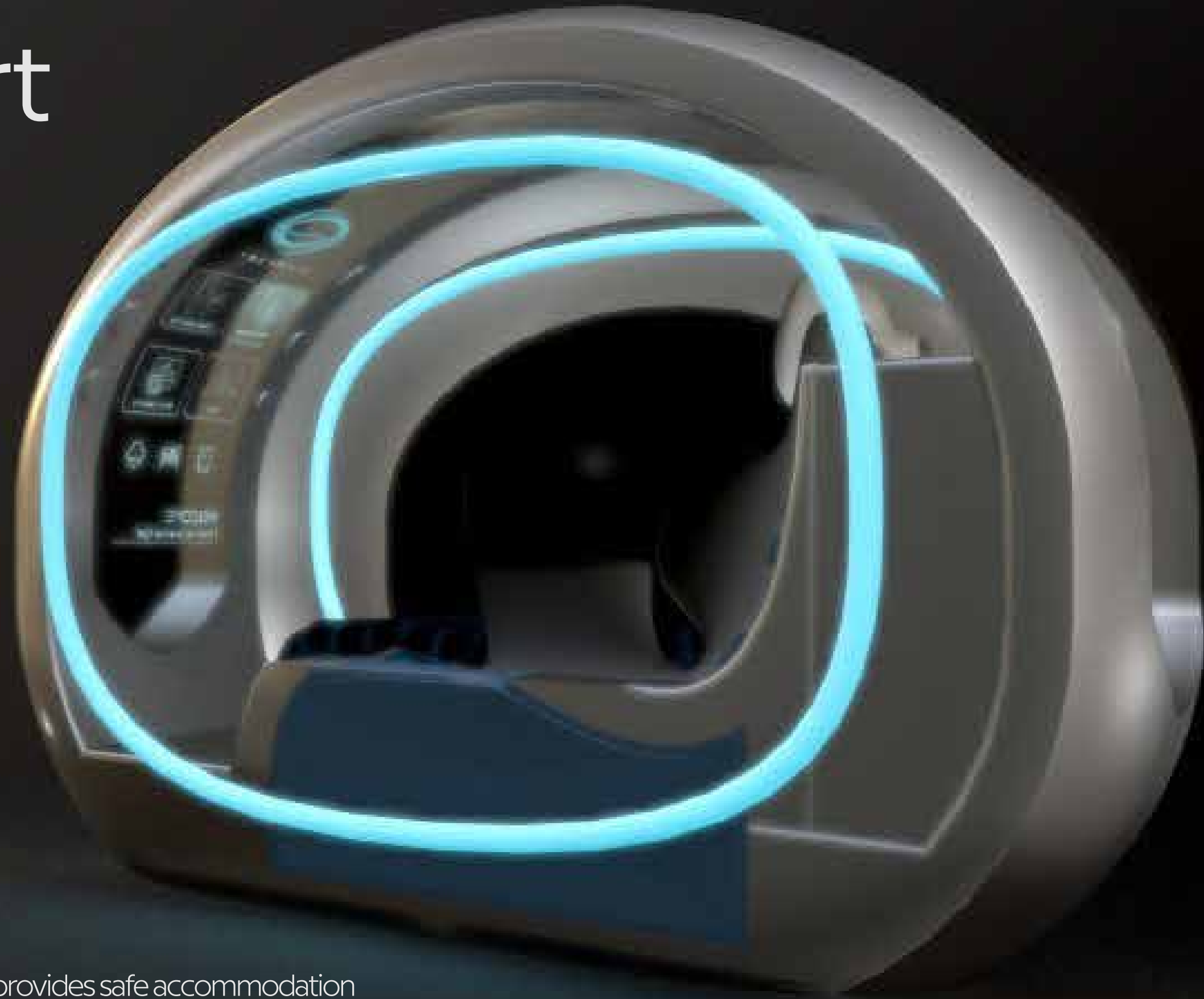
When the stamp places on the map run out, the group with the most stamps wins!

Pick a random color from your smart banner every round and keep improving your language by speaking words in different languages!



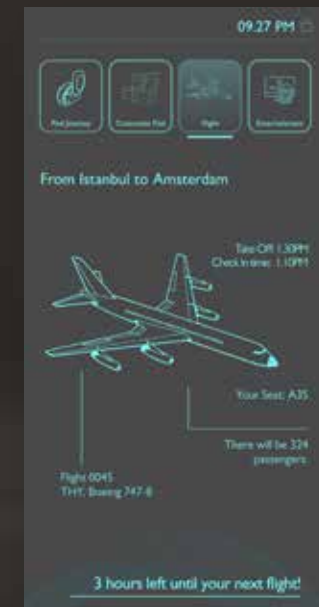
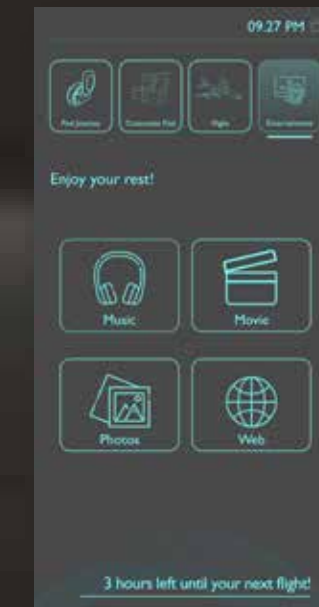
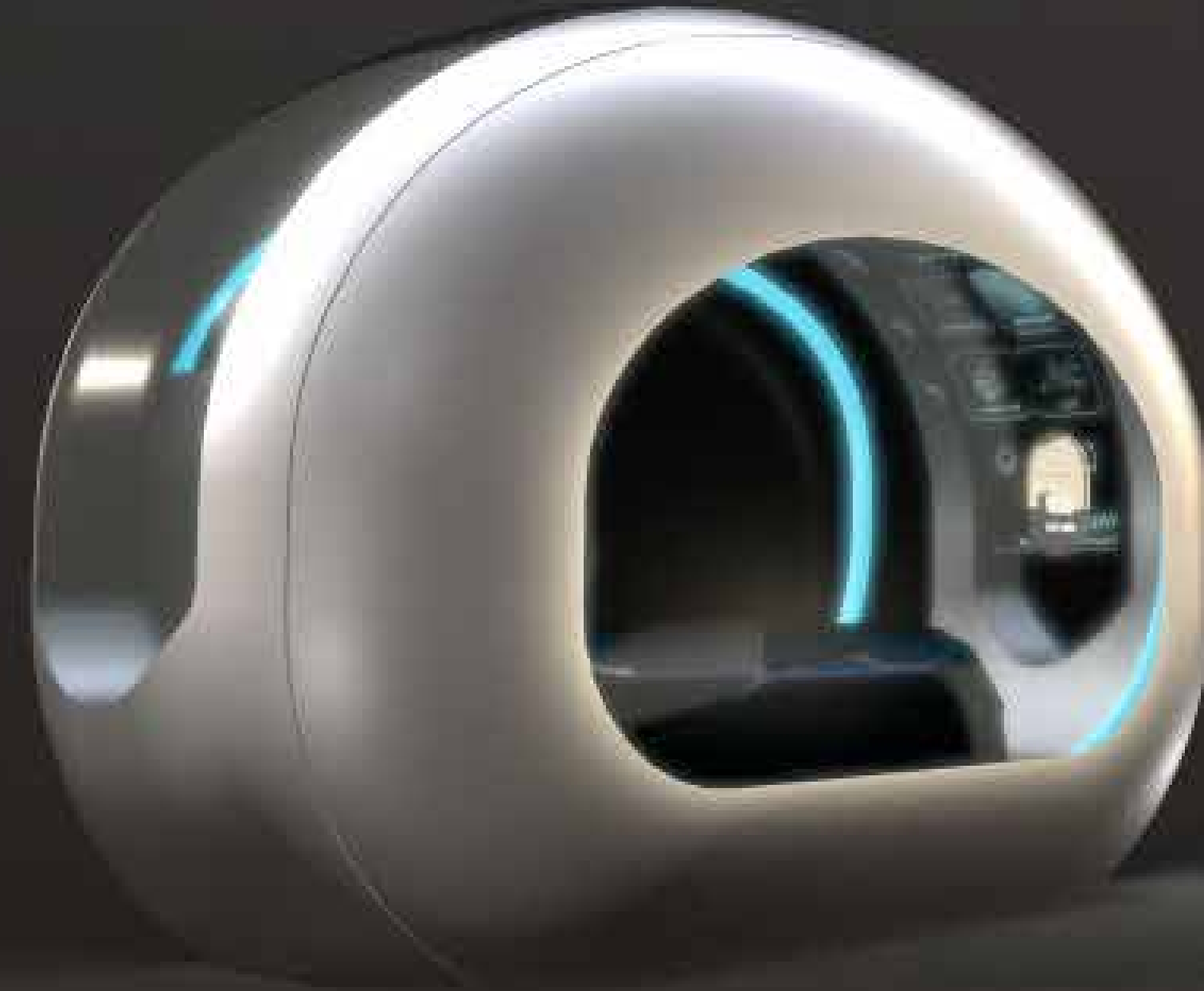
# sleepport

METU ID 314  
Multi-Media Design II  
2021  
8 Weeks



Smart sleep pod that provides safe accommodation thanks to the private space it provides at airports

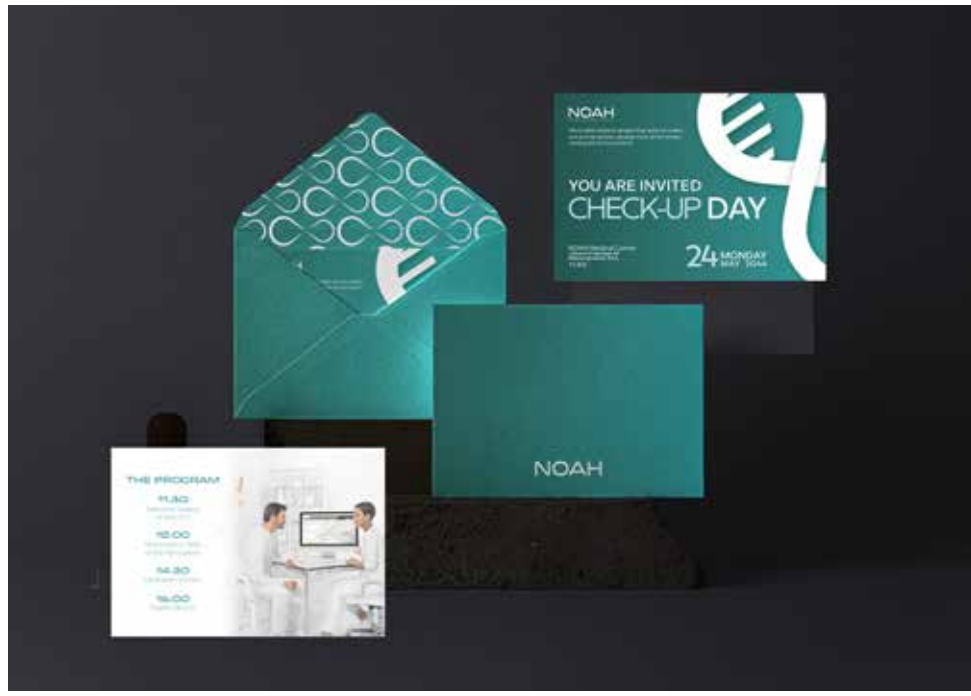
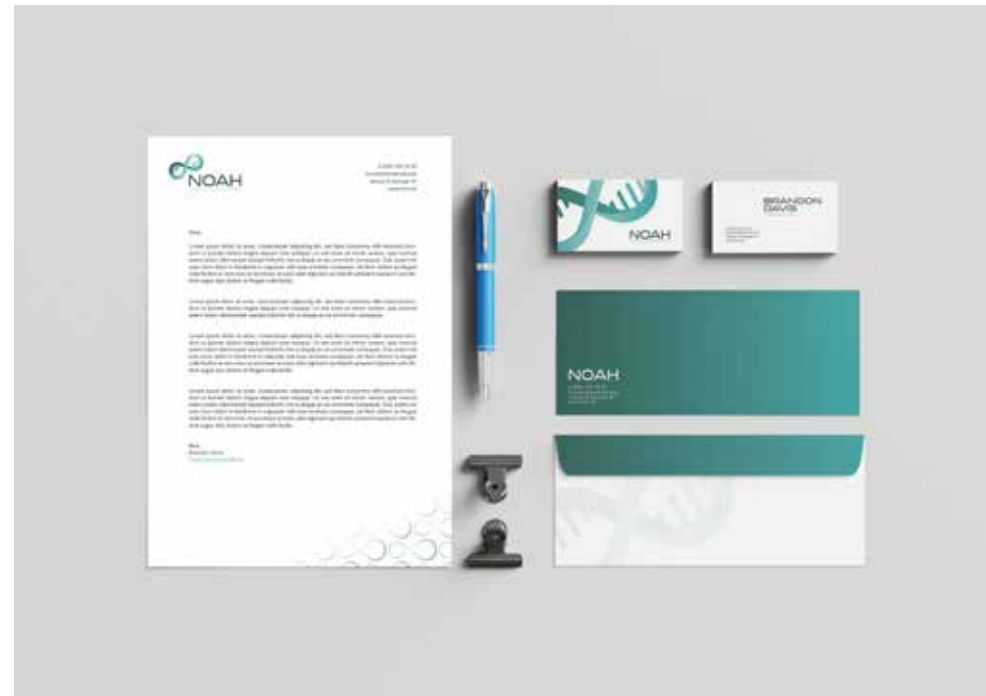
## UI Screens





# graphic design

## Corporate Identity Design



## Album Cover Design by Art Movements



Amy Winehouse  
Back to Black  
Psychedelic

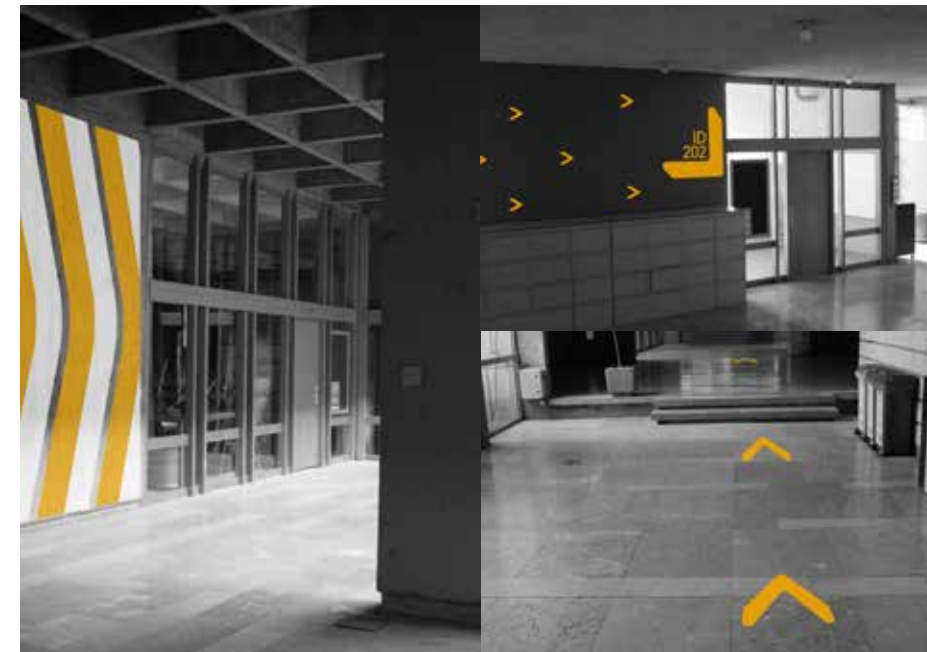


Michael Jackson  
Thriller  
Art Nouveau



Rihanna  
Music of the Sun  
Bauhaus

## Wayfinding Design for Architecture Faculty of METU



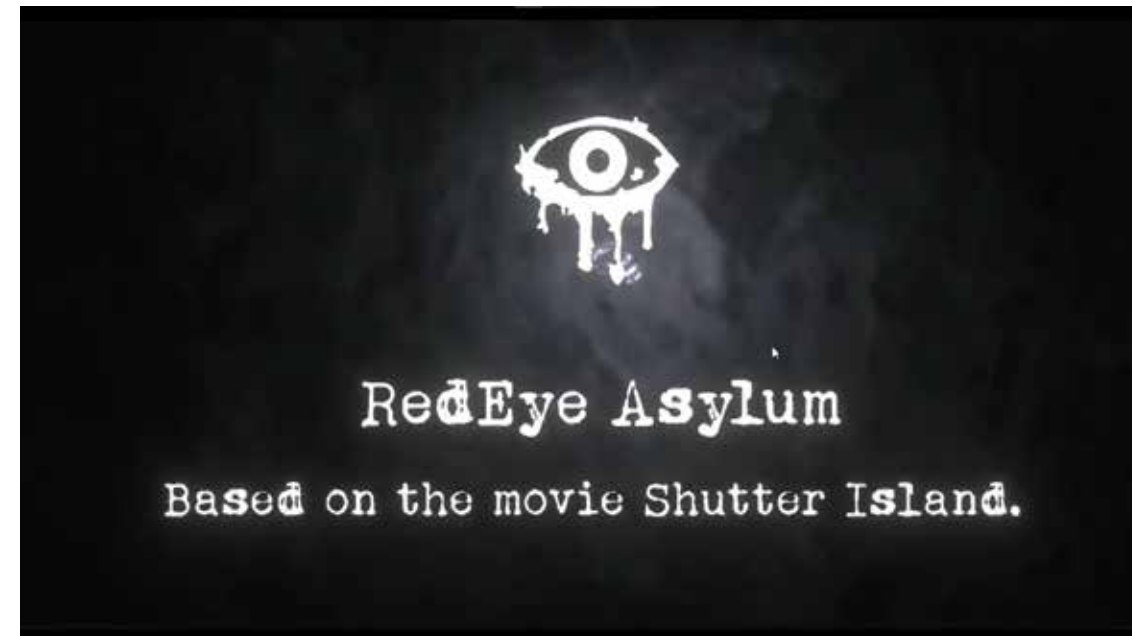
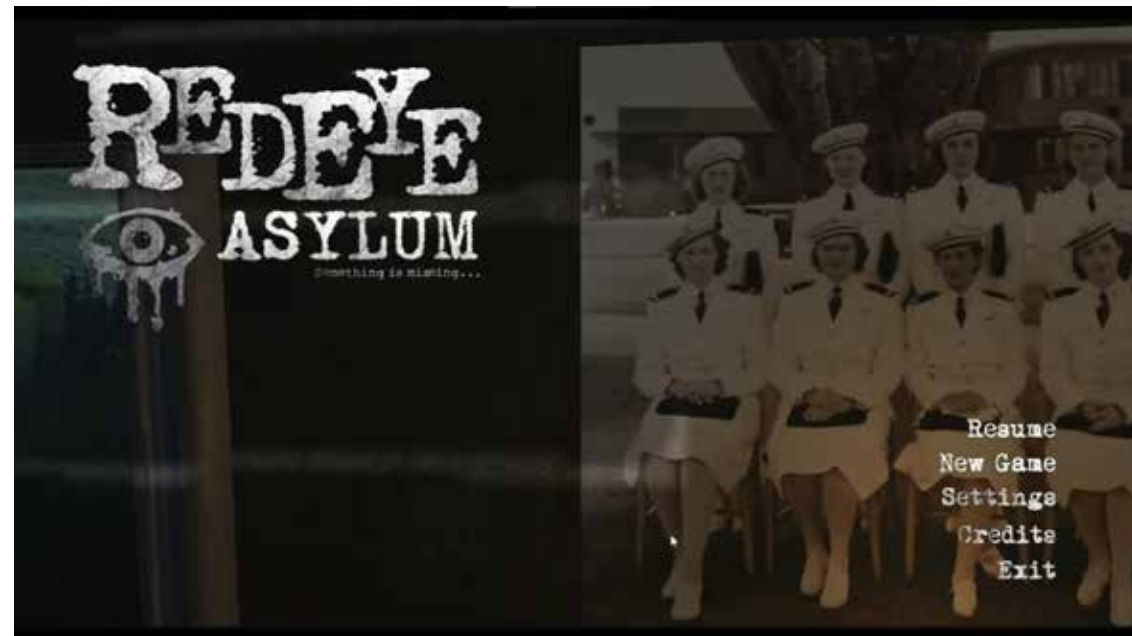


# works in progress

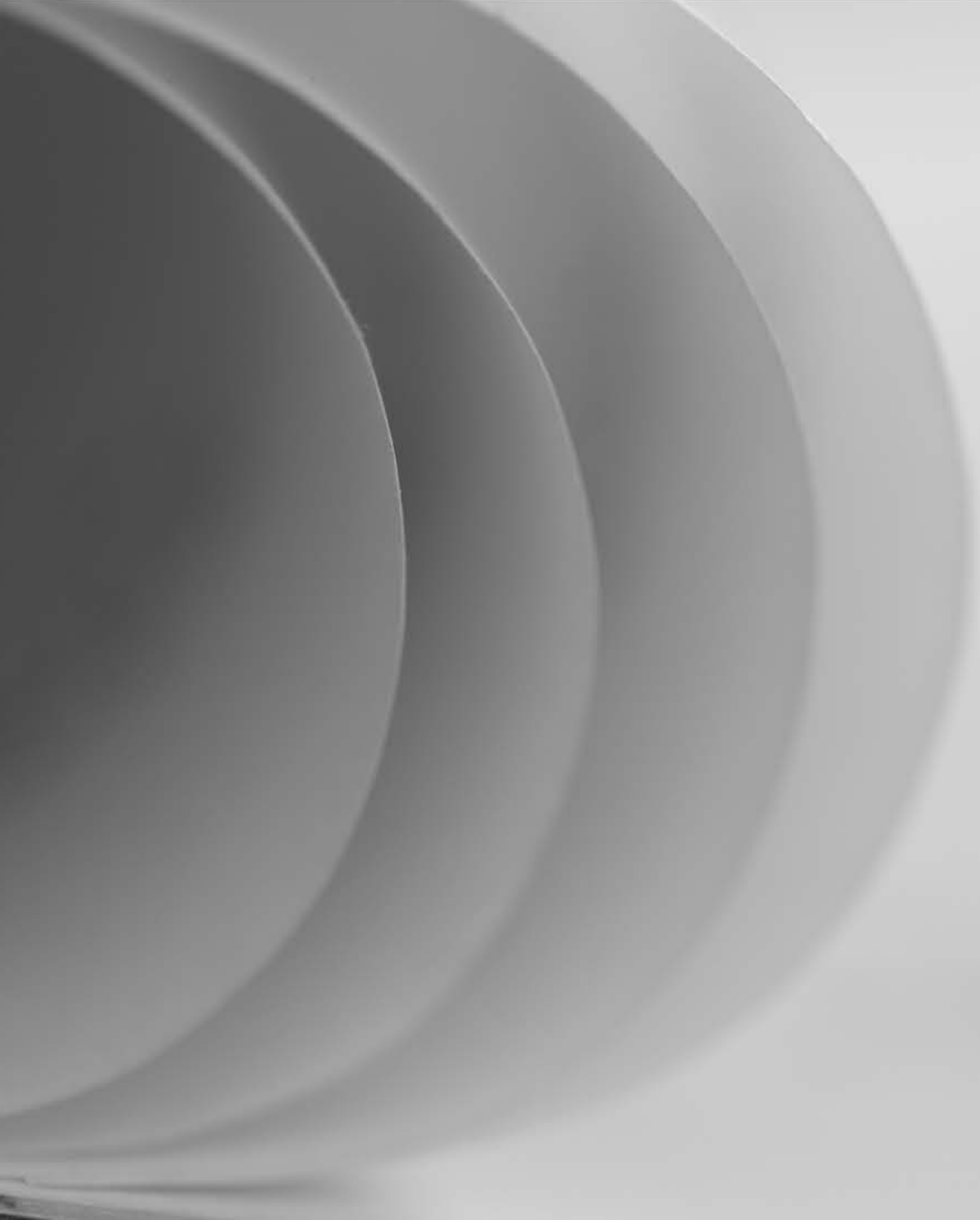
## Reotek Beypazarı Urban History Museum Endemic Animals Kiosk Screen User Interface Design



## Redeye Asylum Mobile Game User Interface Design







ygtacet@gmail.com

0 (552) 686 66 66