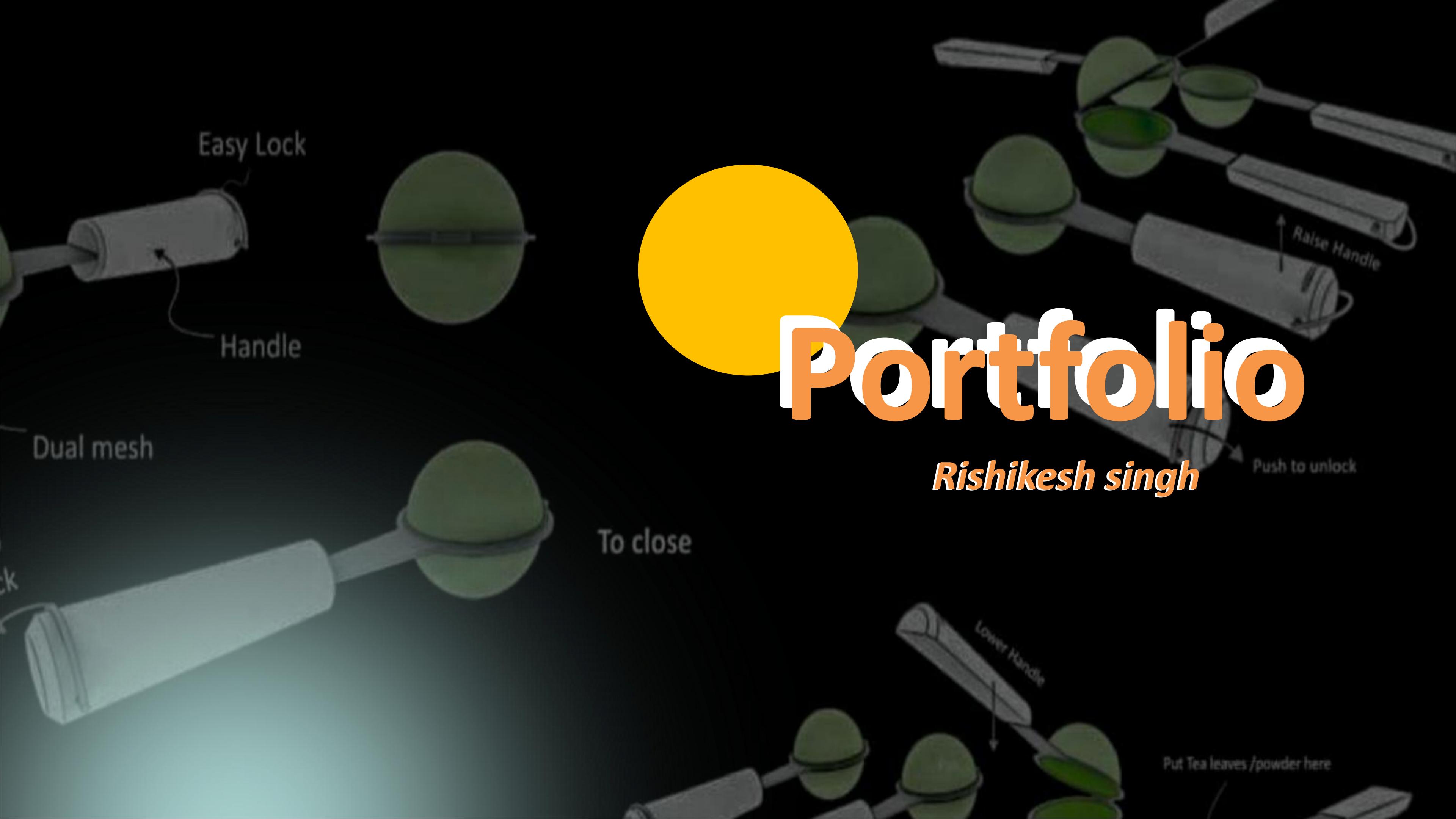


Portfolio

Rishikesh singh



Project 1

DESIGN BRIEF

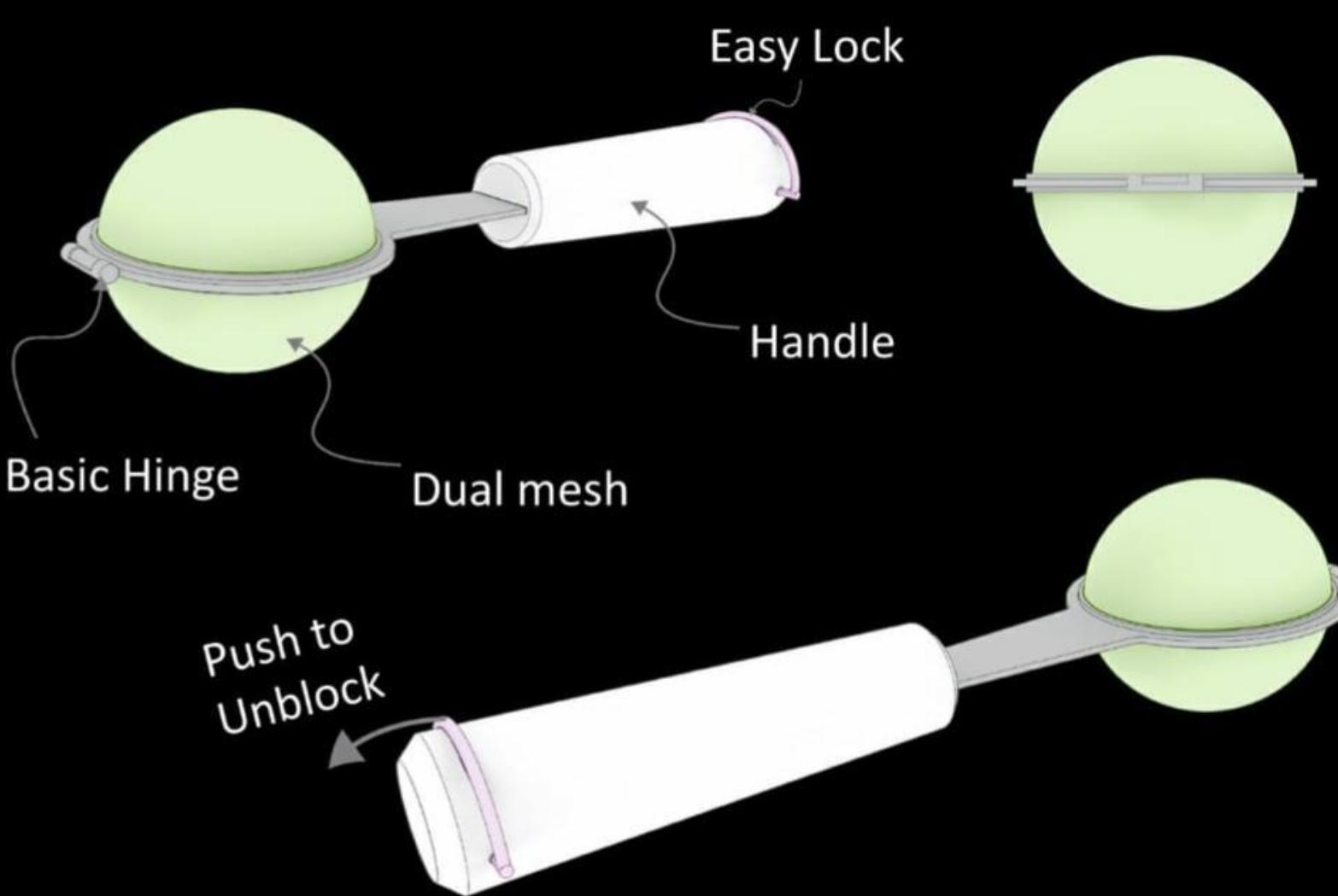
“Design a product that strains tea while its made”



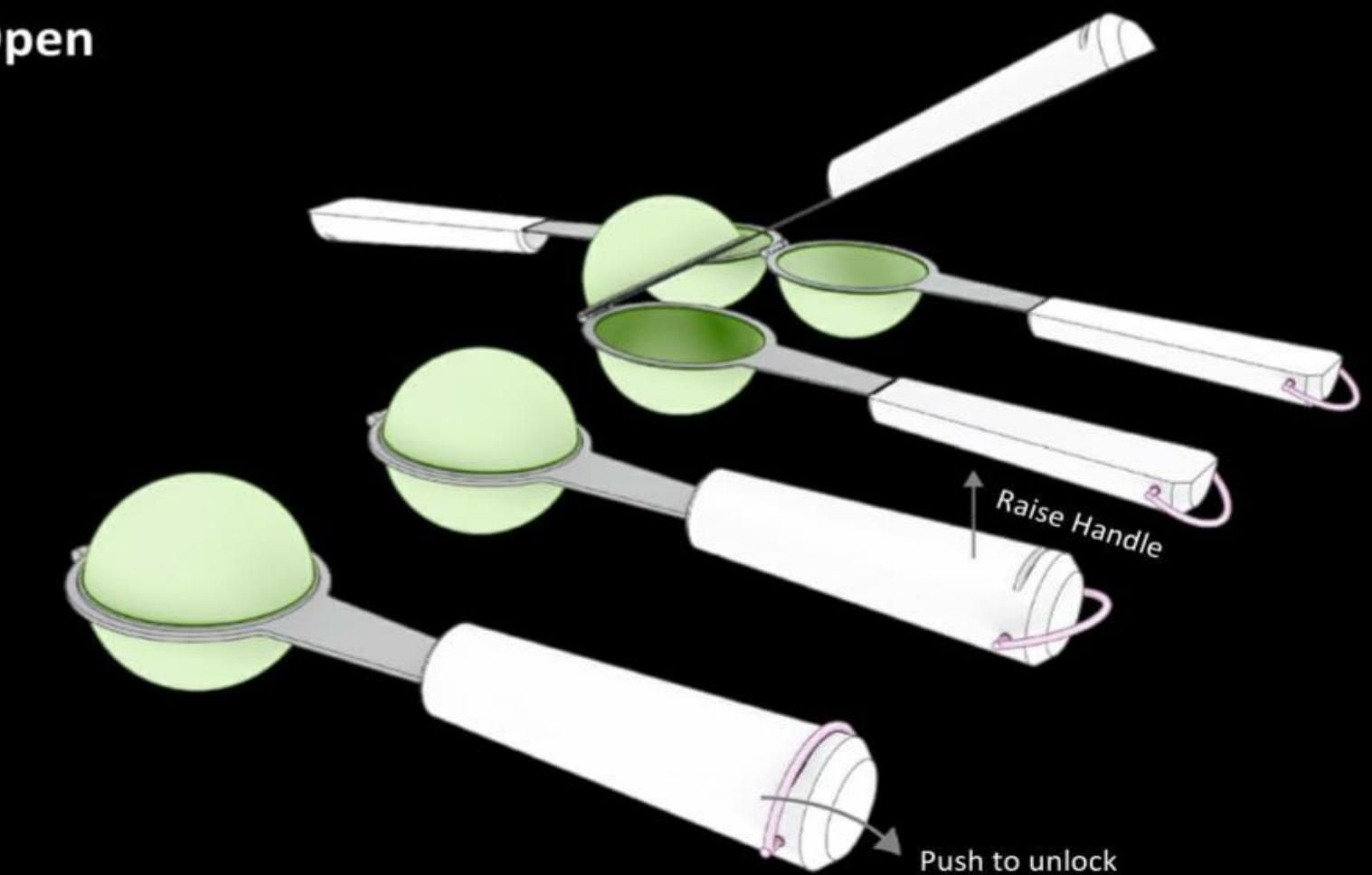
PROBLEM FACED BY THE USER

- Difficulty to wash
- User face problems in using the traditional filterer .
- User have same problem of using both bands at same time.
- The small particles of tea powder /leaves passing through the mesh .
- Plastic filterer mesh melting .
- Left handed user also complain with the tea vessel about the spout being right handed
- Lumping of tea leaves / powder shaky hands
- Filterer gets chocked with with tea leaves/powder (leads to spillage)
- Uneven grip of strainers

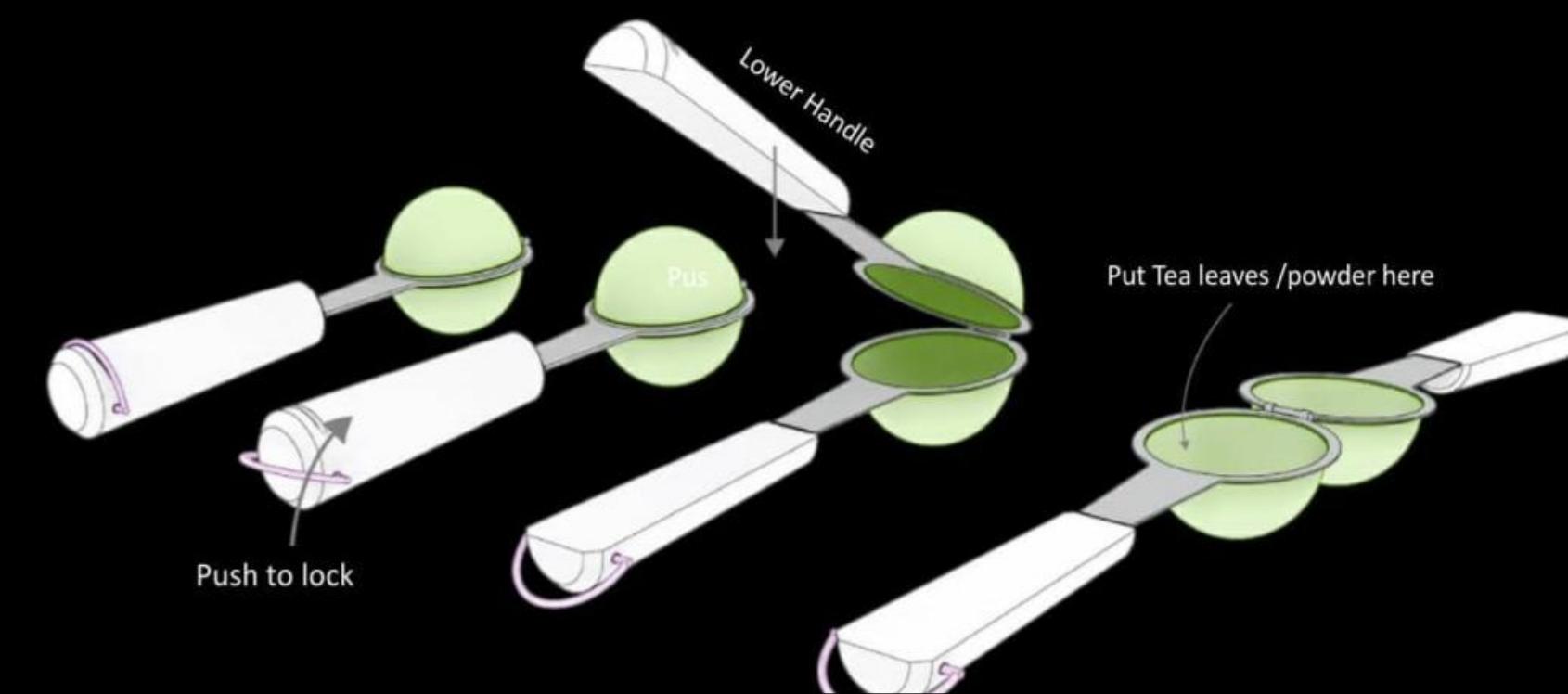
IDEATION



To Open



To close



P
R
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P
E



STEP 1 .

Bought two basic tea stainlers from market



STEP 2 .

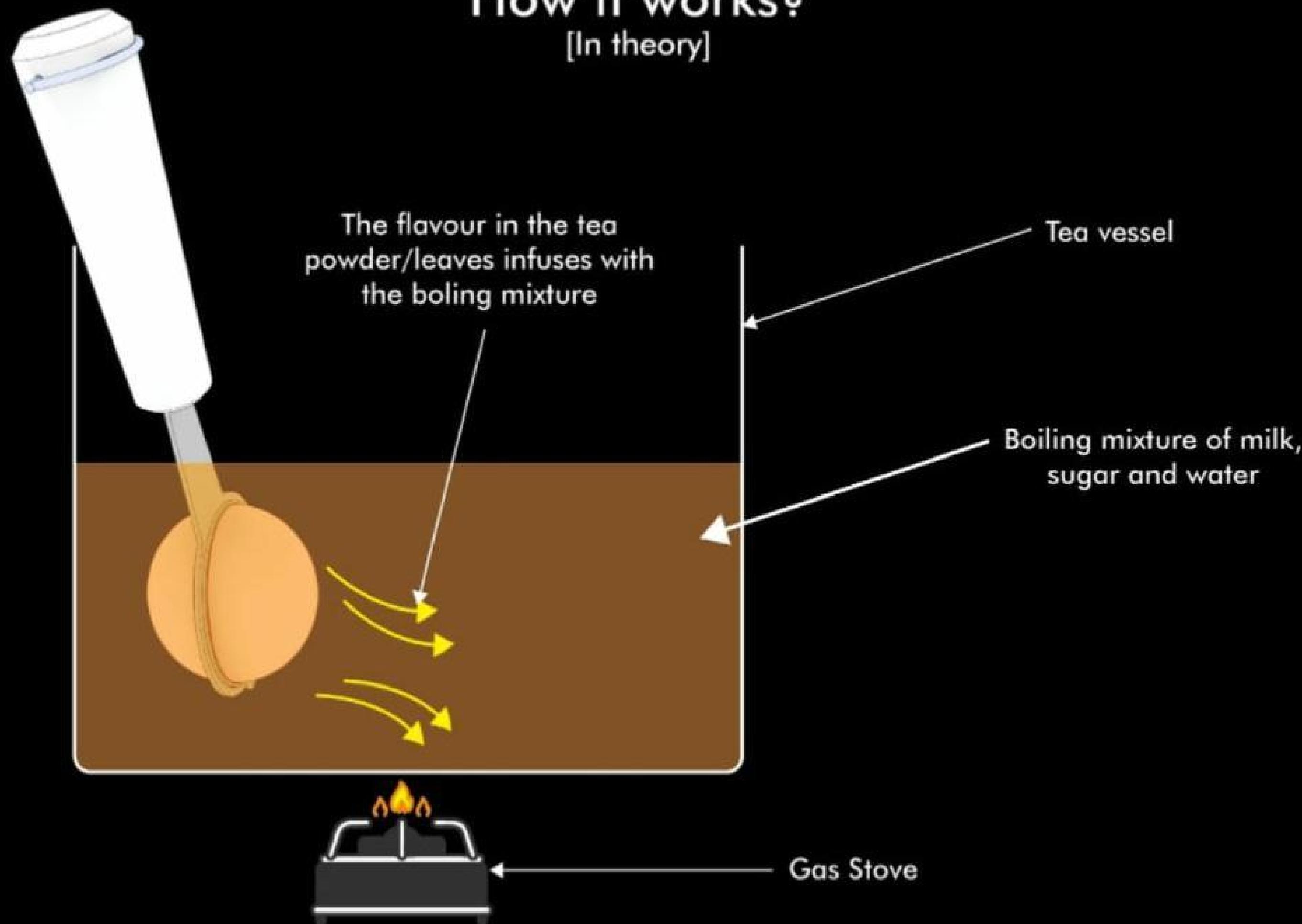
Cut off the top and then put a hinge between the two tea stainer and then use the nut bolt to lock the prototype





W
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N
G

How it works? [In theory]



Name of the Designer : Rishikesh Singh

Style no : 0003

Product : Tea Infuser

Product description : Design a product that strains tea while its made

Material : stainless steel and wood

Tea filterer front /upper side



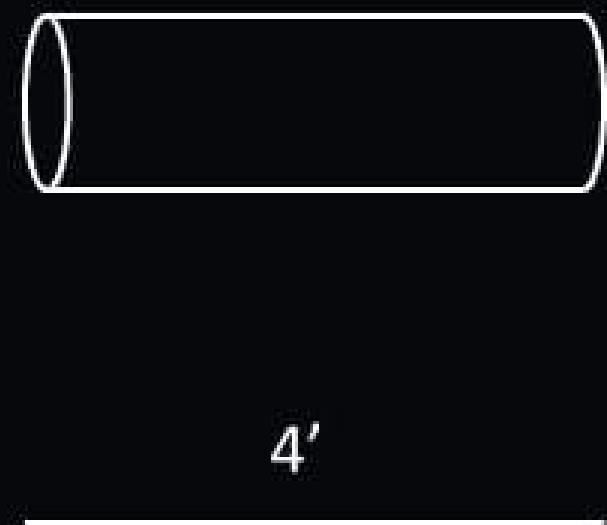
3'

Tea filterer bottom / back side



2'

Handle



4'

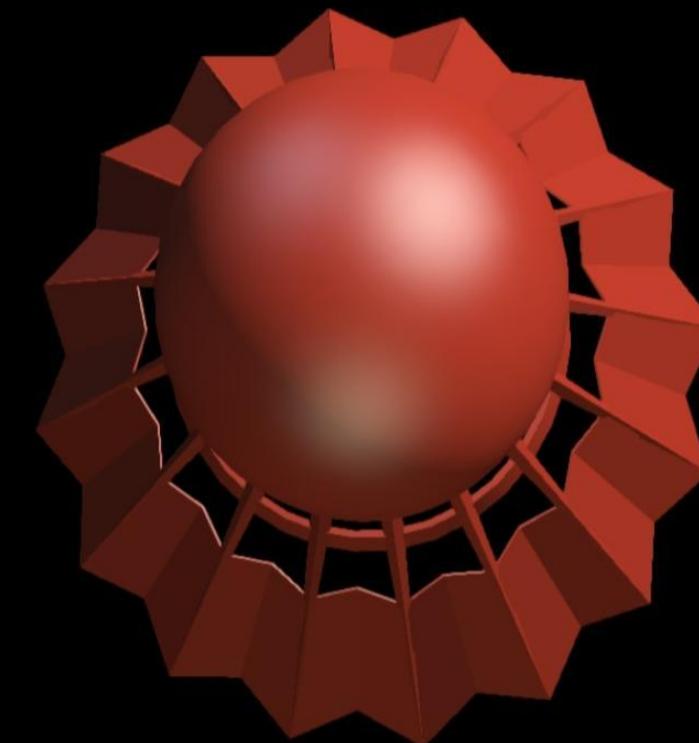
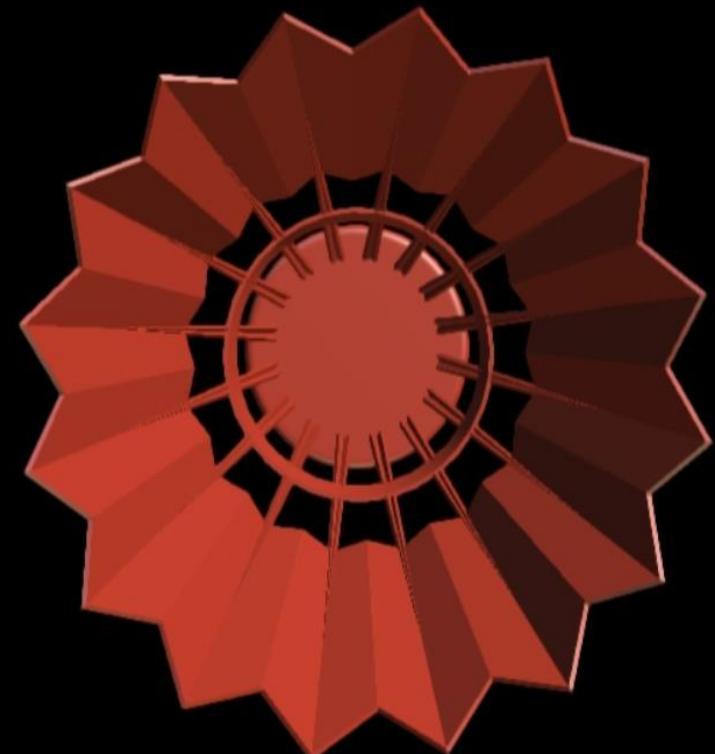
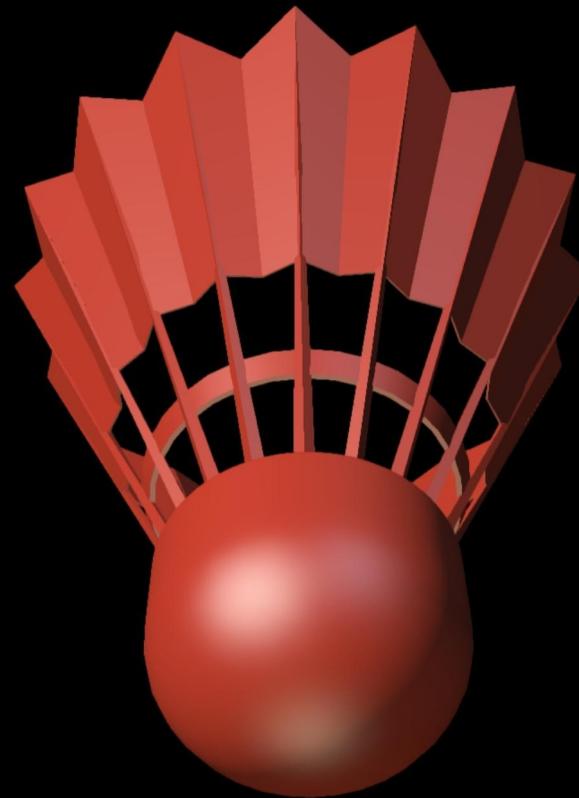
FINAL PRODUCT



Project 2

DESIGN BRIEF

To Design a Shuttlecock for training and that shuttlecock is adjustable so , we'll change the property of shuttlecock according to our requirements



Problem:

Existing feathered shuttlecocks fly great but are often destroyed after several points.

Shuttlecock is very expensive so this is not affordable

When professional players train they need to work on some aspects like...if they are not good at drop short they need slow shuttlecock or when they are not good at smash they need faster shuttlecock is needed.

10-12 average shuttlecocks are required in a single match which makes badminton a very expensive sport

PROBLEM STATEMENT

There is no any shuttlecock available for training purposes onlyand we all know that the shuttlecock is very costly and they break very easily

There is a question which was asked by BWF... would you consider badminton to be an expensive sport...and most of the answer was...yes and the reason for this is shuttlecock break very easily and the cost of shuttlecock is very high

Would u consider badminton expensive to play?

1 2 3 Next >

 Leon.t
Regular Member

Hey guys, I'm a bit new to badminton and just bought my new racket today for \$200AU. Just thinking, would badminton be a expensive game to play compared to other sports? eg. table tennis, soccer, squash etc?

I mean shuttlecocks gets destroyed pretty easily in a game, the string will break, then you got court hire as well and the good rackets are expensive.

What do u guys think?

Apr 15, 2008 #1

 cooler
Regular Member

at \$2+ a shuttle, it is getting to be expensive

Apr 15, 2008 #2

 exalted
Regular Member

Badminton definitely isn't cheap. 😞 Unfortunately [or maybe, fortunately], the price is just sooo worth it...

Apr 16, 2008 #10

 Leon.t
Regular Member

I agree. I have so much fun playing badminton and enjoying losing weight + making new friends around the court & learning new techniques is so much fun then sitting in front of a monitor playing WOW lol.

Apr 16, 2008 #11

 jhirata
Regular Member

Leon.t said: ↑

I agree. I have so much fun playing badminton and enjoying losing weight + making new friends around the court & learning new techniques is so much fun then sitting in front of a monitor playing WOW lol.

The cost is always rising... time and money wise. Probably why we don't get as many lady players as they get older, they just move on because other commitments take more of their time. If you're passionate about something, you have to pay more for it... same goes for other interests, hobbies and women. 😊

Apr 16, 2008 #8

 chris-ccc
Regular Member

Badminton: Expensive to play, but it's fun

Leon.t said: ↑

Hey guys, I'm a bit new to badminton and just [bought my new racket today for \\$200AU](#). Just thinking, would badminton be a expensive game to play compared to other sports? eg. table tennis, soccer, squash etc?

As **cooler** mentioned, shuttlecocks are expensive. And court hire is not cheap either.

You felt the pinch when you had to spend \$200 in one go. However that \$200 racket purchase will go a long way.

But if you were to calculate, for your \$200, how many shuttlecocks and courts hire you will get, you will be shocked. Perhaps, just 10 hours.

WORKING

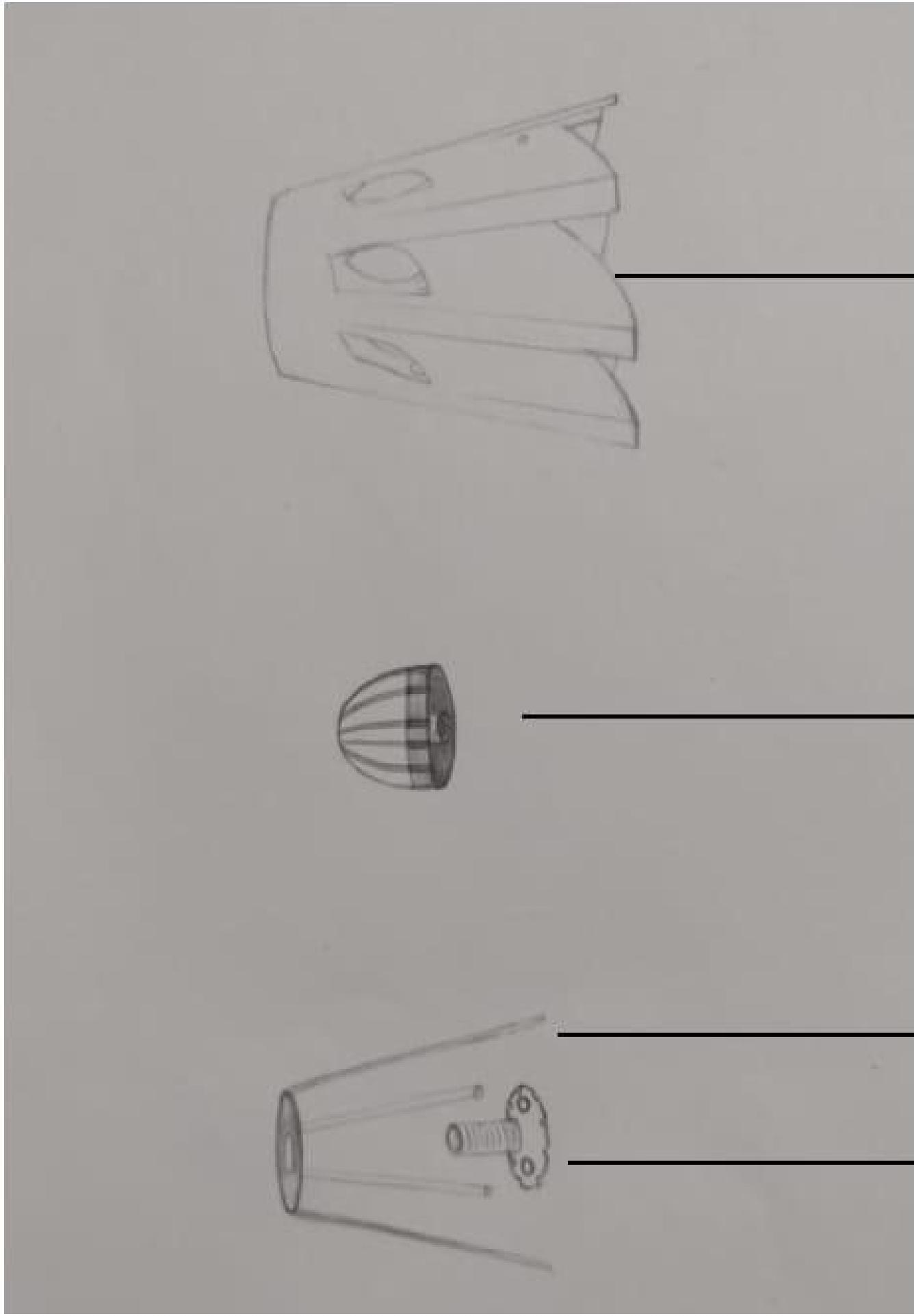
CASE 1

When we rotate the cork in clockwise direction the size of the shuttle becomes smaller so the speed of the shuttlecock increases as the size of the shuttlecock is reduced which results in less air resistance and the shuttlecock flies smoothly faster

CASE 2

When we rotate the cork in Anti-clockwise direction the size of the shuttle is expand so the speed of the shuttlecock decreases as the size of the shuttlecock is reduced which results in more air resistance and the shuttlecock flies slowly

Components



Nylon

Synthetic Cork head

Flexible Frame

Adjustable screw

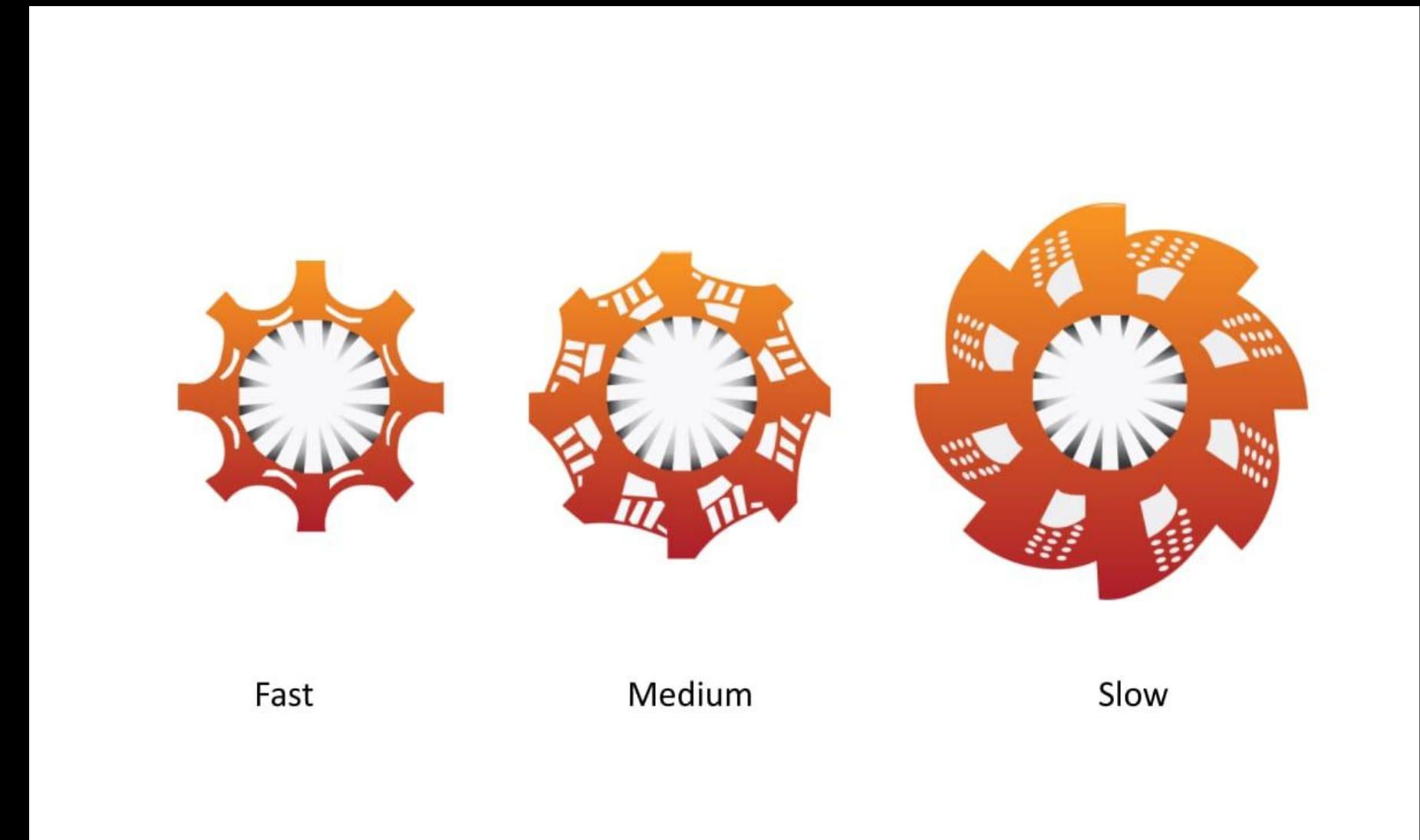
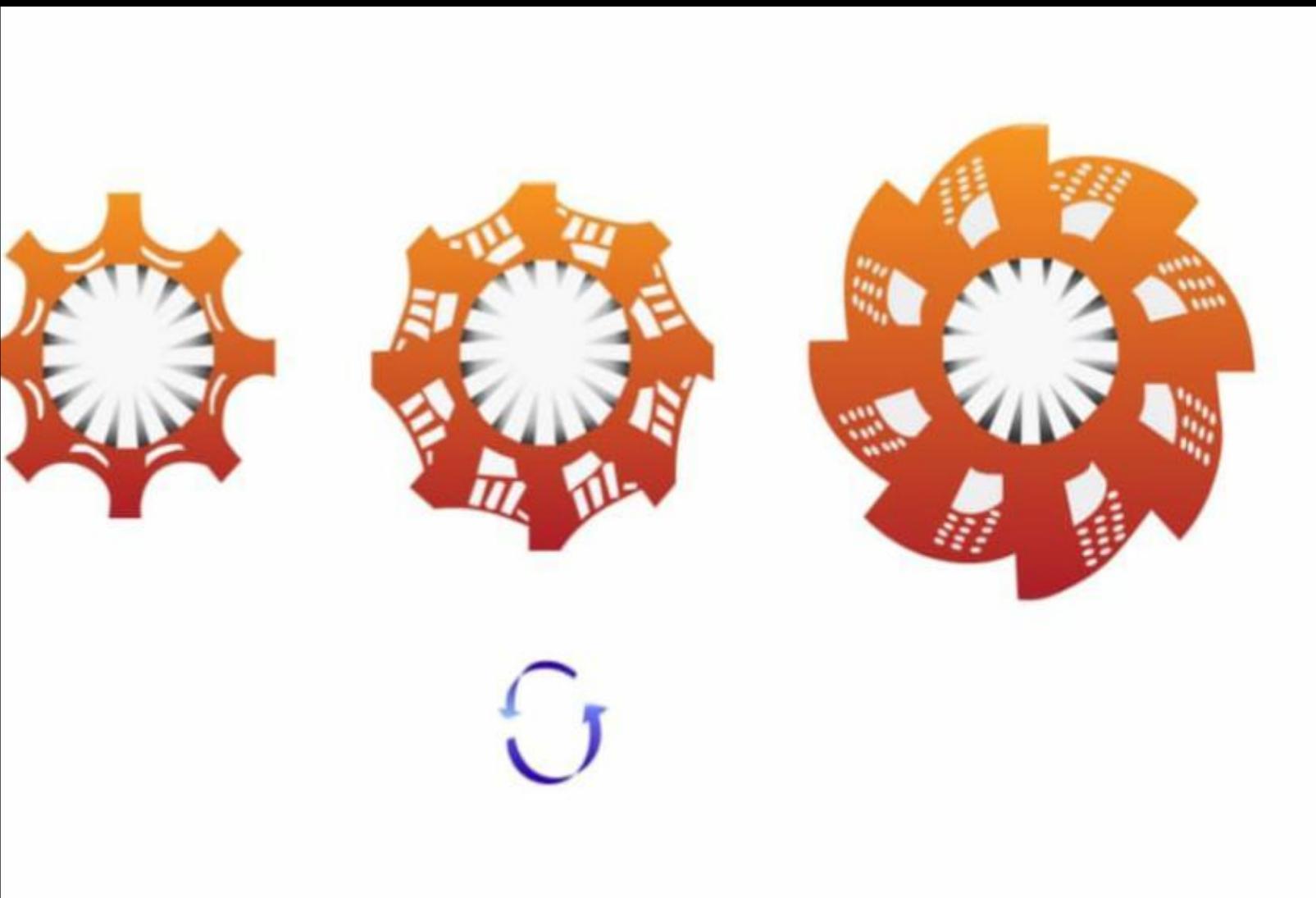


Twist nose to adjust tail feathers

Rotate clockwise – size decrease

Rotate Anti-clockwise - size increase

RESULT



ABOUT THE PRODUCT

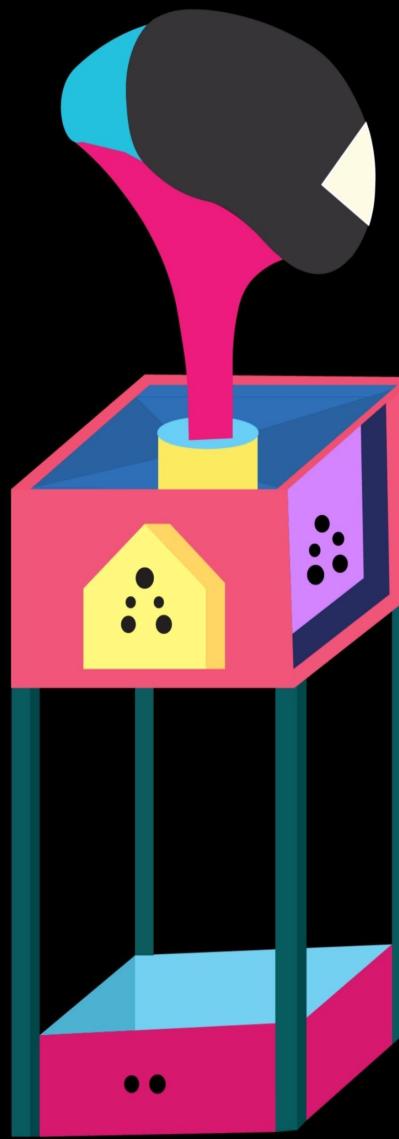
It is an adjustable shuttlecock intended to be used as a training device. From first timers to top professionals. Since the shuttle is fully adjustable, the user can change the flight pattern to focus on certain aspects of their game. Either set it to fast mode to work your back court and heighten your reflexes. Slow mode to work on their short court game. And standard shuttle size and medium setting for regular play.

Existing feathered shuttlecocks fly great but are often destroyed after several points. Rendering them useless. This shuttle is made from strong and light Rip Stop Nylon. Allowing each shuttle to have a longer life span, without sacrificing playability. The color of this shuttle makes it really stand out, making it easier to see during play.

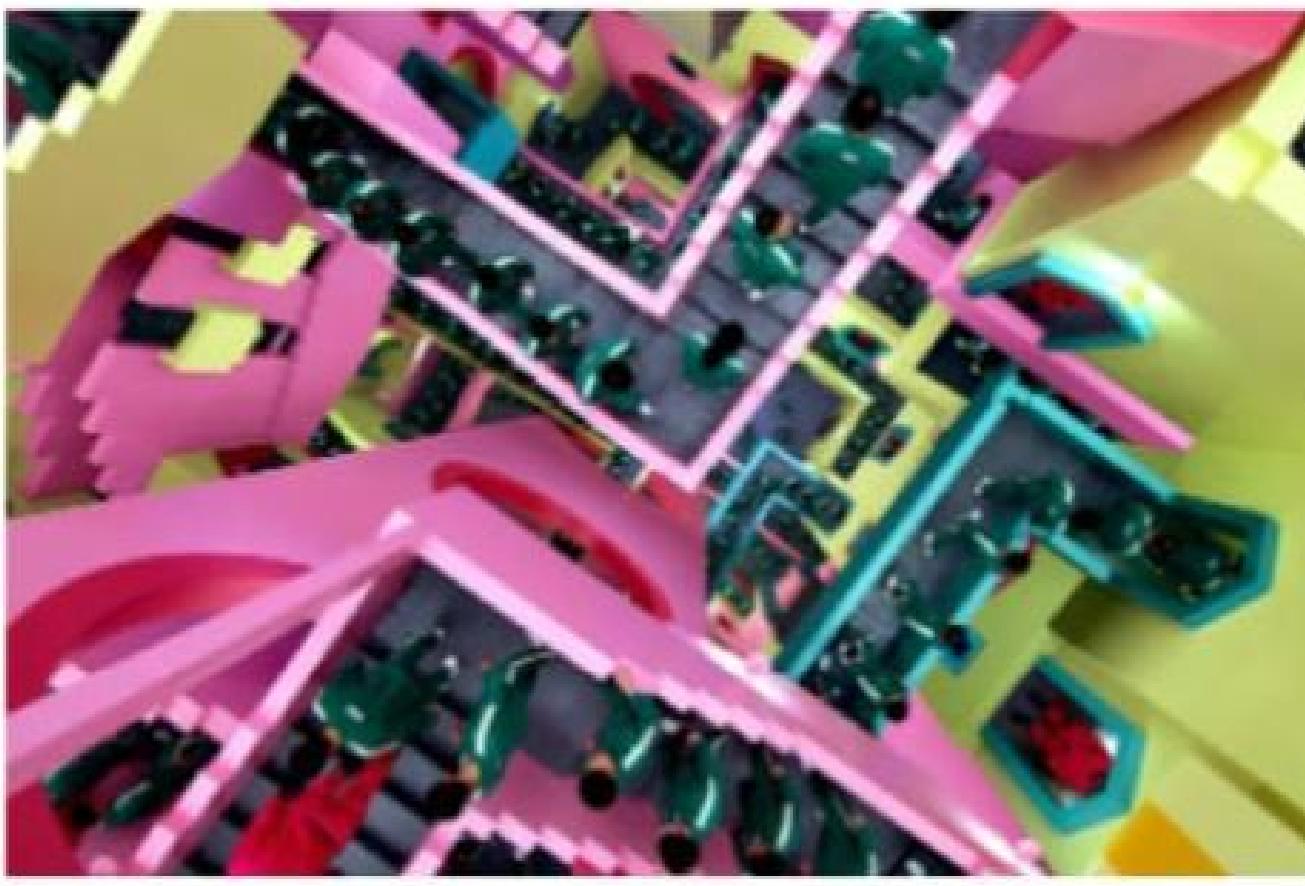
Project 3

DESIGN BRIEF

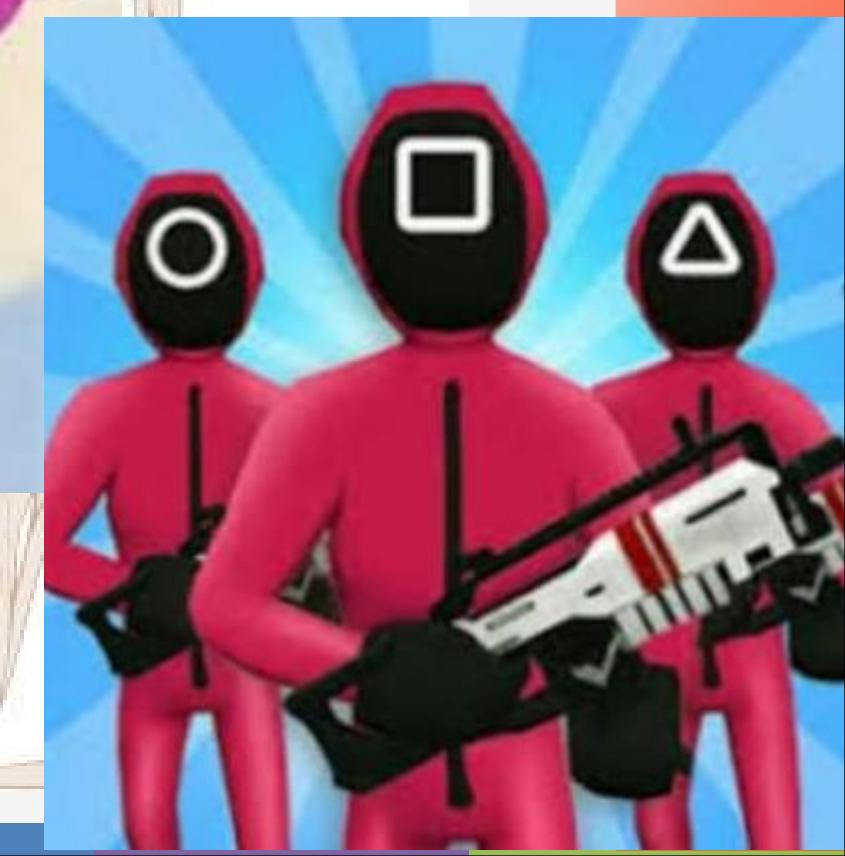
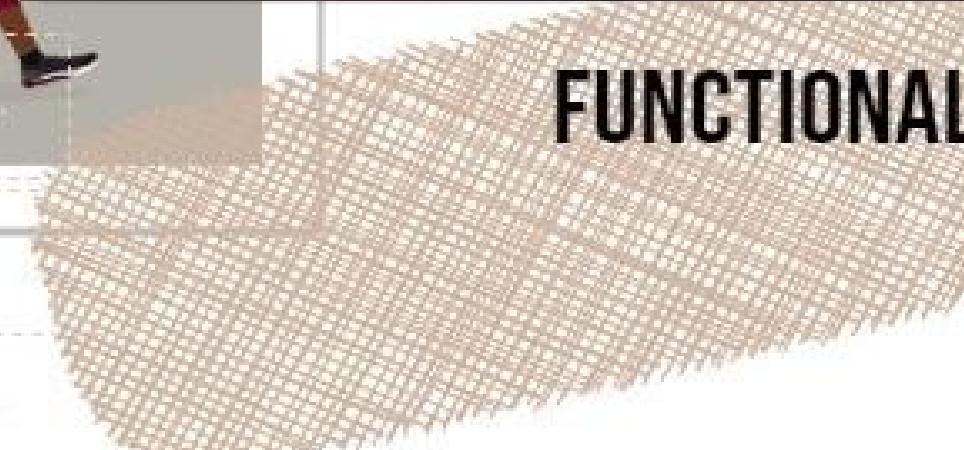
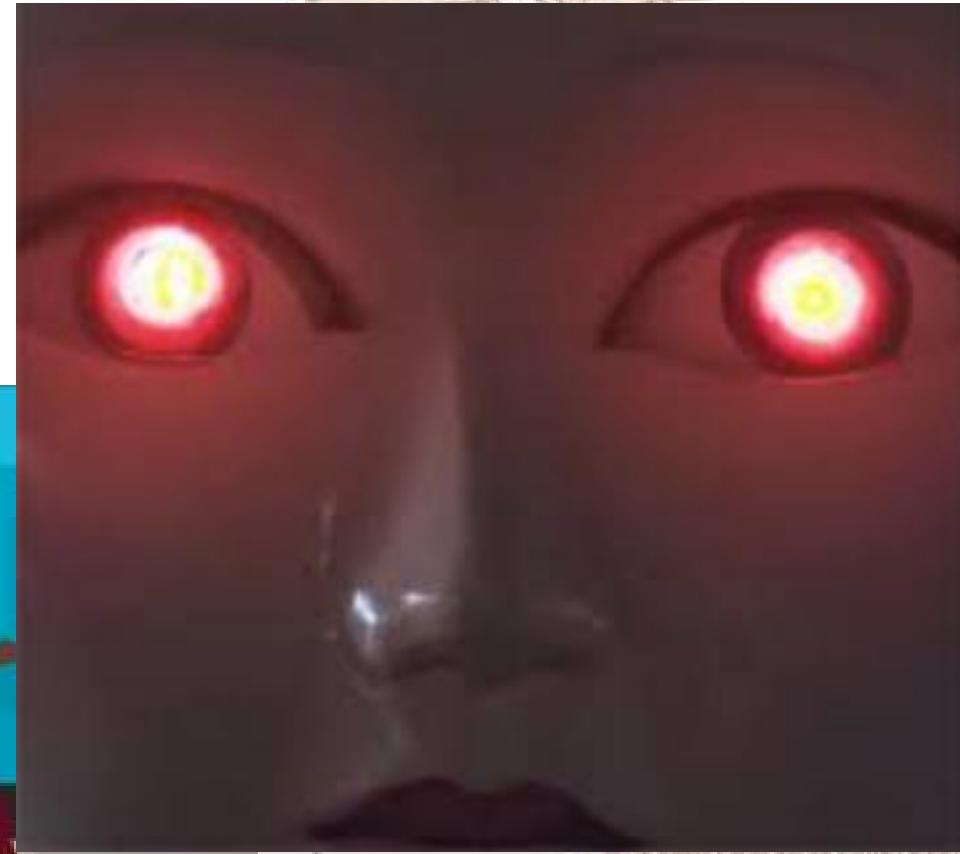
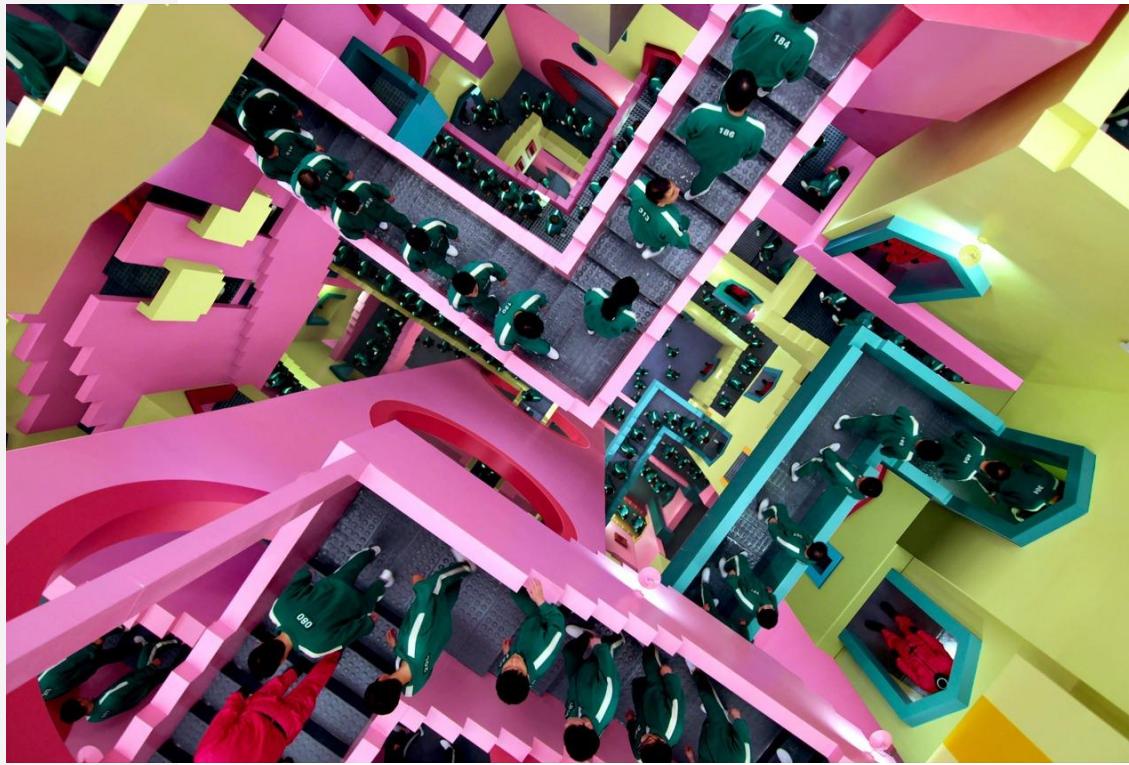
To design and make a multi-purpose Table lamp.



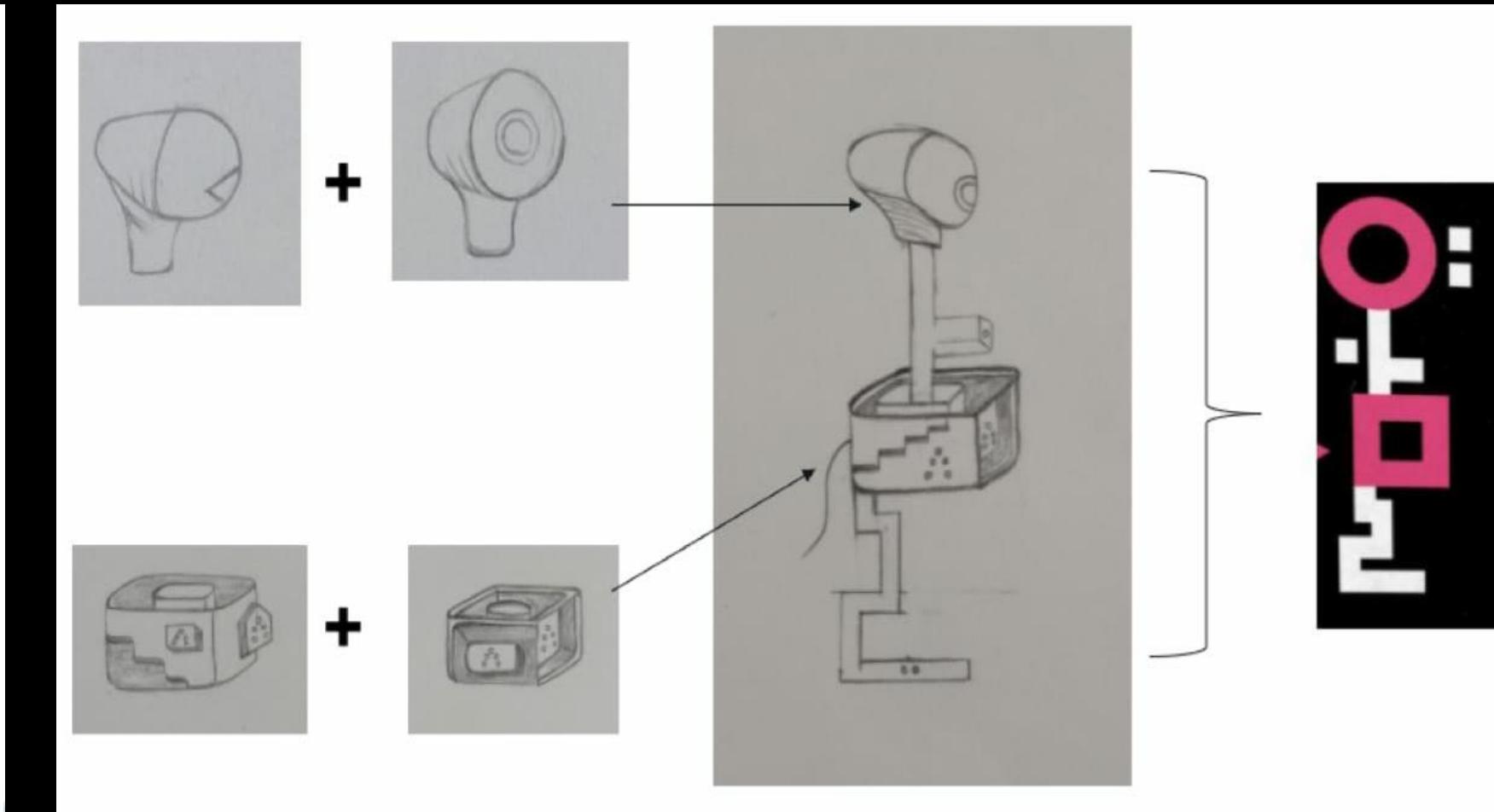
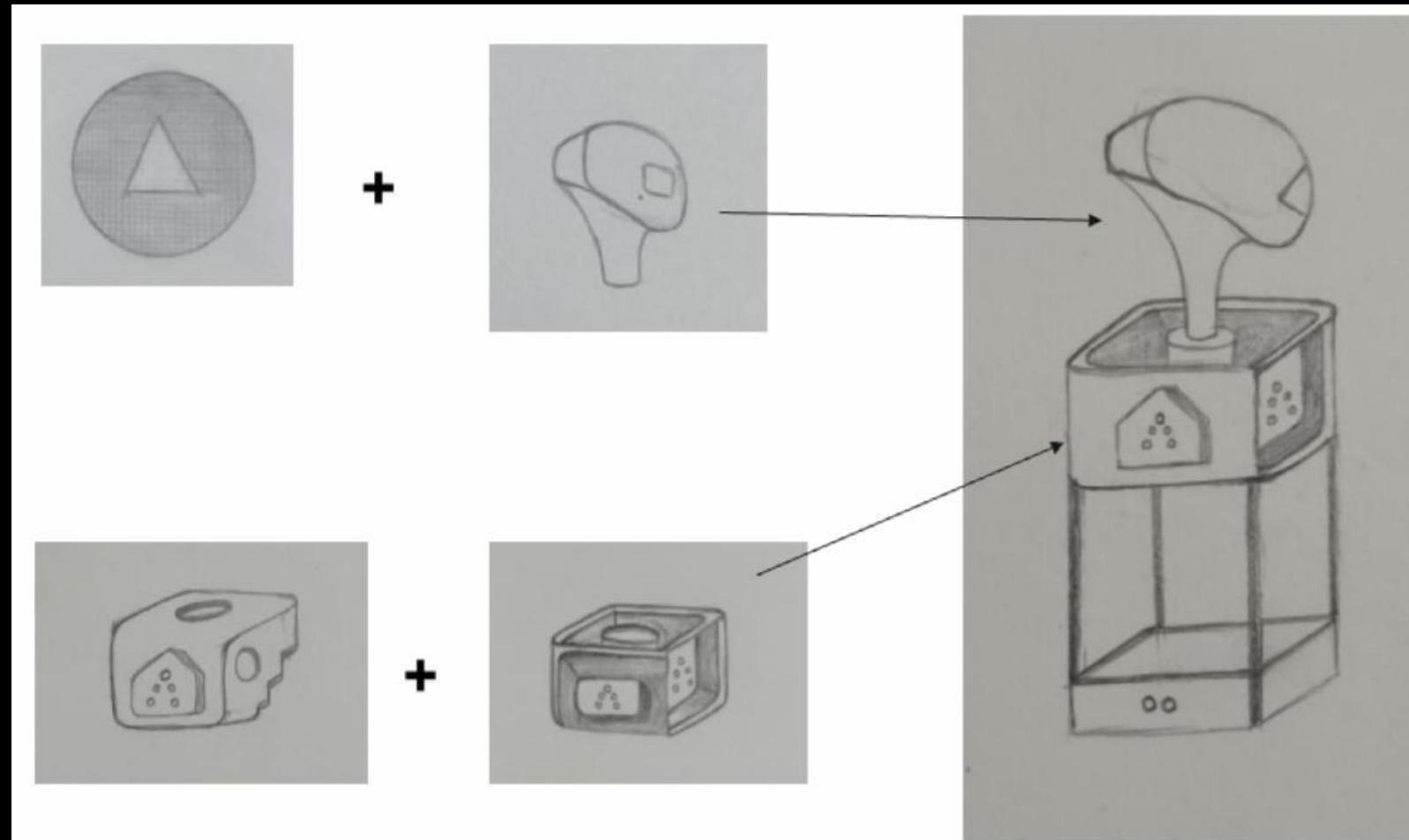
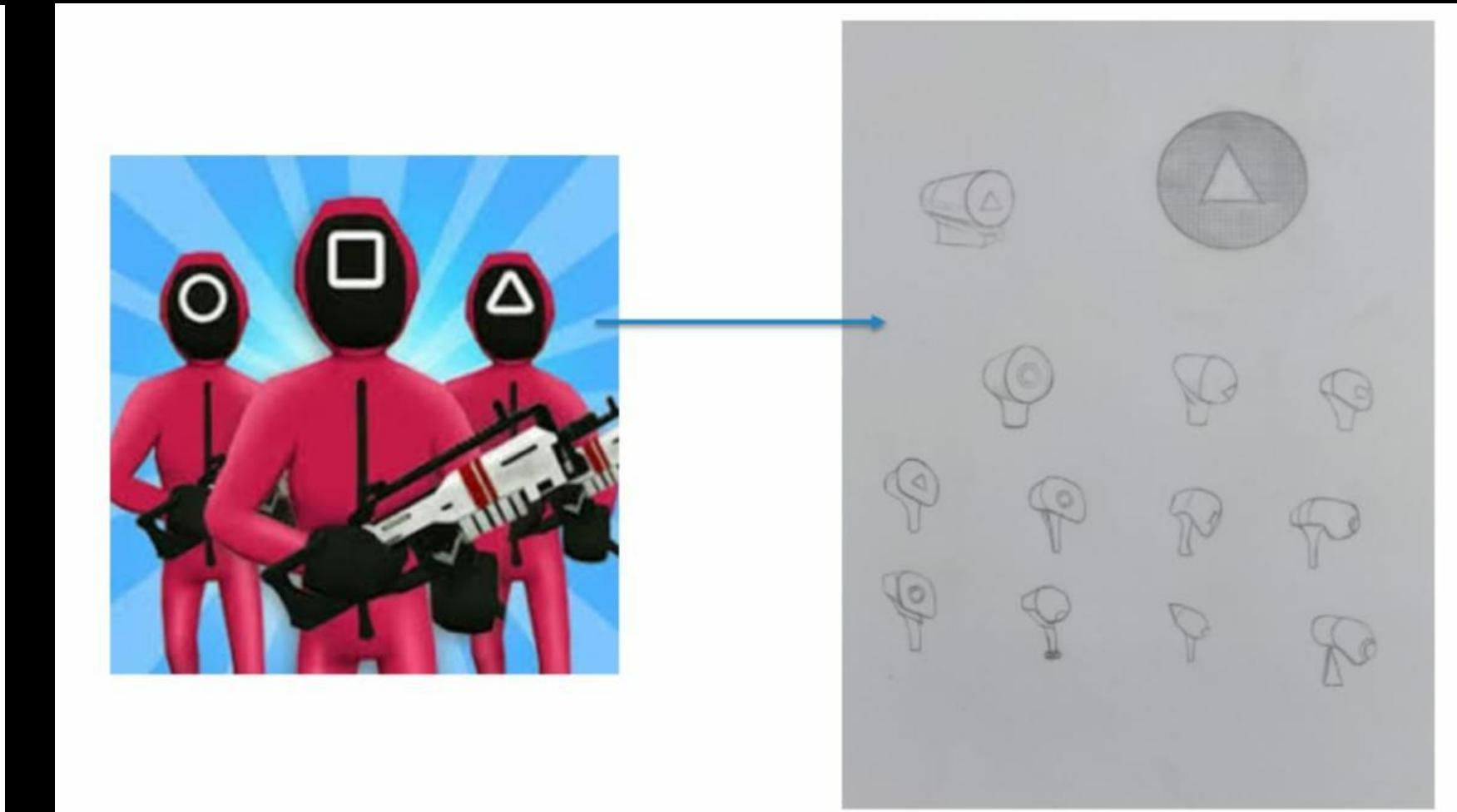
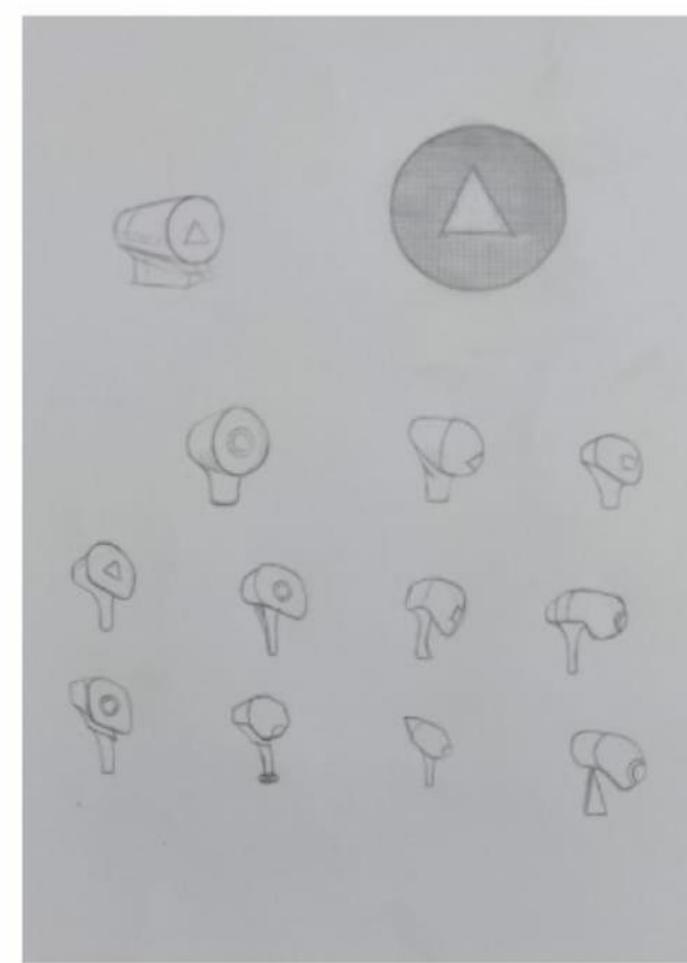
INSPIRATION BOARD



MOOD BOARD



IDEATION



Name of the Designer : Rishikesh Singh

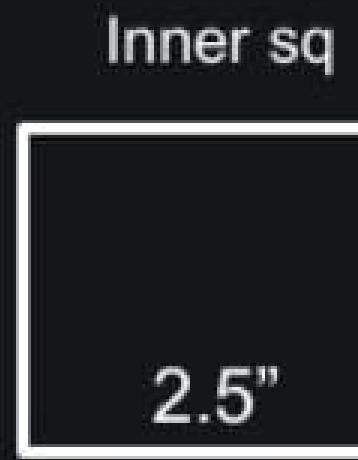
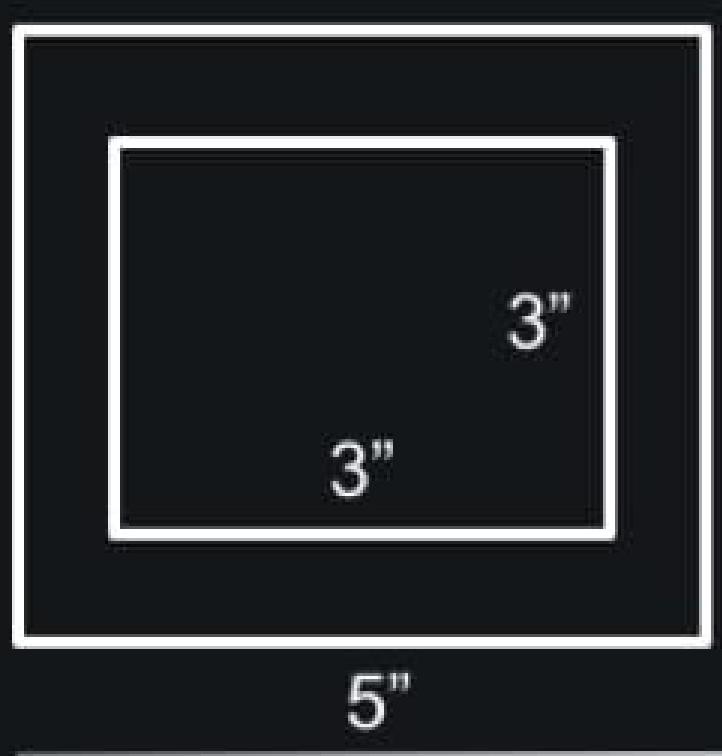
Style no : 0001

Product : Table Lamp

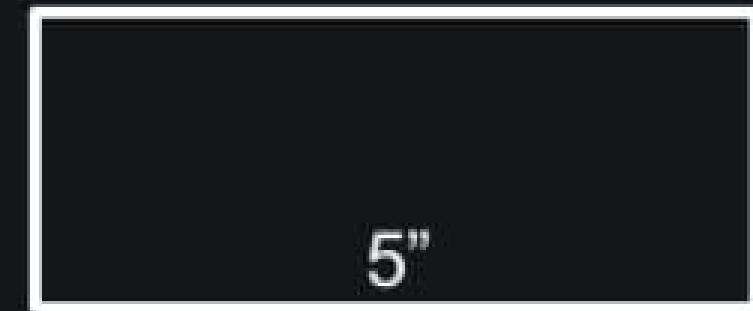
Product description : Multiple purpose table lamp (lamp /electricity board / organizer)

Material : fiber body / inverter LED bulb

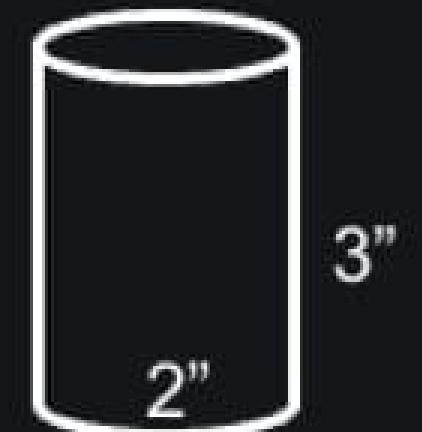
Top side view



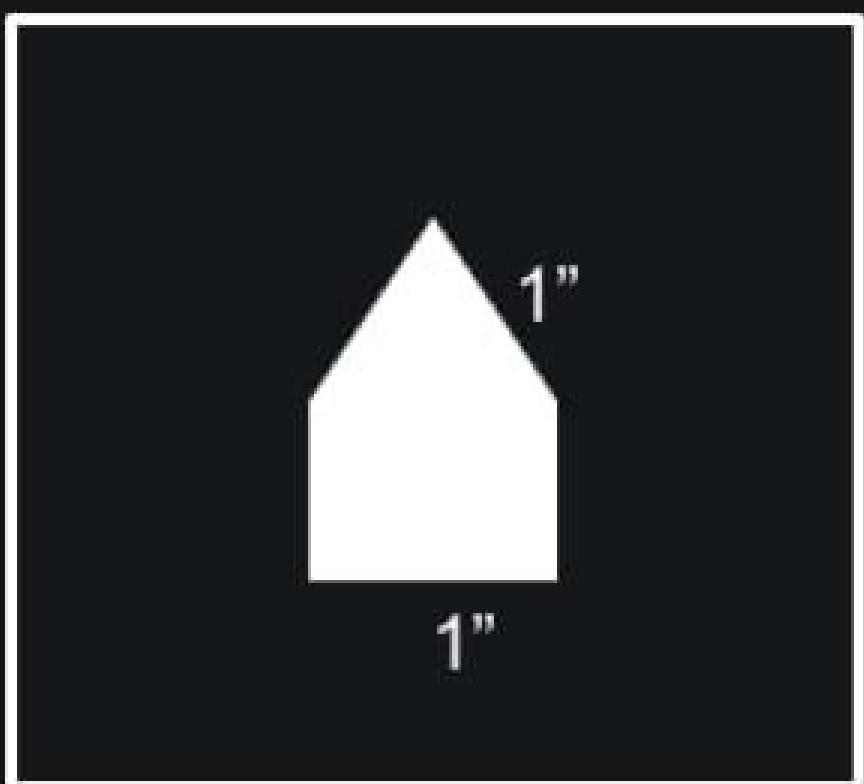
Bottom cuboid



Bulb stand



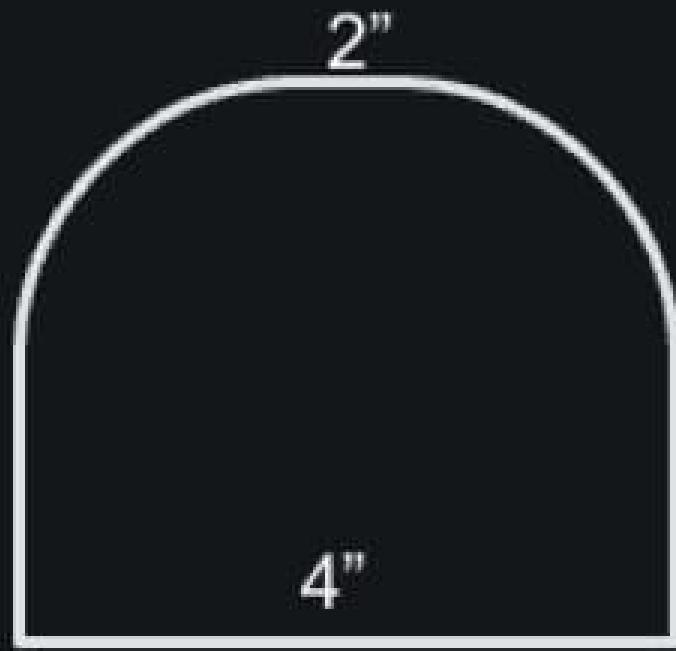
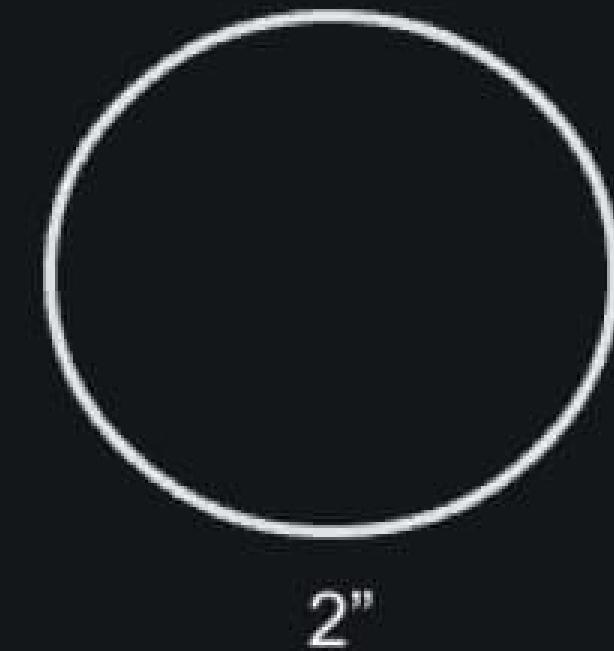
Top front view



Lamp Front view



Lamp back view

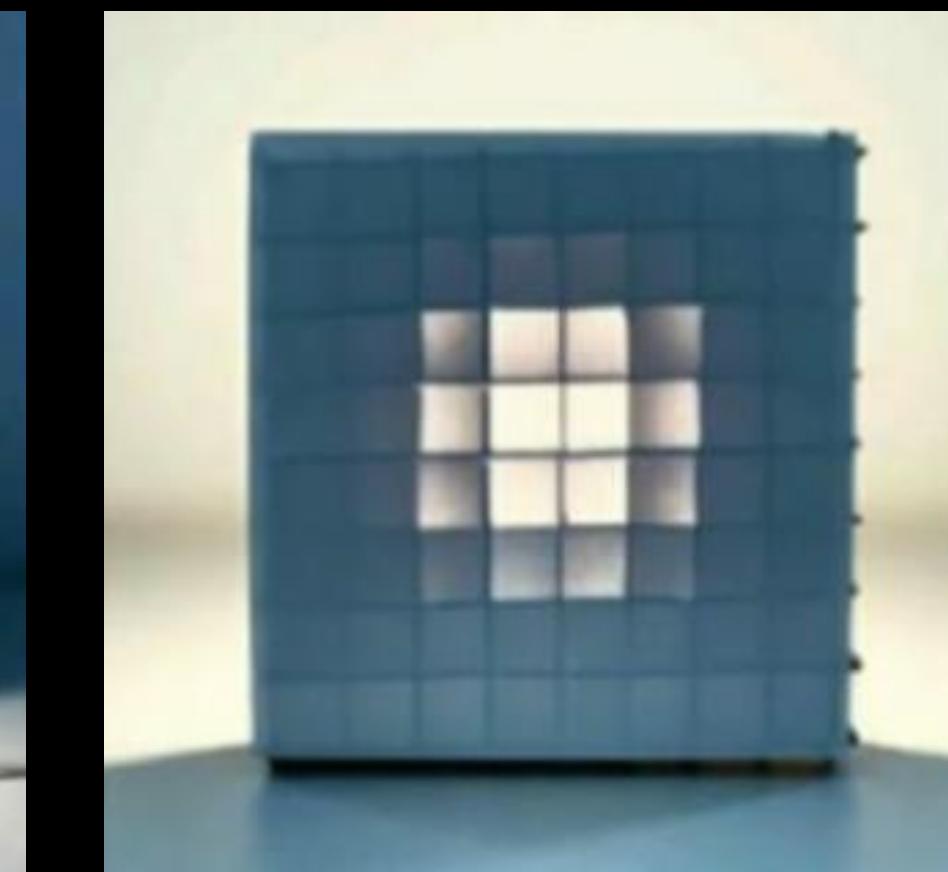
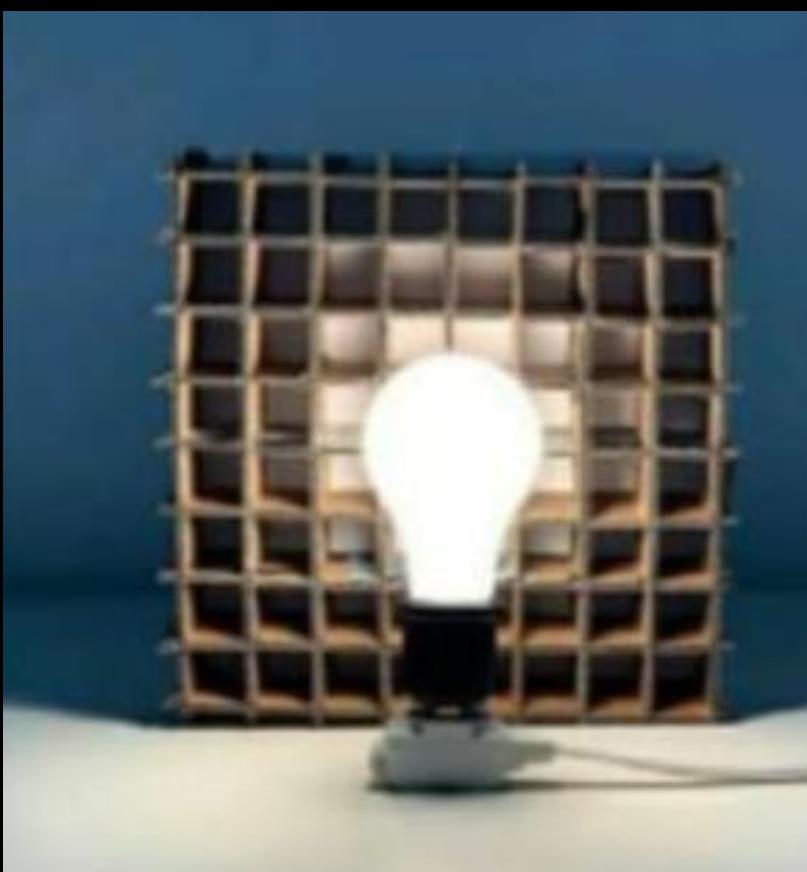


4"



Stand

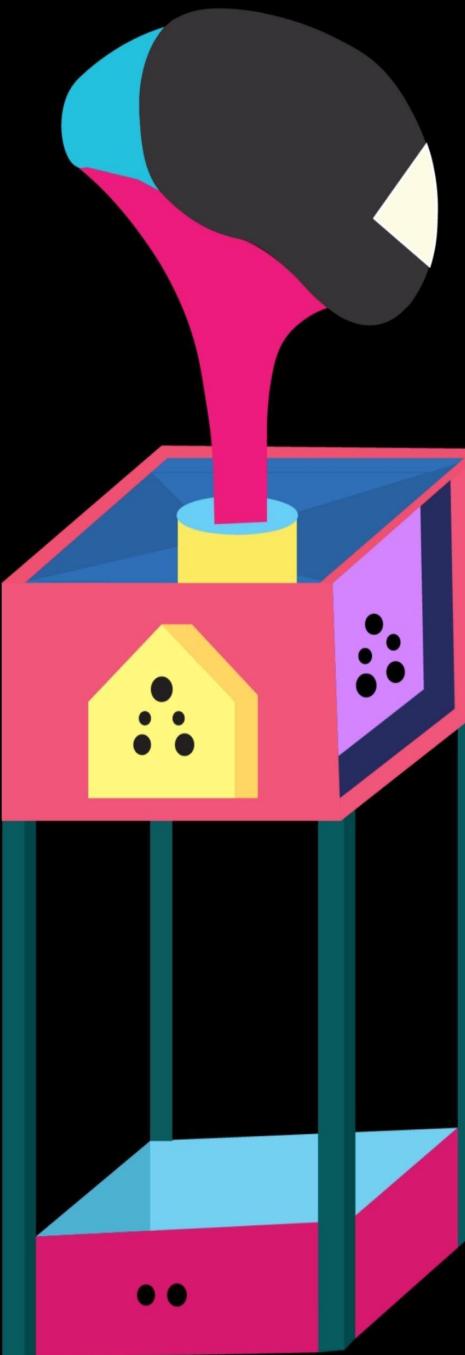
PROCESS



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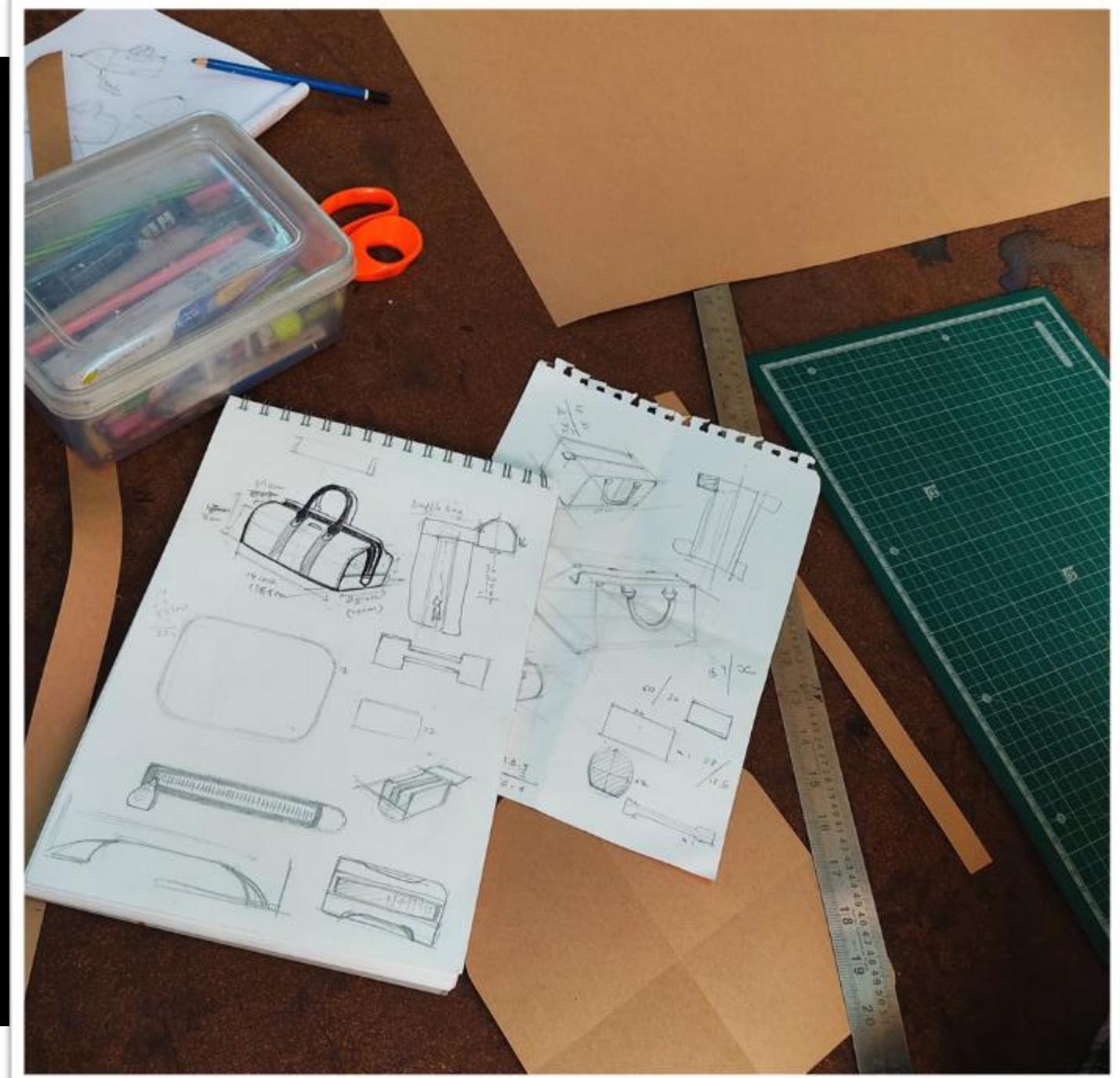
**FINAL
PRODUCT**



Duffel Bag



SKETCH





Process Work

Final Product



Image 1

Final Product



Image 2

Final Product





Backpack

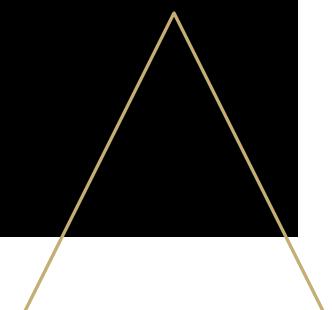


Design Brief

Design bag for fine art college going students Which full fill their requirements and easy to keep all materials inside one bag

Key words!

Fine art students	Unisex
Fabric	watch
A3 sketch book	Larger size
Painting brushes	Extra compartment
Doodle	A3 size sketch book
Waterproof	Folding pocket
Small accessories pocket	



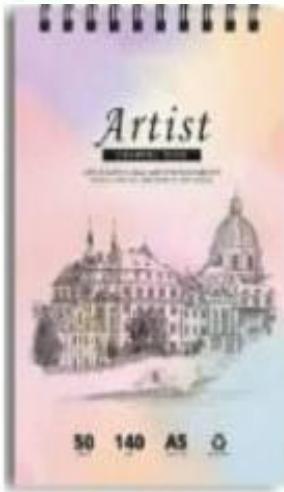


Problem and solution

Size of backpacks are small !

- **Larger in size : yes I want to make little larger backpack then the normal backpack size because students faced a lot of difficulties because of the size of backpack is small that's why they always hold their sketch book in hand ...if the size of backpack is little larger then instead of holding in hand they can keep it in the bag only !**

Materials in Bag

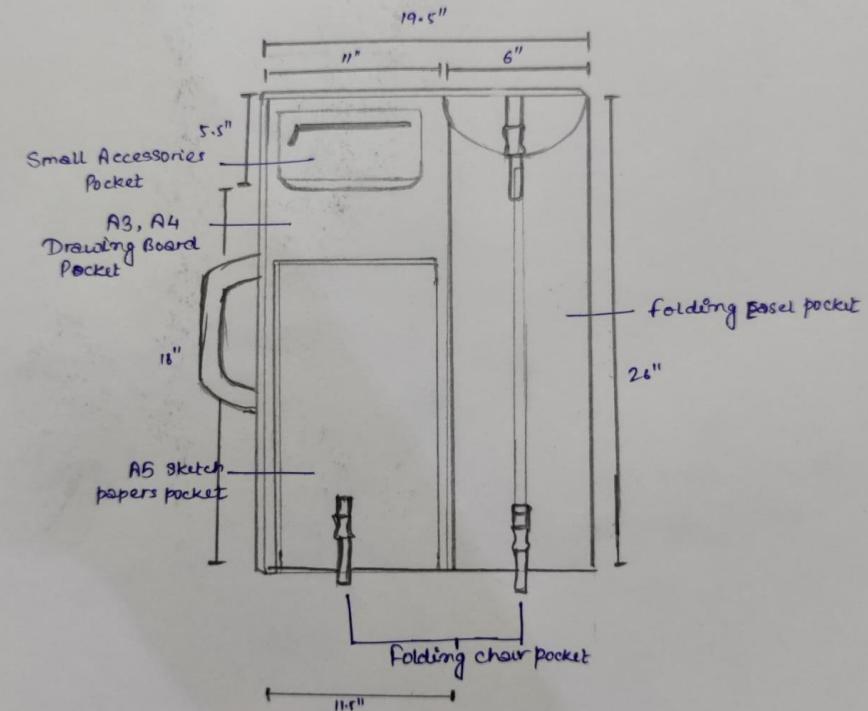


Problem

Small numbers of compartment in backpack !

Solution

Fine art College students have to carry a lot of materials so I want to add more compartment in bagpack ...if there is more compartment then they keep their materials in a very organized way





Client Details

Age group -18-26

Sex - unisex

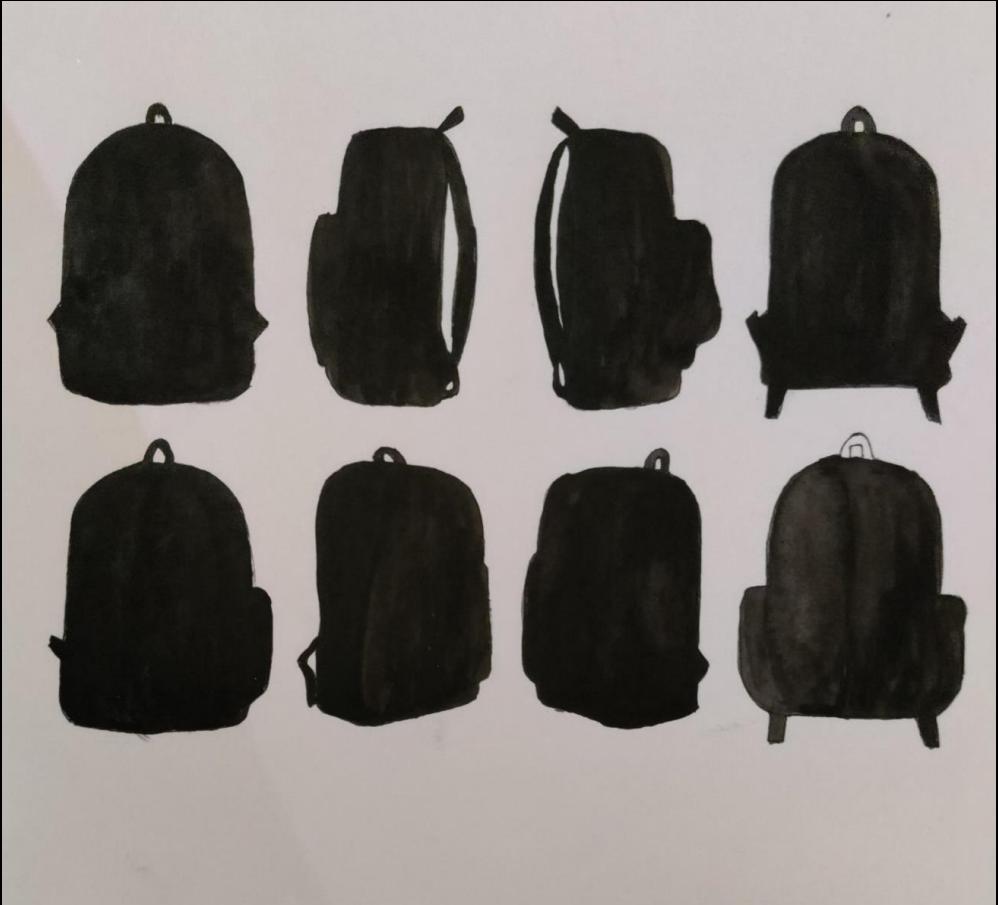
Monthly expenditure – 10000

Profession – college going students

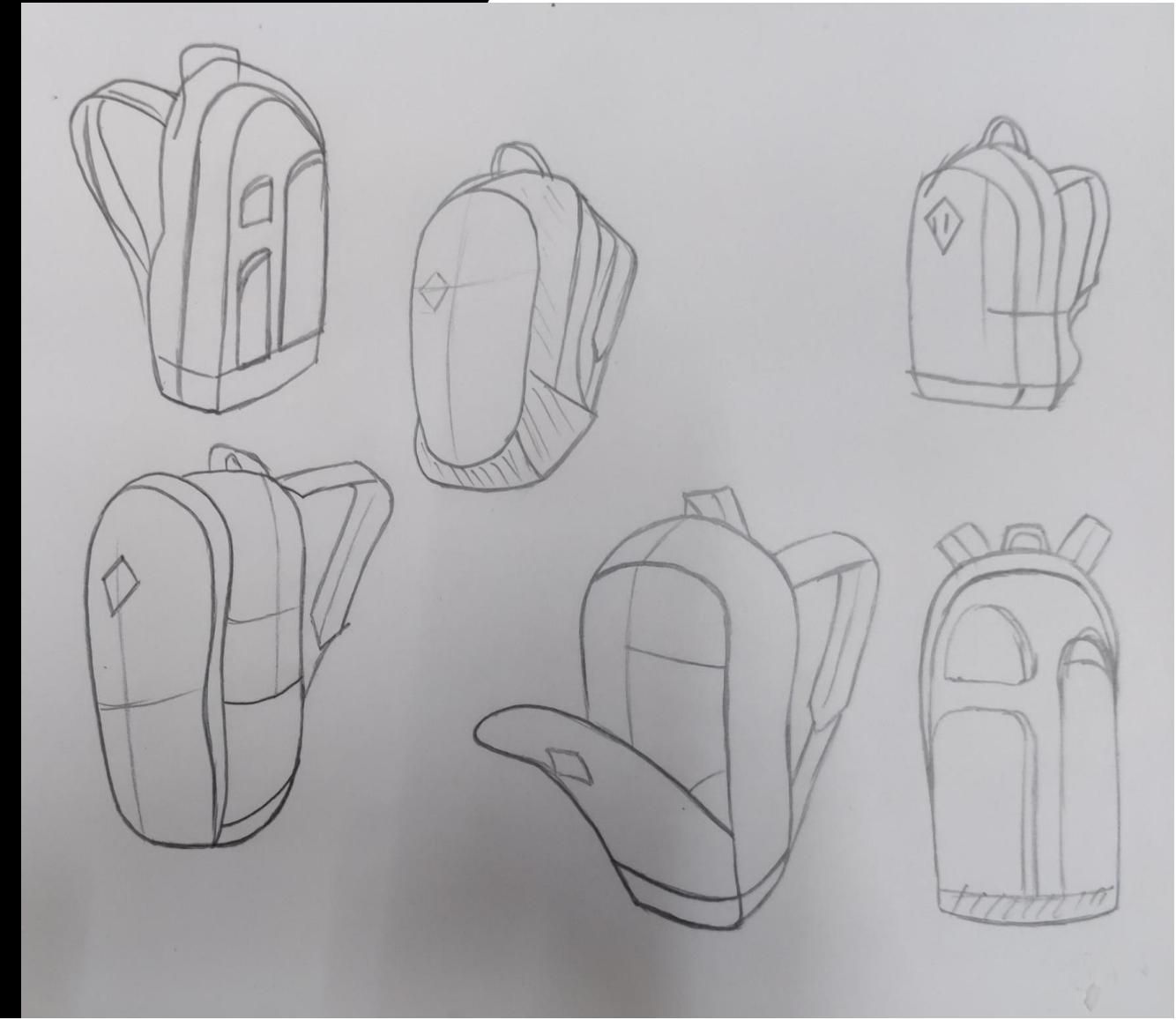
Client Activity Board

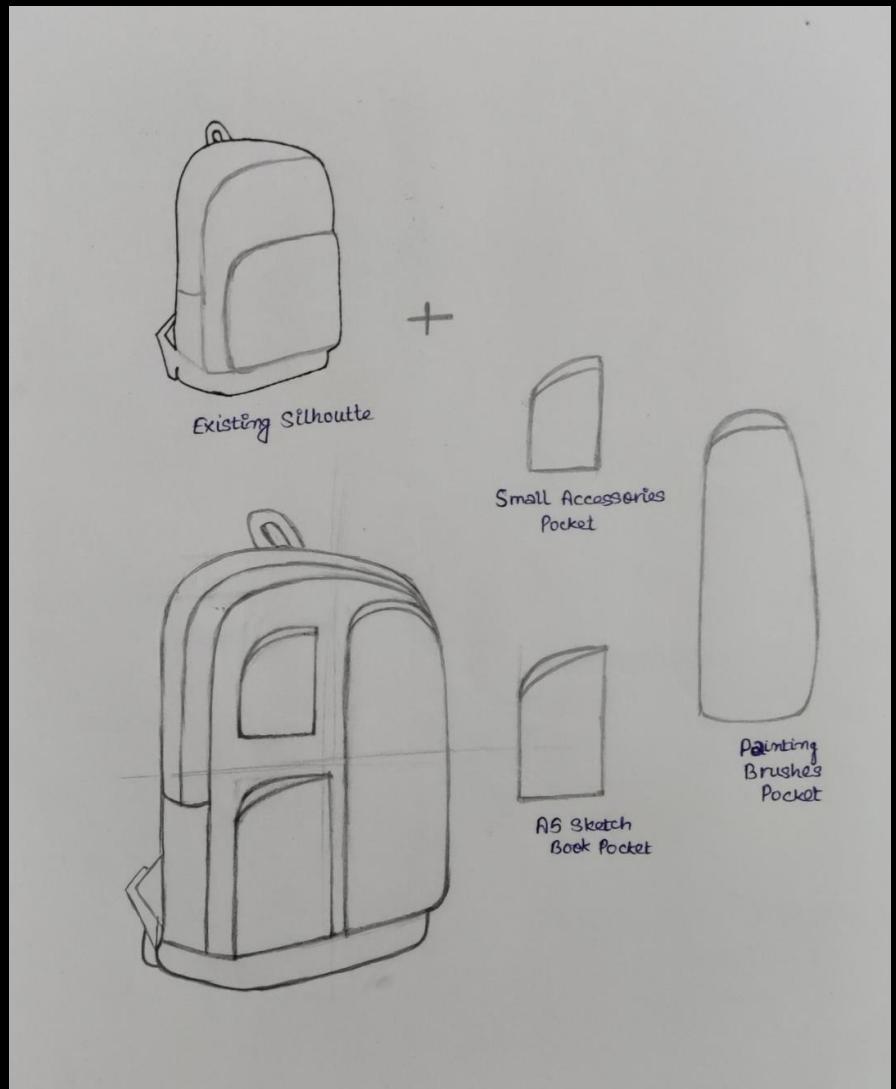


Existing silhouette



Form exploration



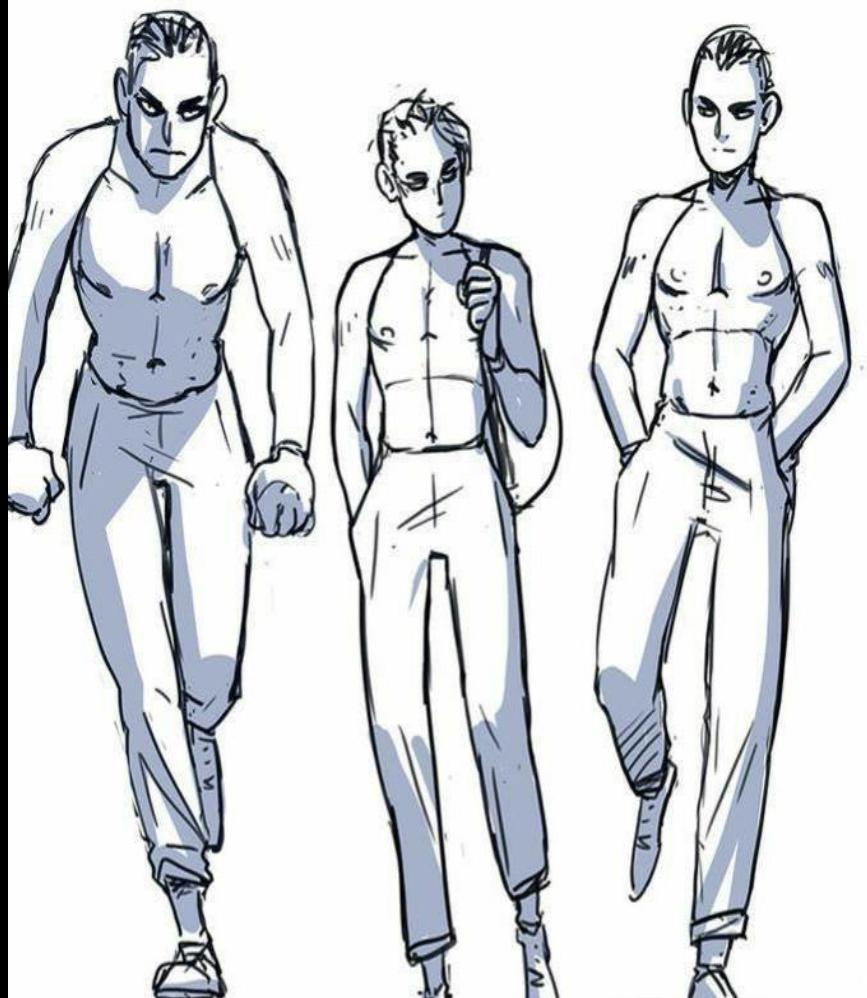


Modified or adding

- Small accessories pocket
- Pocket for painting brushes
- A5 sketch book pocket
- Size of the bag (increase)
 - * Adding a big compartment

Size (12.5×17.5) inches. (New)

Size : (9.3×12.7) inches. (Old)



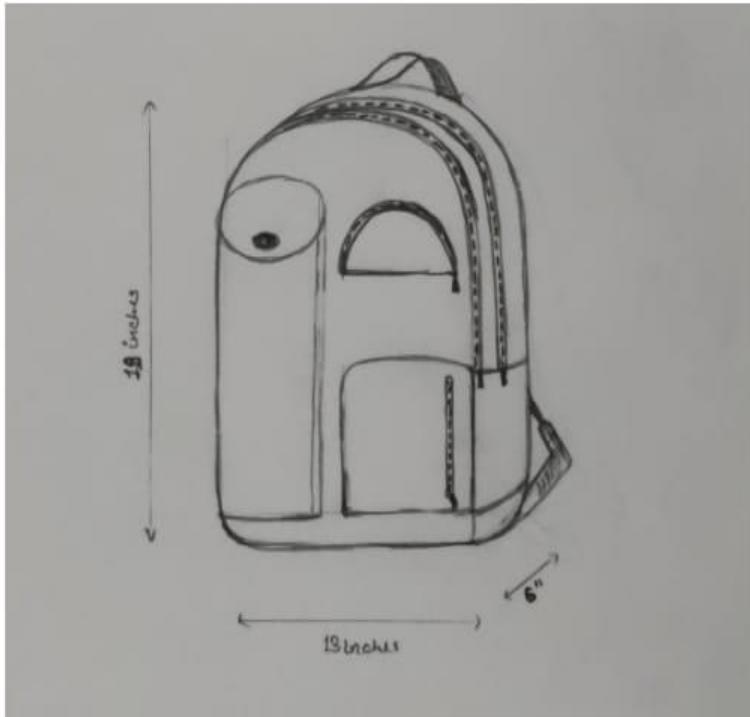
On Body



FINAL DESIGN

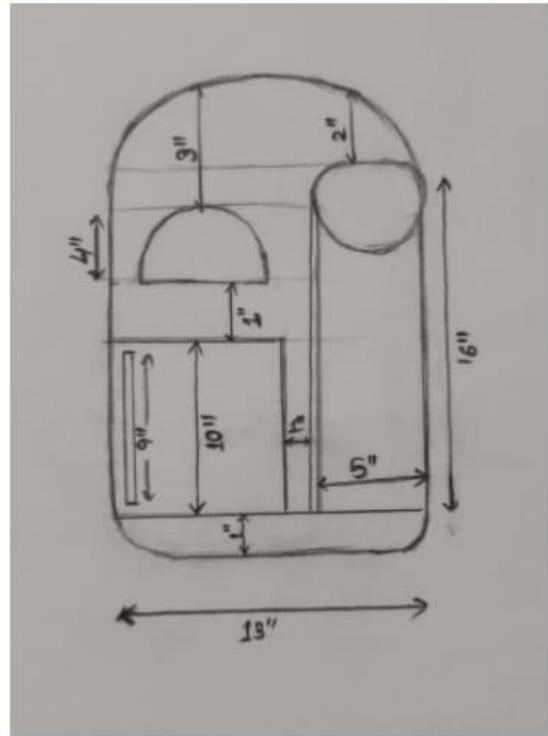


Specifications sheet



Dimensions

(19 x 13 x 6) Inch



Front

Specifications sheet



The most common materials chosen for this design are natural or polymer fabrics: canvas (usually cotton-based), nylon and polyvinylchloride (PVC) are examples.



Thank you !

