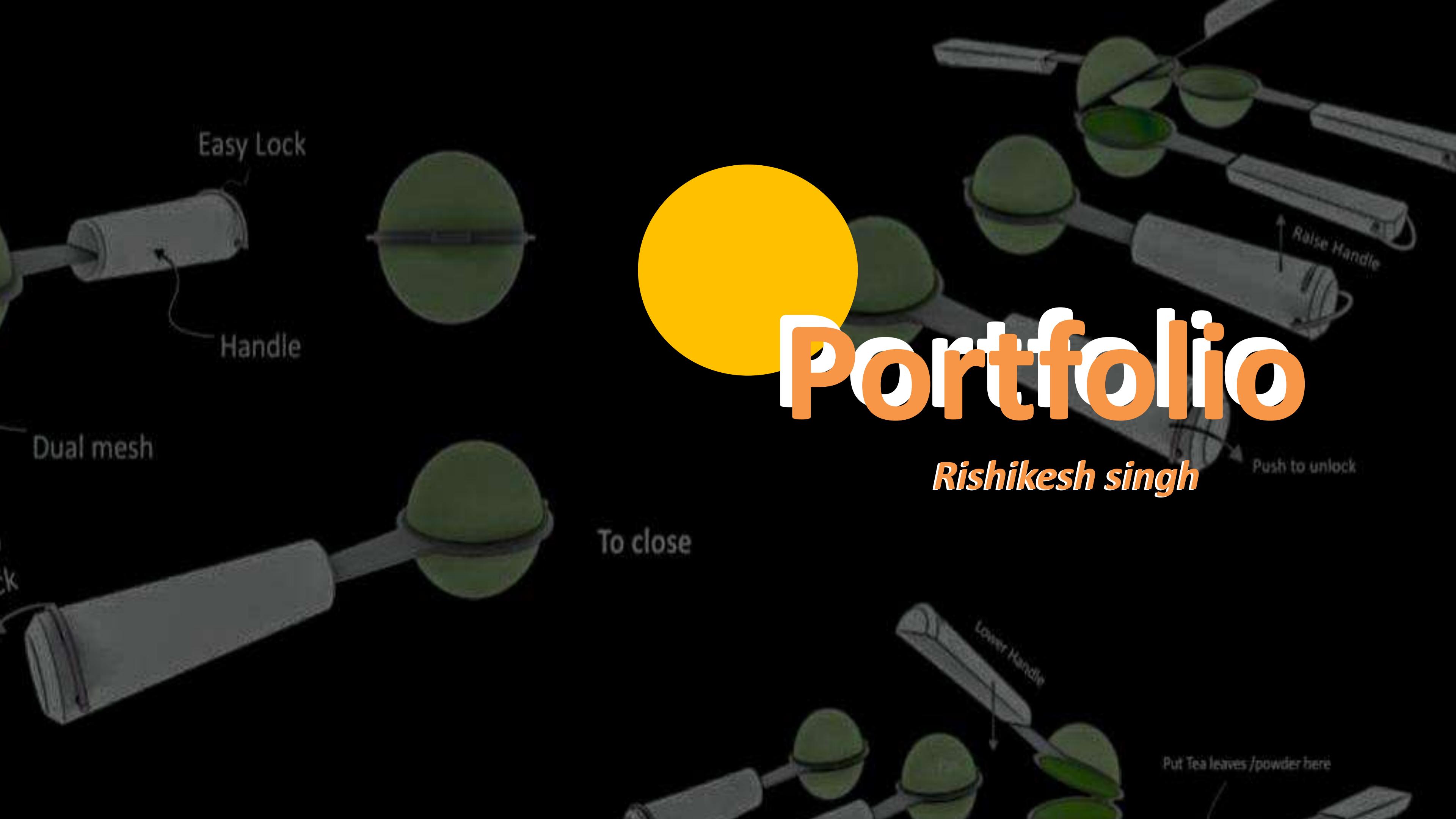


# Portfolio

*Rishikesh singh*



# Project 1

## DESIGN BRIEF

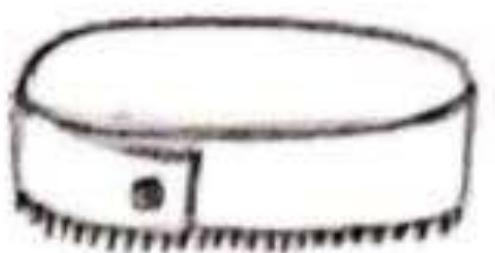
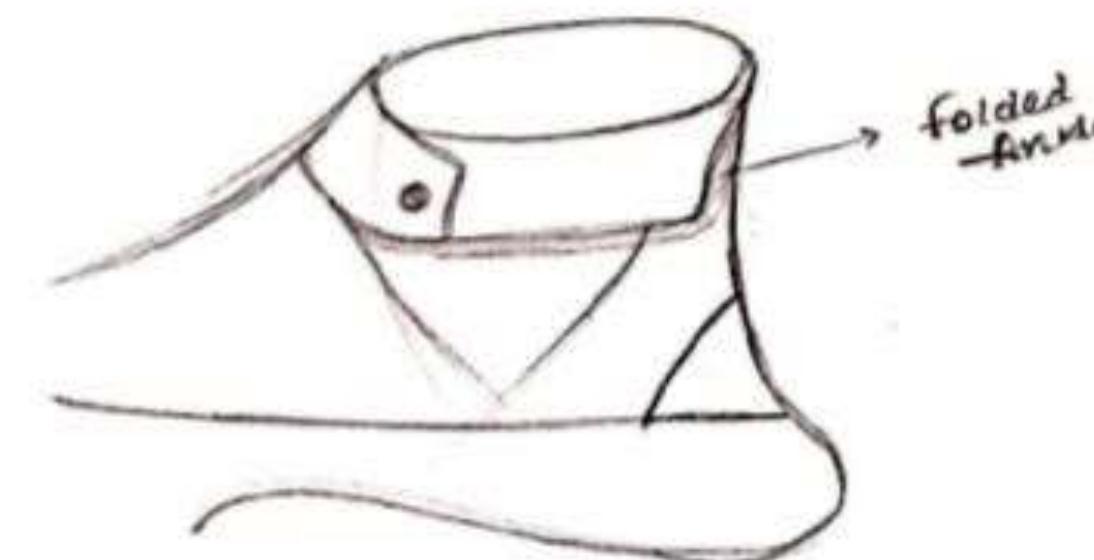
To design a basketball sneakers for adults (21-25 age group ) which can be wore as party wear or causal shoes .



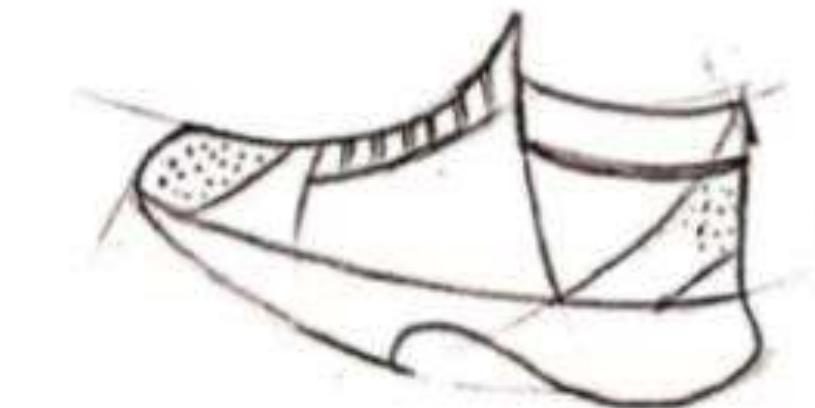
# SCAMPER



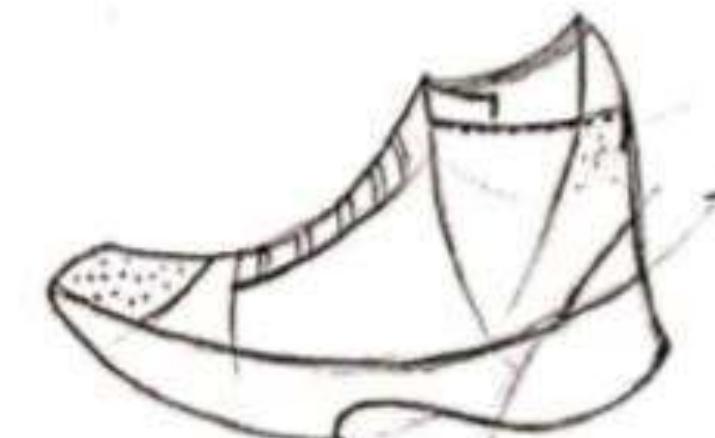
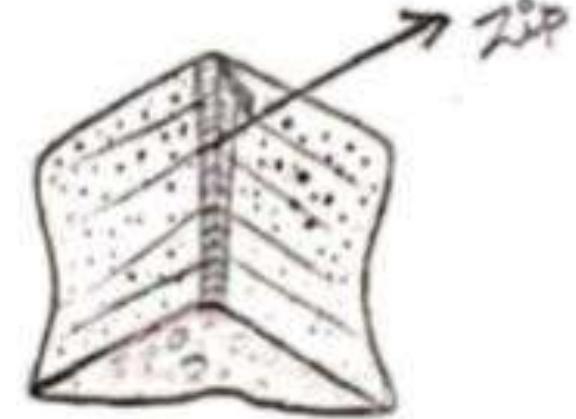
\* → mid-top or high ankle  
Sneakers are comfortable if you  
are playing or standing, but  
for casual purpose if you  
wore that sneaker then it might  
be little uncomfortable for you because  
when you sit your make folded little by  
& on that moment of time your make  
hurt due to high ankle of your make.



Detachable ankle / foldable  
sneaker.



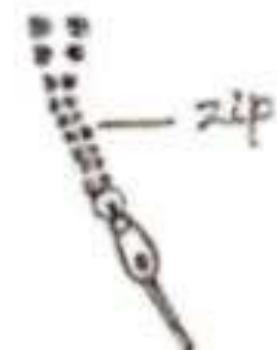
low-top  
Sneakers



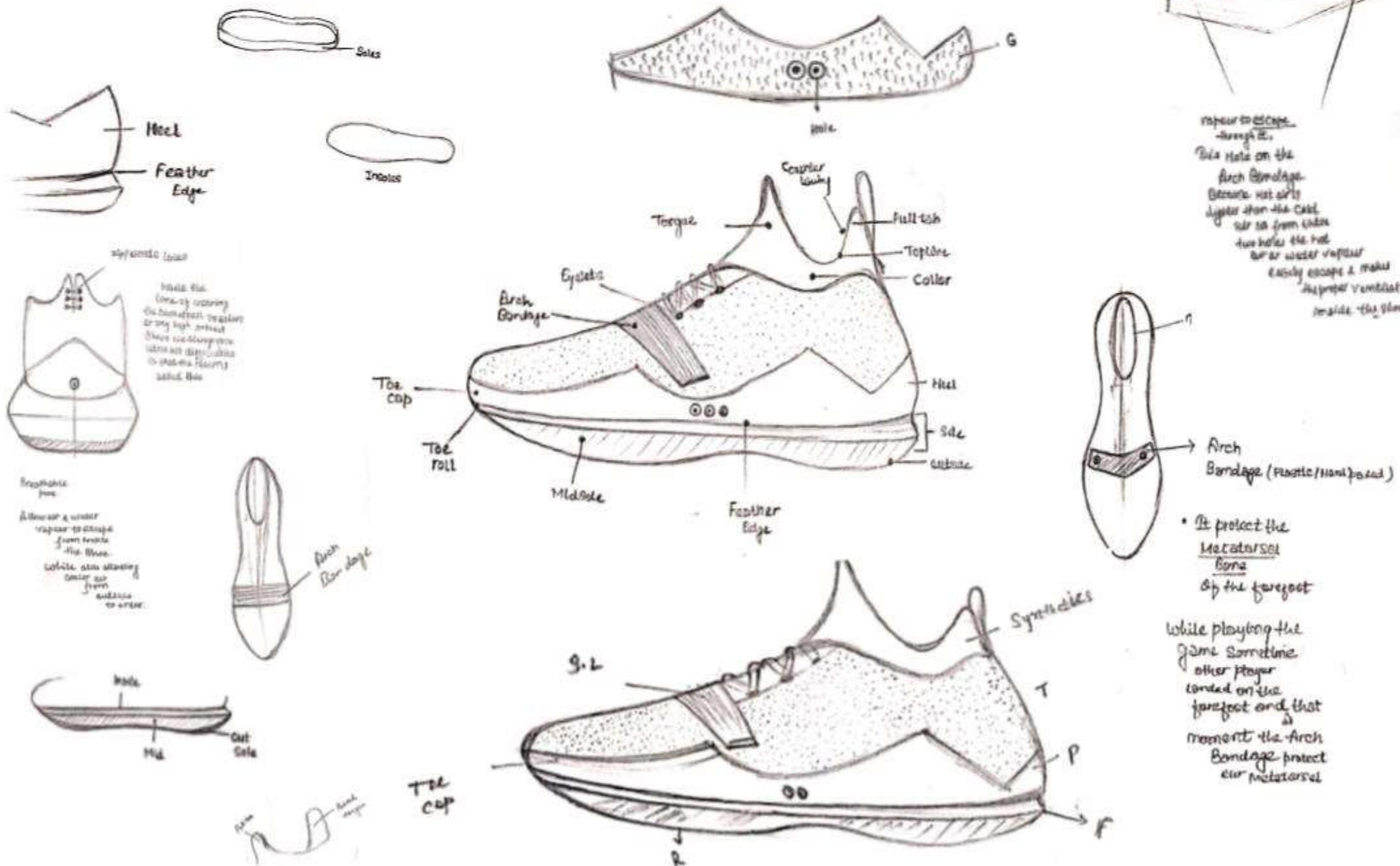
mid-top  
Sneakers



\* While the time of  
wearing the basketball  
Sneakers or any high ankle  
Sneakers we always feel little bit  
different so just the reason!  
Want to use the concept of both  
in flat Sneakers ... like I want to add  
zip in the back part of sneaker & that  
makes it easy to wear.



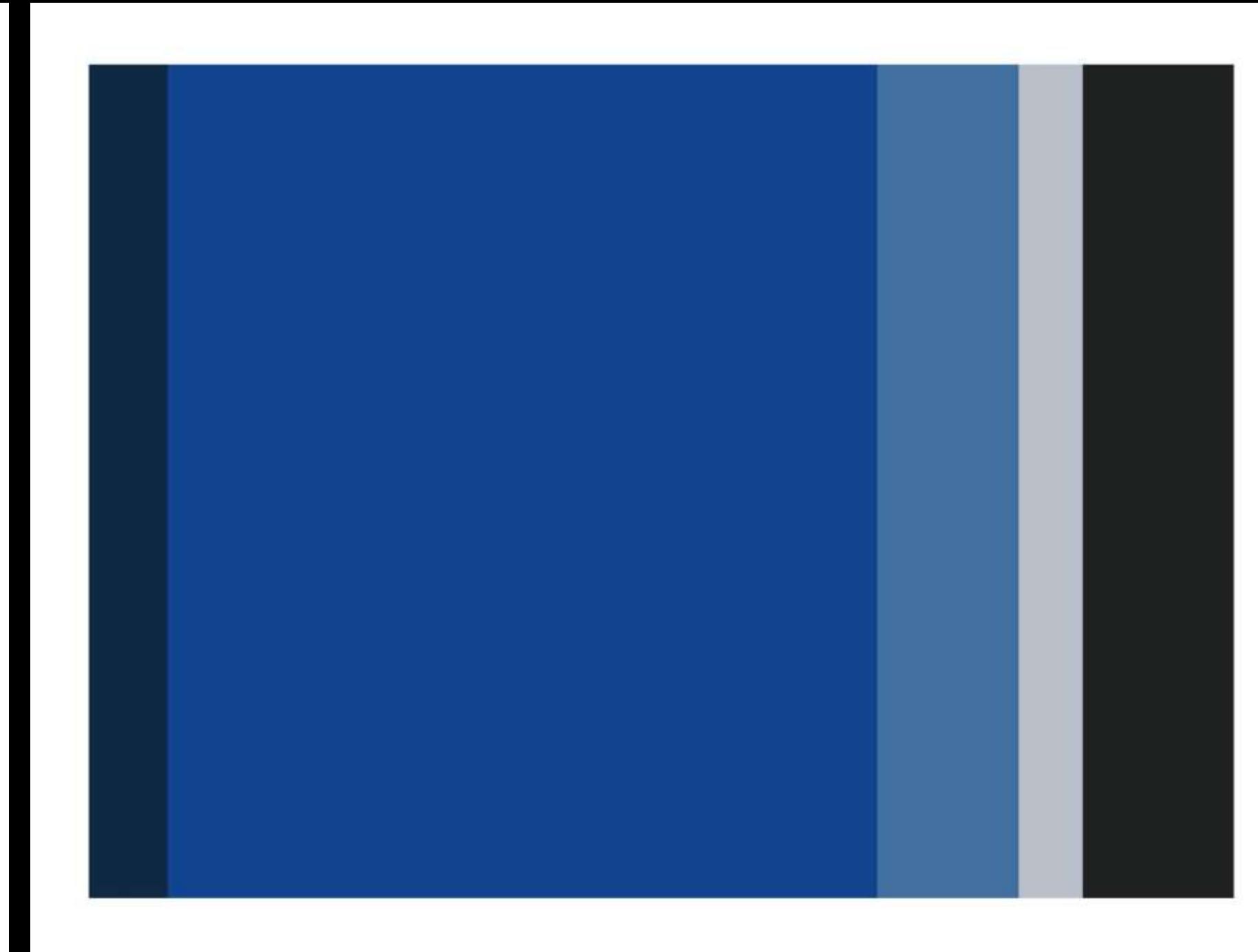
# CONCEPT



# FINAL DESIGN



# COLOUR BOARD

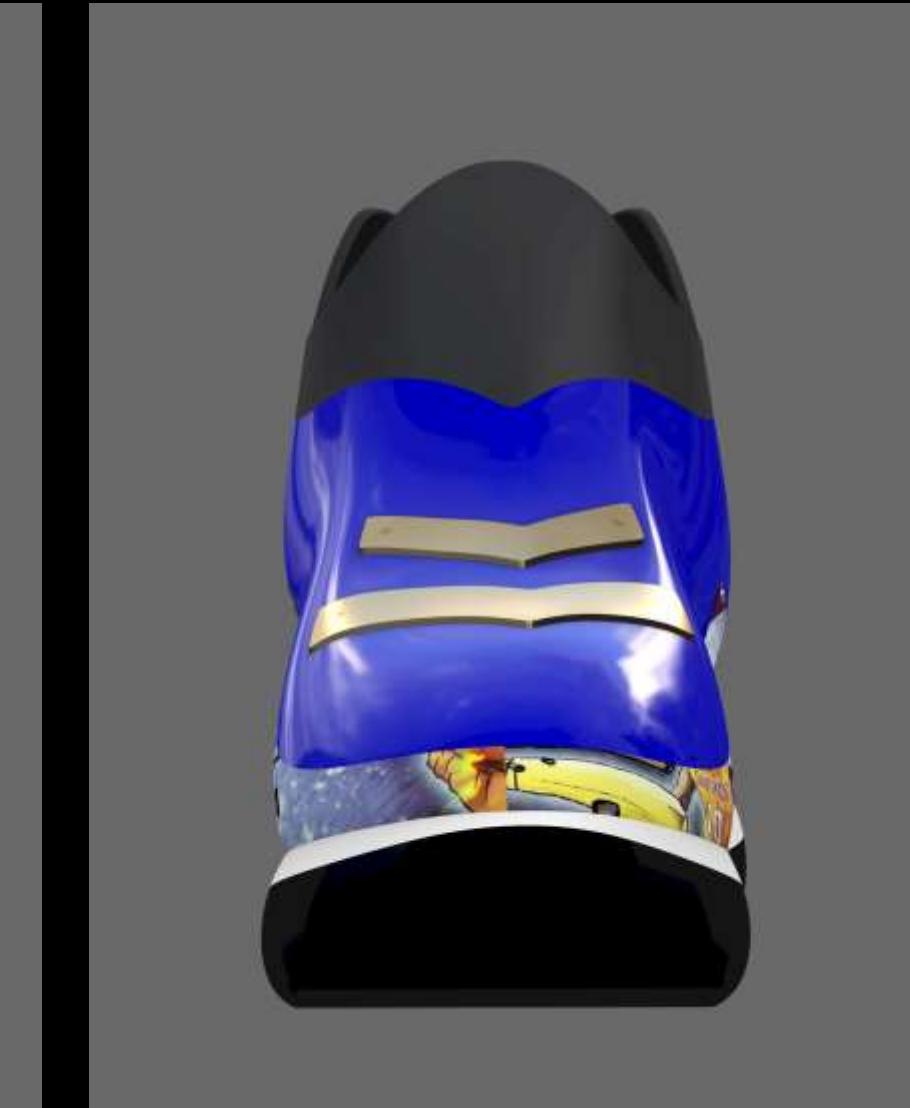


# RANGE





VIRTUAL PROTOTYPE ON RHINO



# Project 2

## DESIGN BRIEF

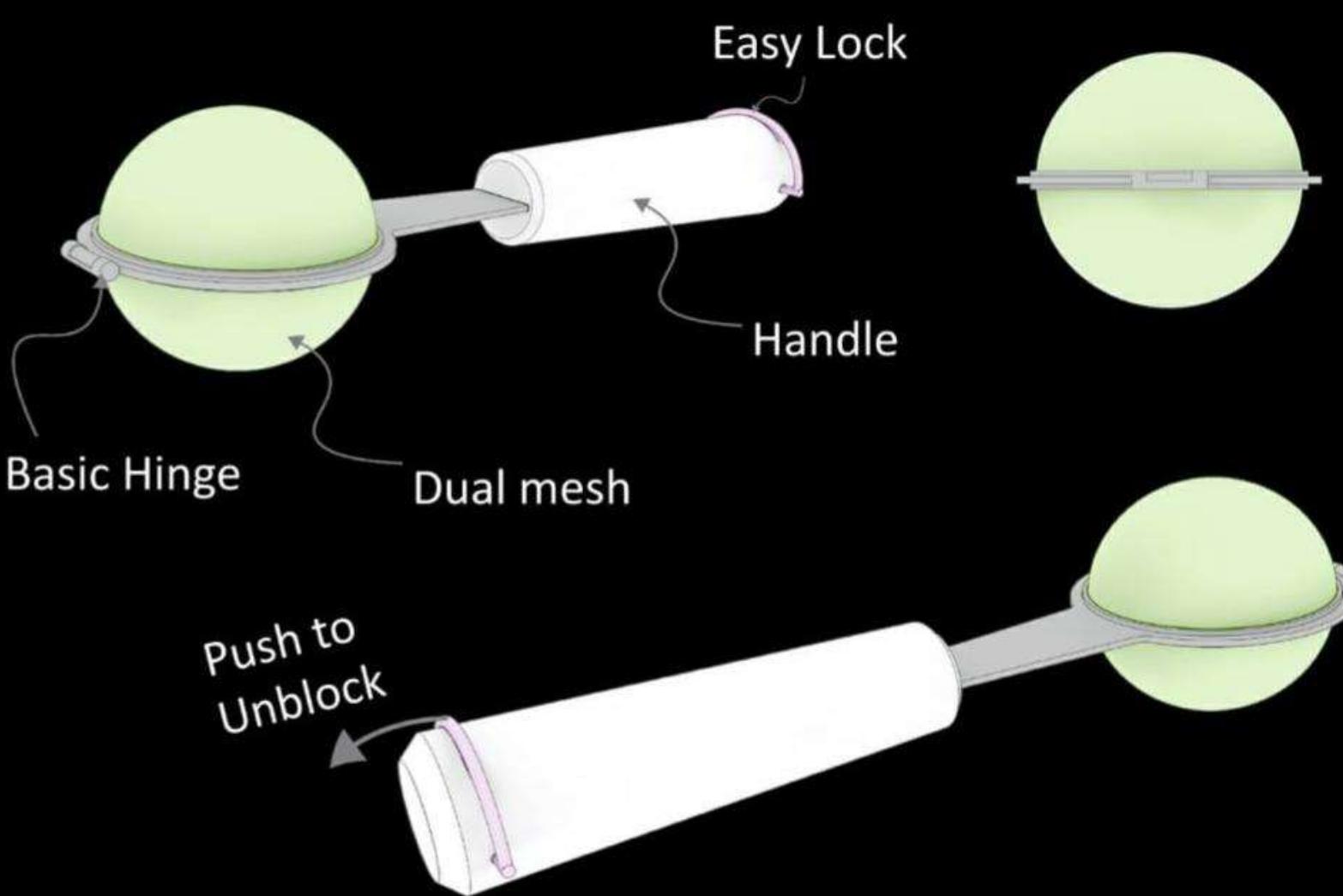
“Design a product that strains tea while its made”



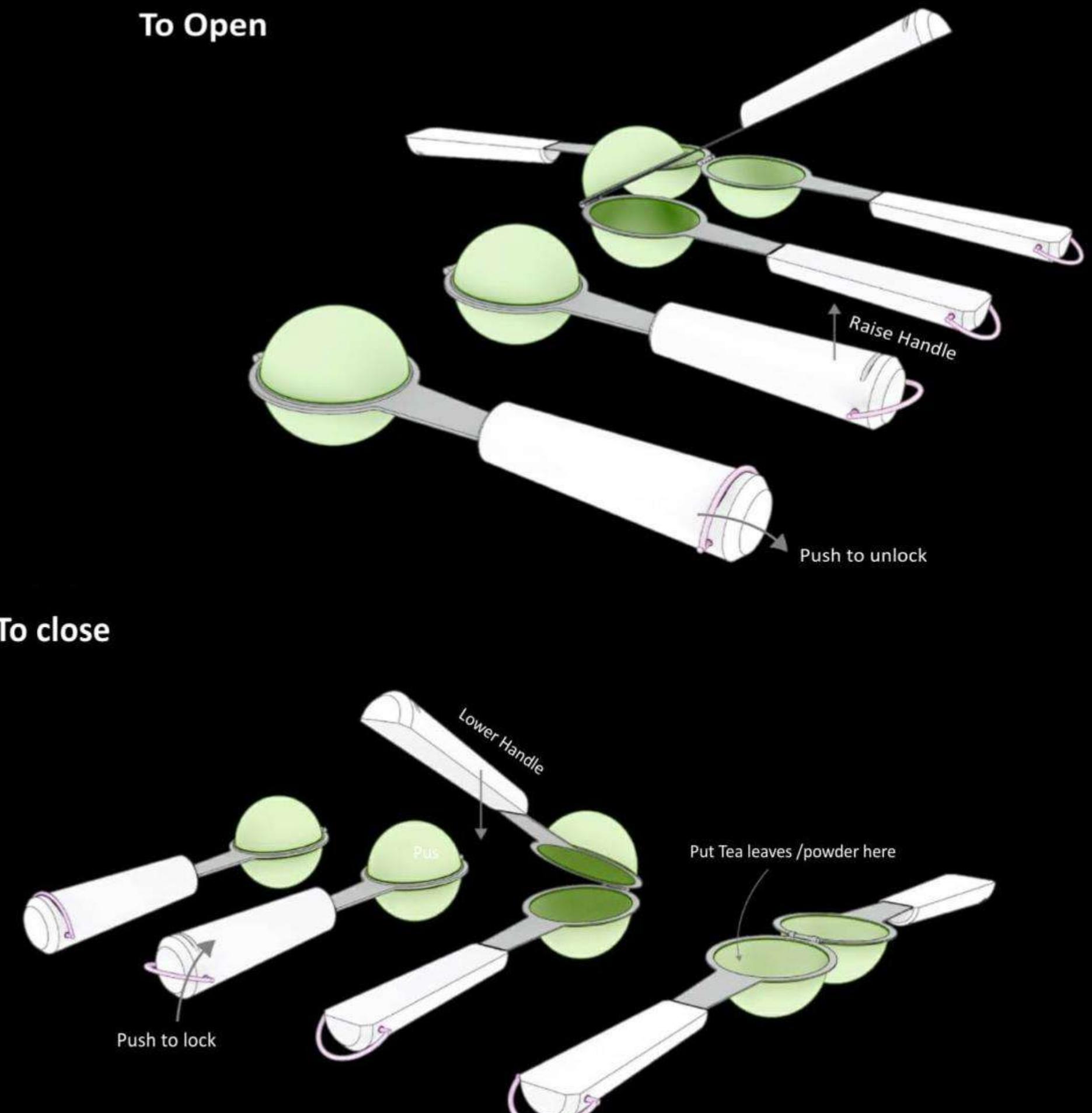
## **PROBLEM FACED BY THE USER**

- 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



P  
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STEP 1 .

Bought two basic tea stainners 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

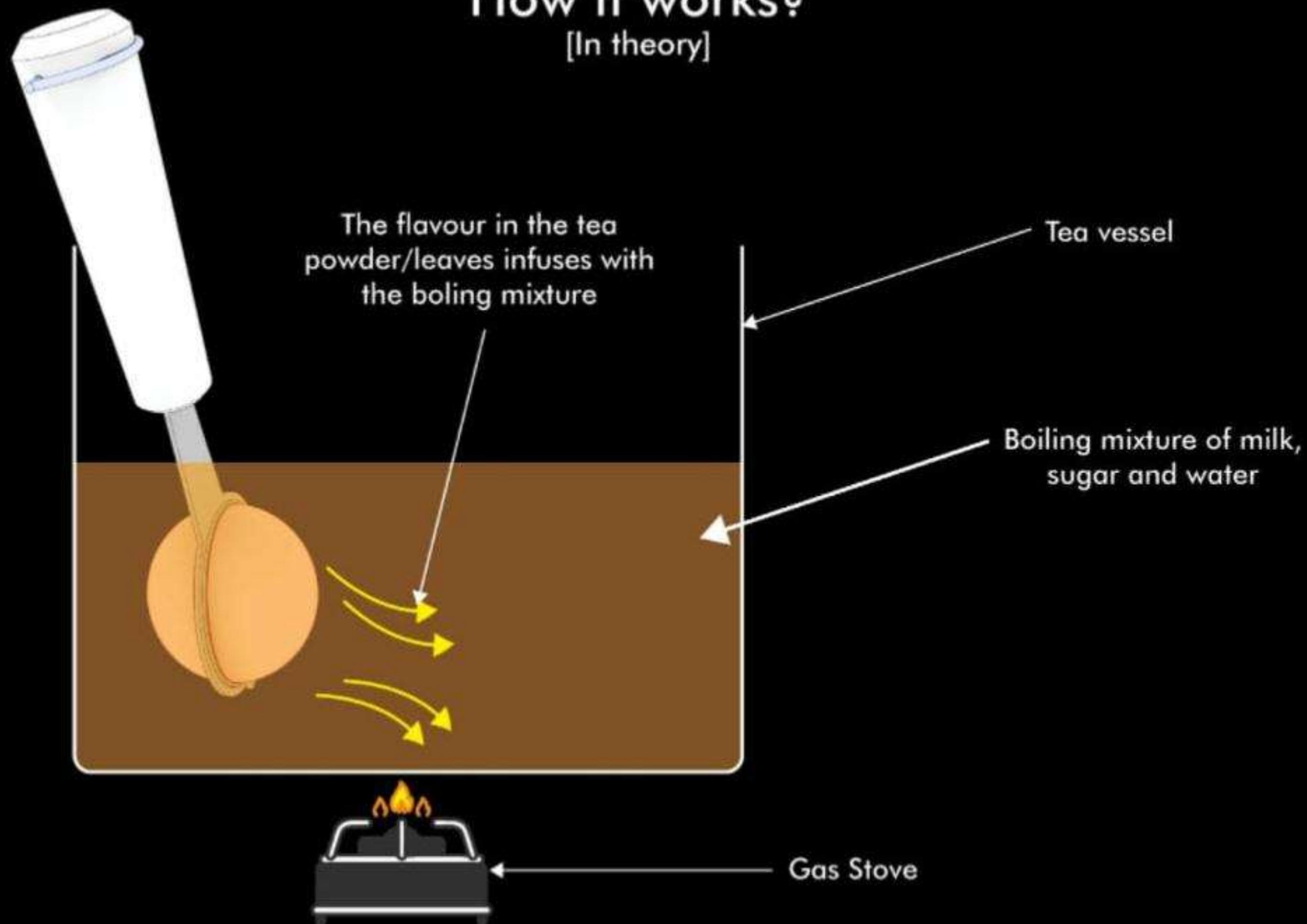




W  
O  
R  
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N  
G

# How it works?

[In theory]



Name of the Designer : Rishikesh Singh

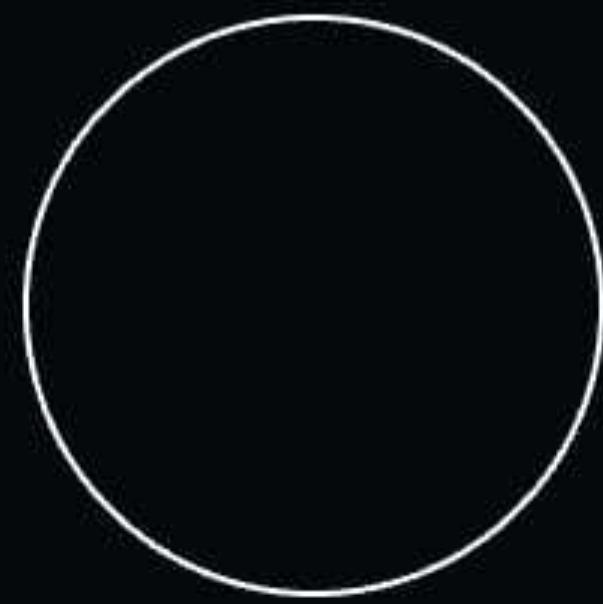
Style no : 0003

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'



Rishikesh Singh

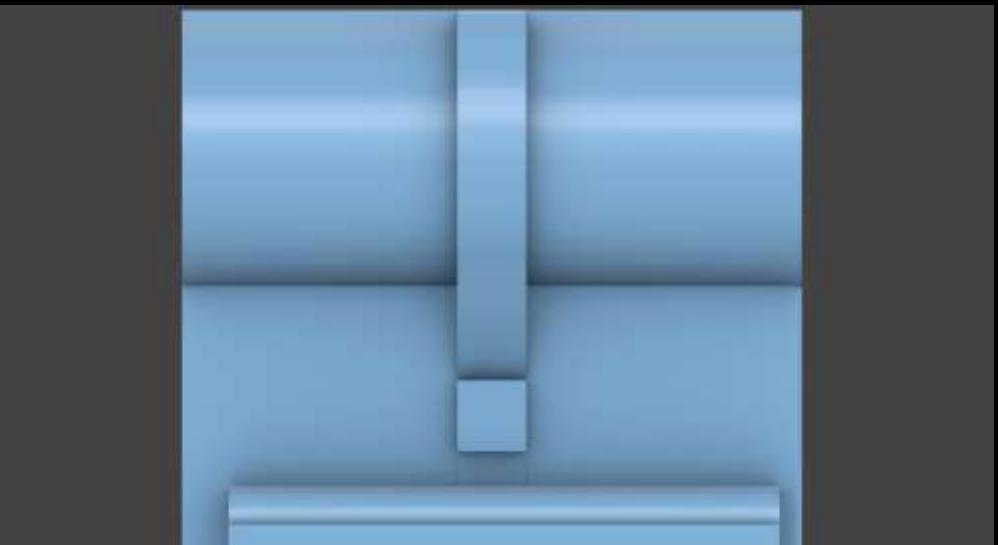
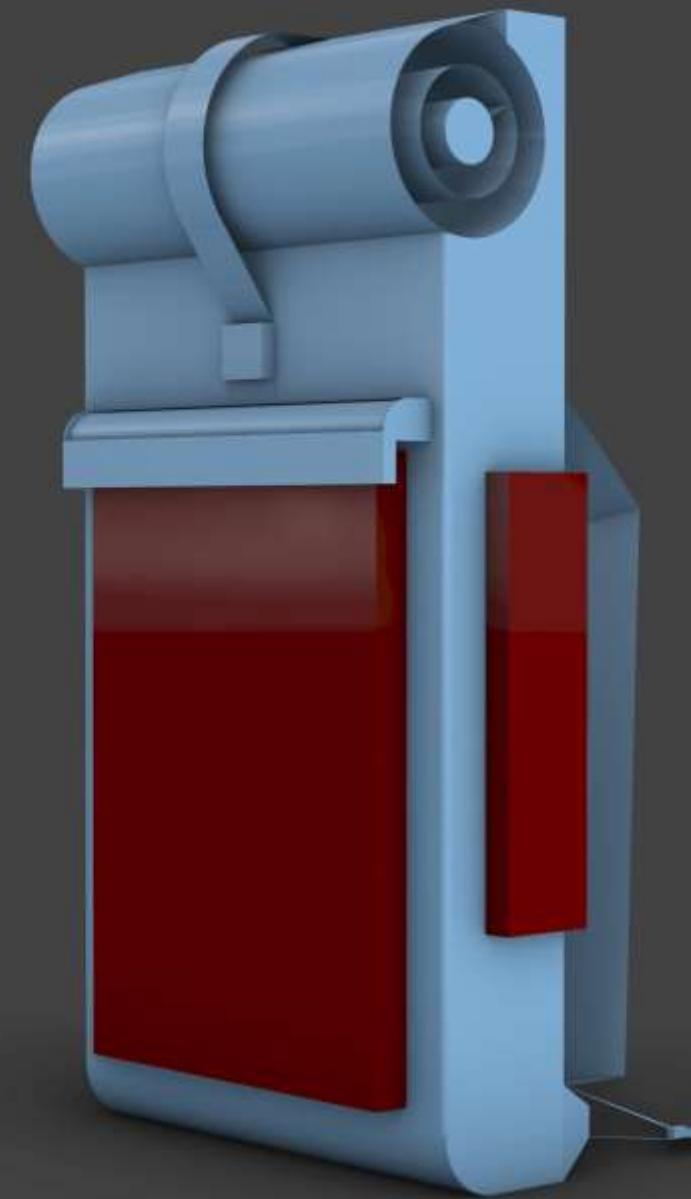
# Project 3

## DESIGN BRIEF

Design a travel backpack that we can scale to fit your needs.

### KEYWORDS

Travel  
Backpack  
Adjustable

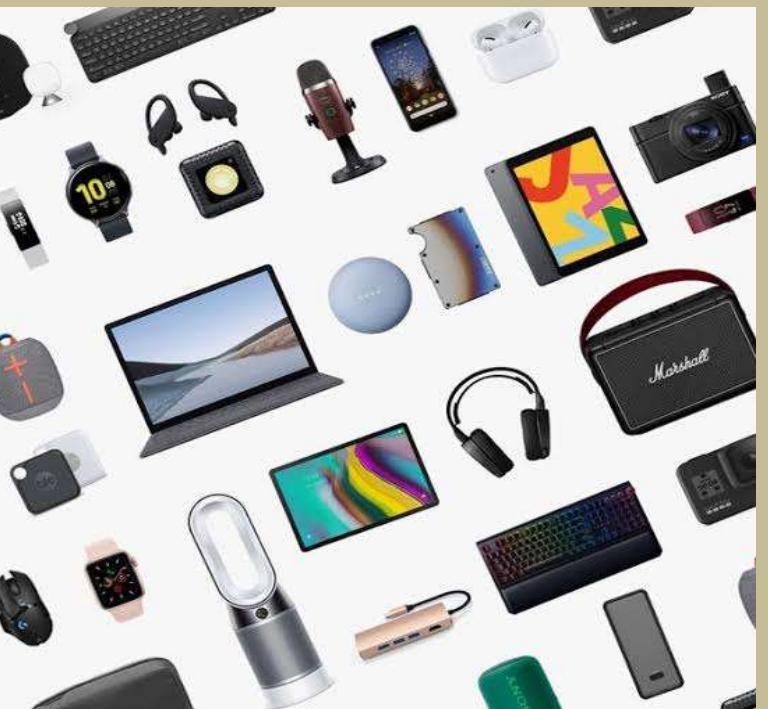




Gender – male /  
PROFESSION -  
Age Group 21-24

Expenditure  
10k -14,000  
INR

# CLIENT Board



## BRAND



FOREVER 21

Coca-Cola

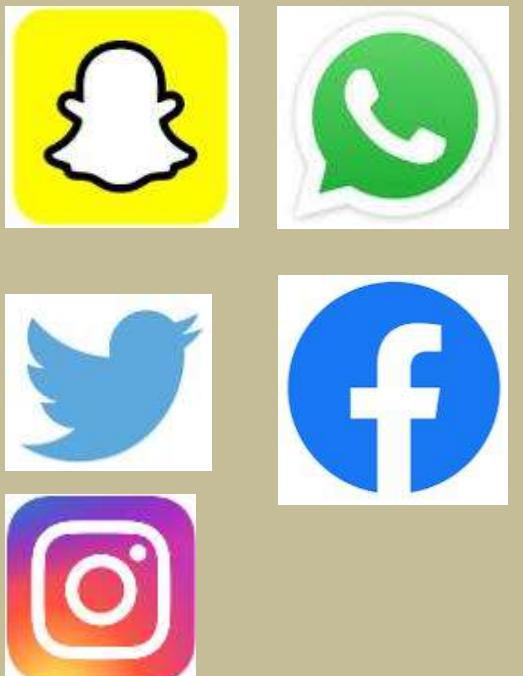
## HOBBIES

Playing Football  
Car driving

## Activities

Travelling  
Shopping

## Social media



# FORM EXPLORATION



# SPECIFICATION SHEET

NATIONAL INSTITUTE OF FASHION TECHNOLOGY, CHENNAI

## BAG SPEC SHEET

Date Sent	13/05/22	Product Name	Backpack	Thread	Nylon Tkt 40
Deadline	16/05/22	Product Number	UD 01	Main Fabric	Nylon
Company	Ujwal Designs	Description	Travel Bag	Size	(0.5x0.07x0.2) m
Season	A/W 23/24			Capacity	10L

## FABRIC SWATCH



## SKETCH



## BILL OF MATERIALS

#	ITEM	DESCRIPTION	COLOUR	QUANTITY
A	Main Fabric	Nylon	Grey	1.5 m
B	Secondary Fabric	Nylon	Brown	0.5 m
C	D Ring	Aluminum, 2"	Silver	1
D	Zipper	Nylon, Size 4	Grey	1 m
E	Zip Puller	Steel	Silver	3
F	Thread	Nylon Thread, Tkt 40	Grey	-
G	Thread	Nylon Thread, Tkt 40	Brown	-
H	Parachute Buckle	Plastic	Black	2
I	Strap	Nylon	Grey	1m

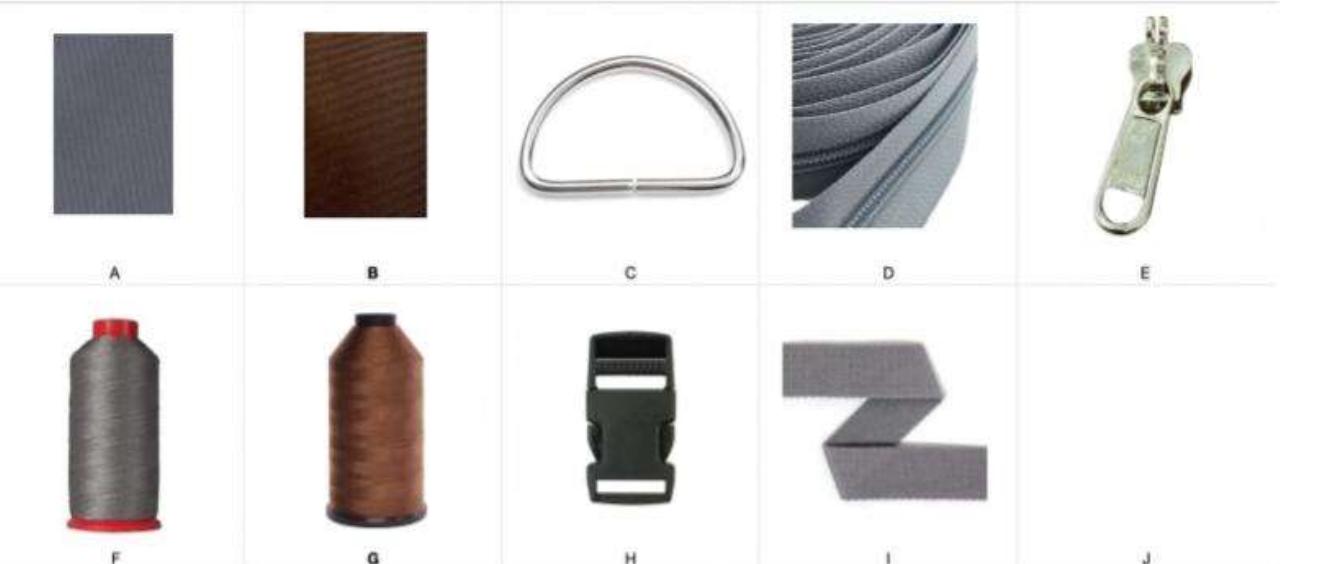
# SPECIFICATION SHEET

NATIONAL INSTITUTE OF FASHION TECHNOLOGY, CHENNAI

## BAG SPEC SHEET

Date Sent	13/05/22	Product Name	Backpack	Thread	Nylon Tkt 40
Deadline	16/05/22	Product Number	UD 01	Main Fabric	Nylon
Company	Ujwal Designs	Description	Travel Bag	Size	(0.5x0.07x0.2) m
Season	A/W 23/24			Capacity	10L

## BILL OF MATERIALS



# SPECIFICATION SHEET

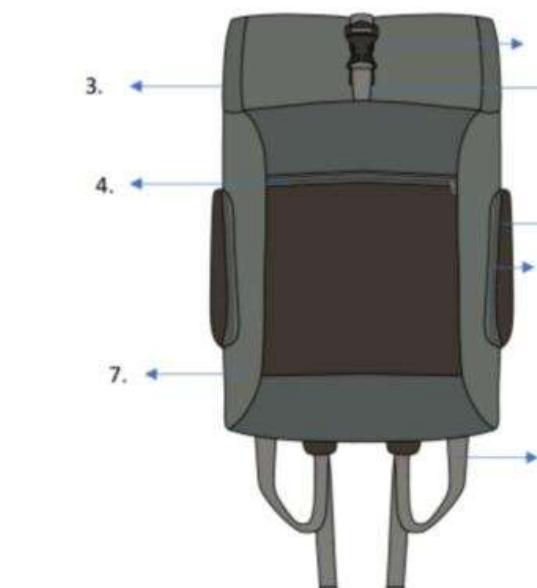
NATIONAL INSTITUTE OF FASHION TECHNOLOGY, CHENNAI

## BAG SPEC SHEET

Date Sent	13/05/22	Product Name	Backpack	Thread	Nylon Tkt 40
Deadline	16/05/22	Product Number	UD 01	Main Fabric	Nylon
Company	Ujwal Designs	Description	Travel Bag	Size	(0.5x0.07x0.2) m
Season	A/W 23/24			Capacity	10L

## CALLOUTS

### FRONT



1.	Plastic Parachute Buckle
2.	Grey Strap Nylon
3.	Side Gusset
4.	Zipper
5.	Side Pocket
6.	Zipper
7.	Curved Panel in Front/Gusset
8.	Adjustable Nylon Strap

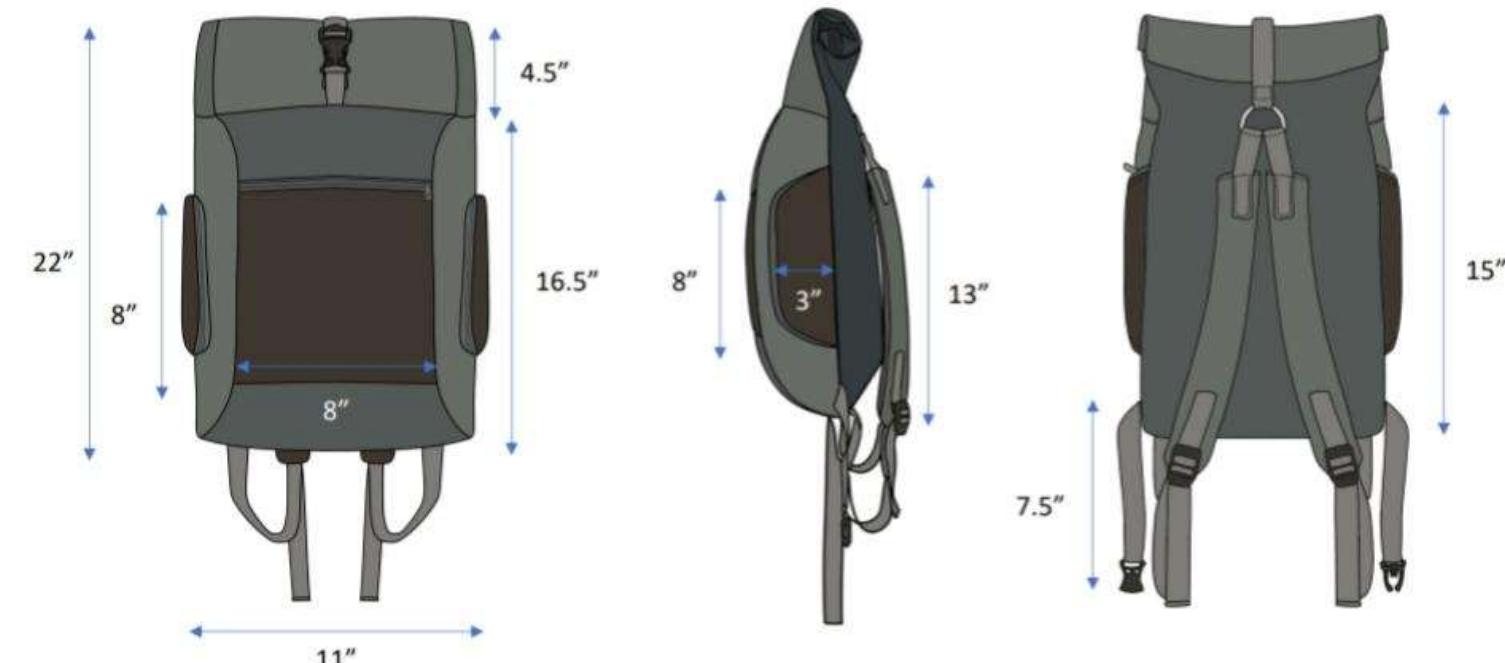
# SPECIFICATION SHEET

NATIONAL INSTITUTE OF FASHION TECHNOLOGY, CHENNAI

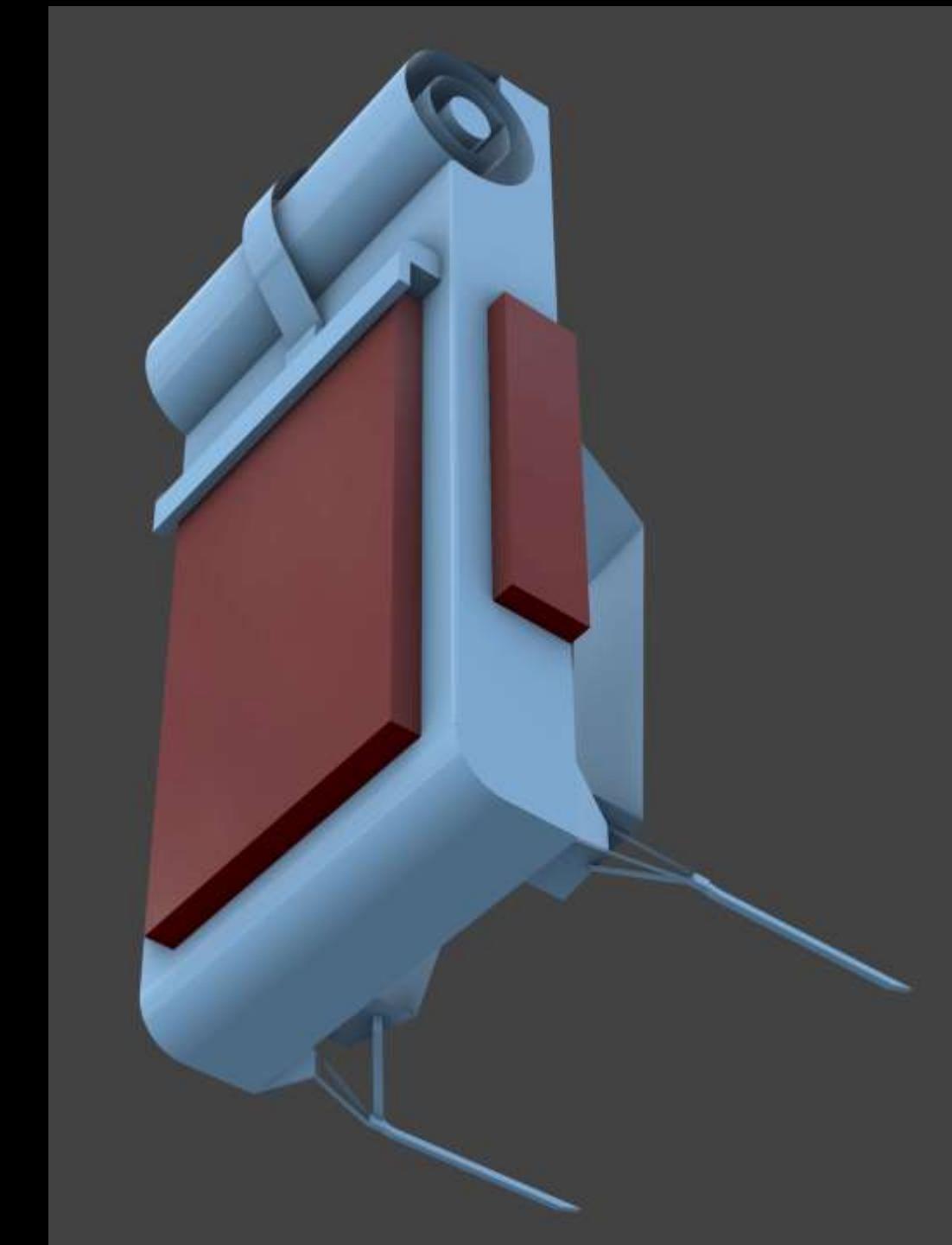
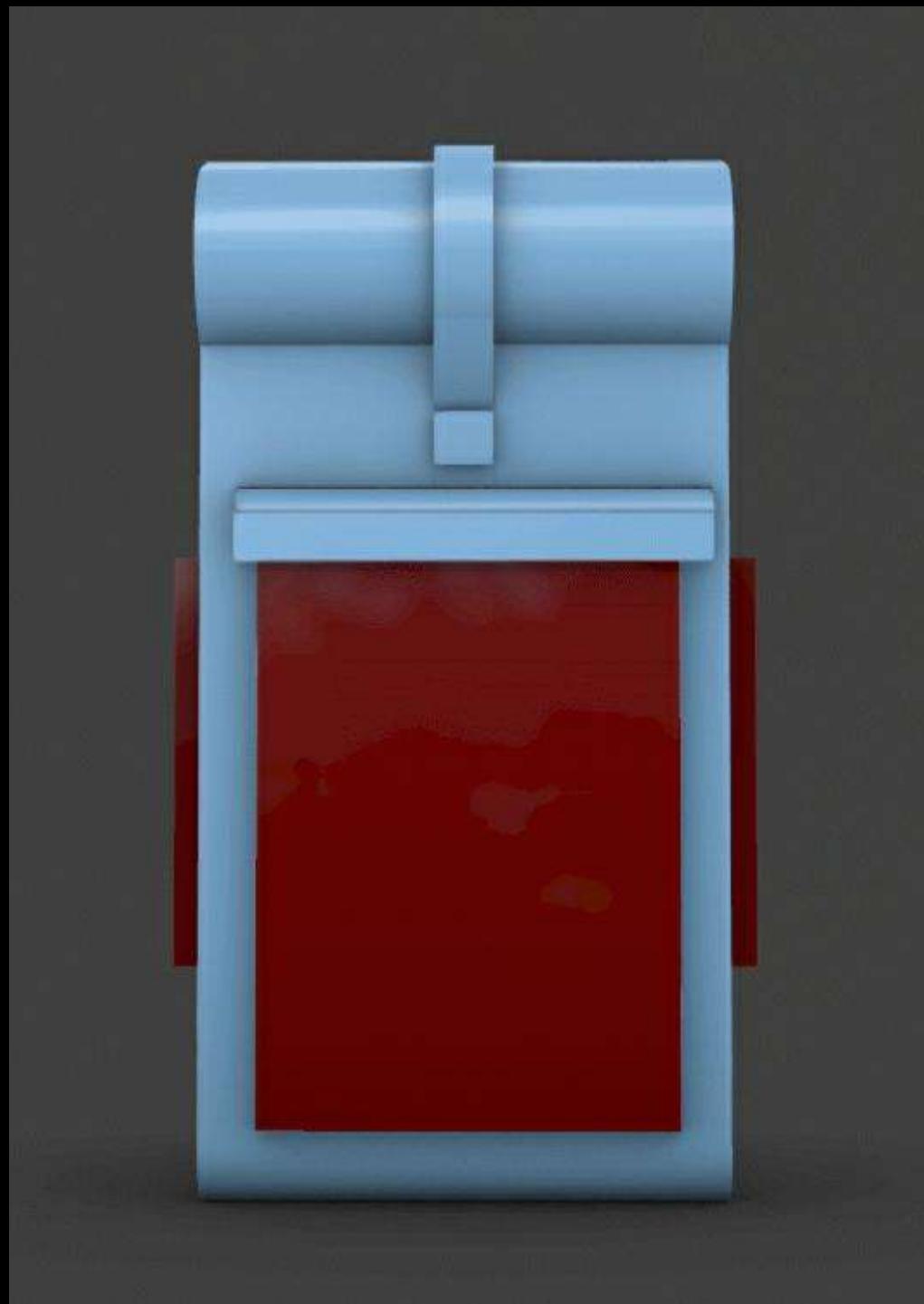
## BAG SPEC SHEET

Date Sent	13/05/22	Product Name	Backpack	Thread	Nylon Tkt 40
Deadline	16/05/22	Product Number	UD 01	Main Fabric	Nylon
Company	Ujwal Designs	Description	Travel Bag	Size	(0.5x0.07x0.2) m
Season	A/W 23/24			Capacity	10L

## DIMENSIONS



# FINAL DESIGN



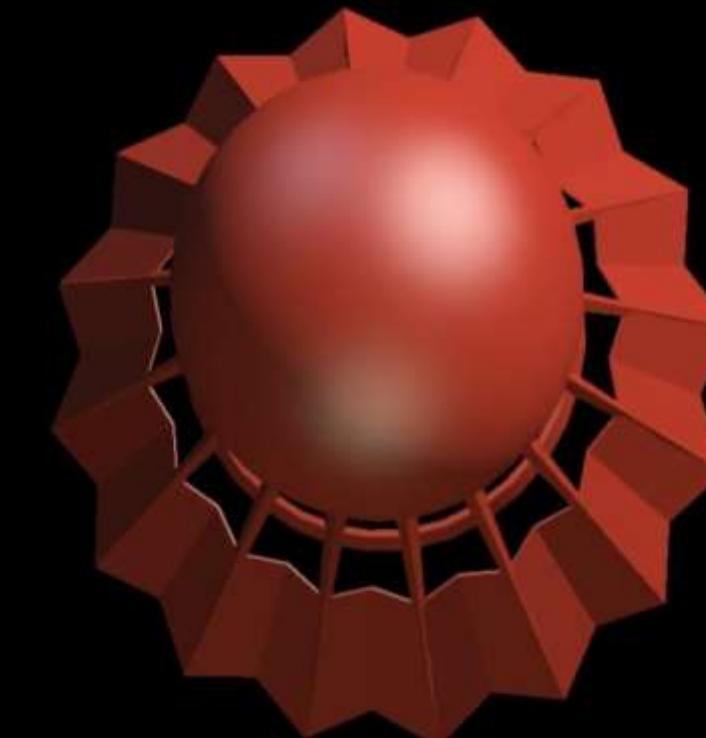
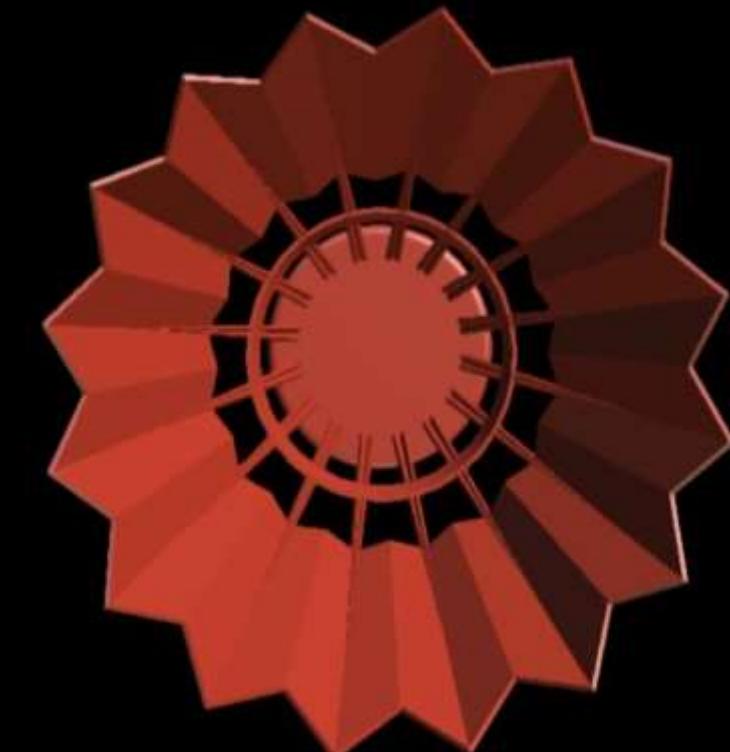
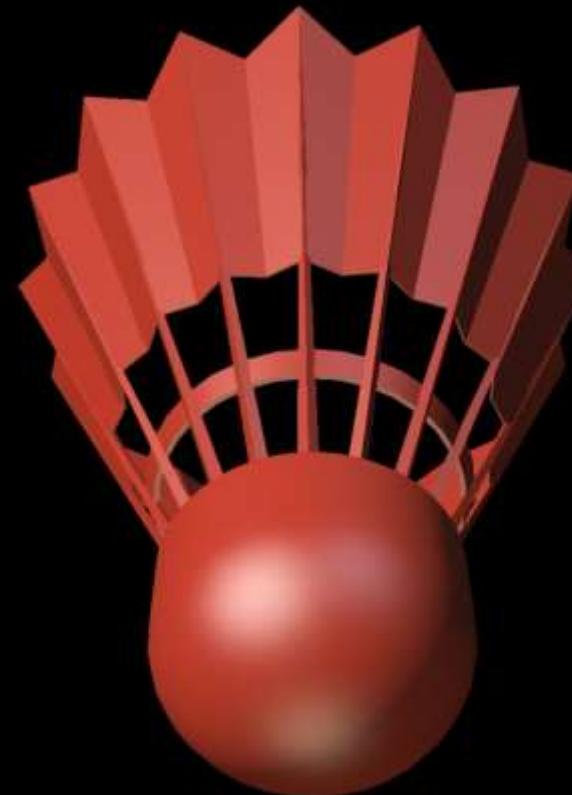
# FINAL PRODUCT



# Project 4

## 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 only ....and 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

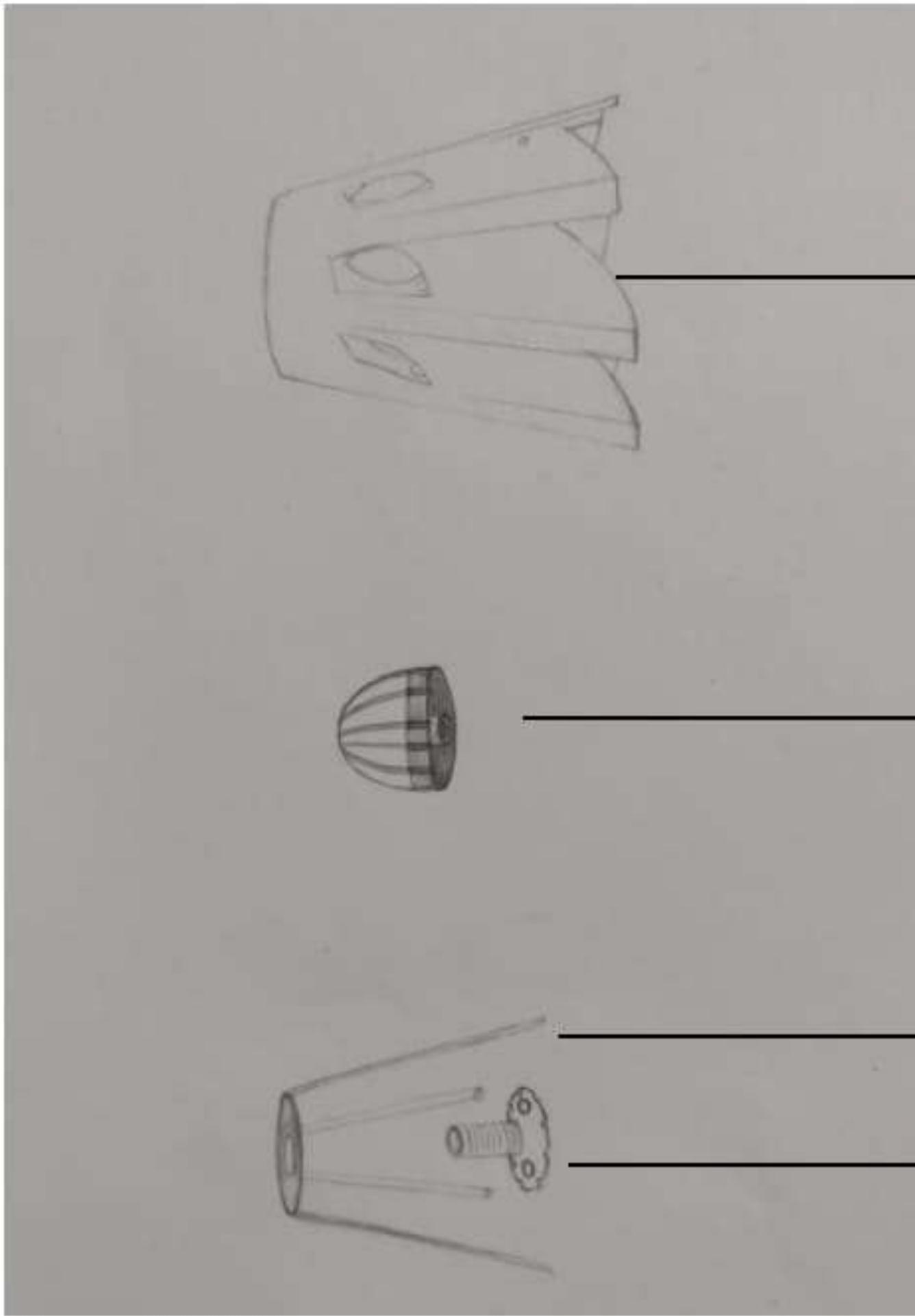
## CASE 1

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

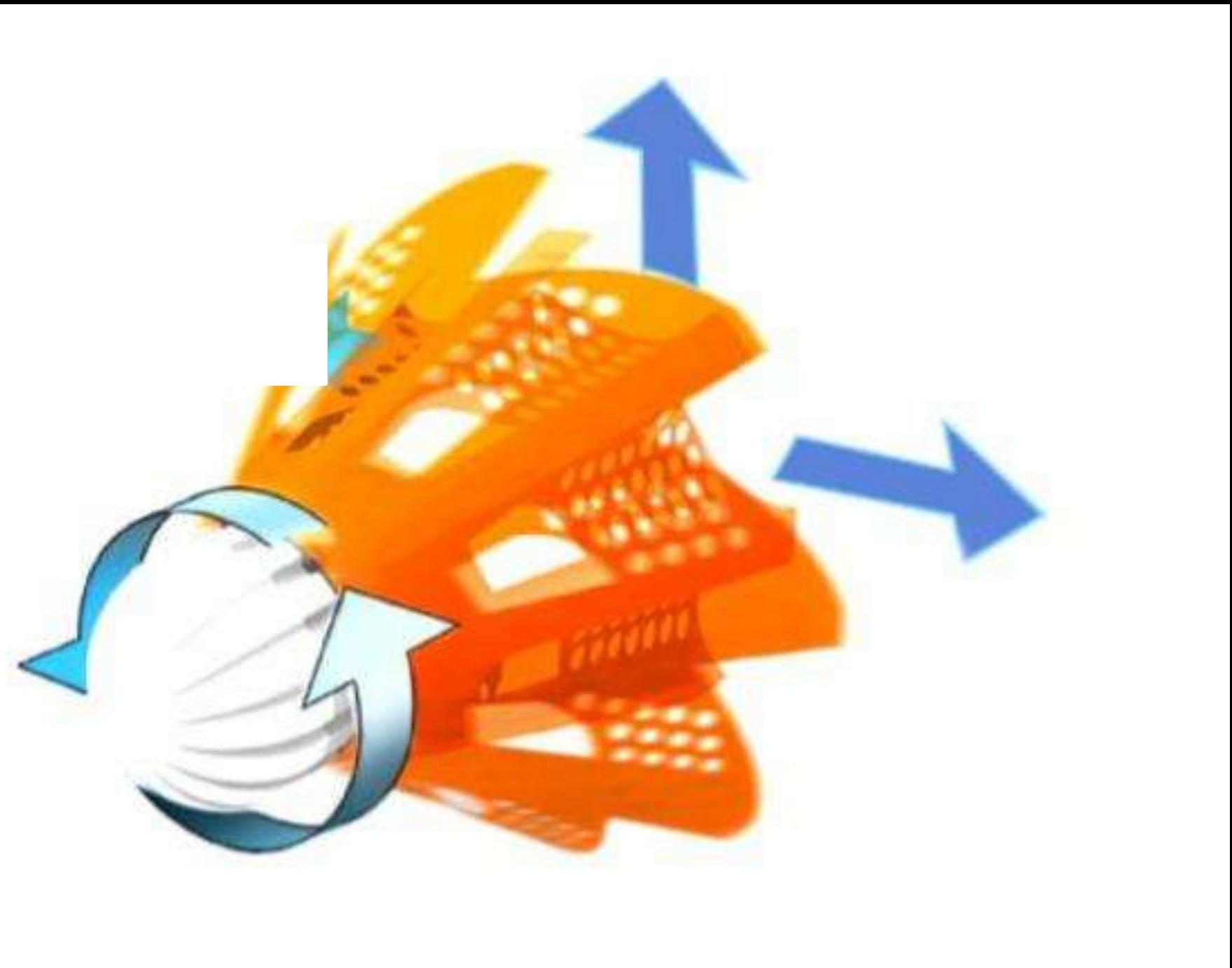


Nylon

Synthetic Cork head

Flexible Frame

Adjustable screw

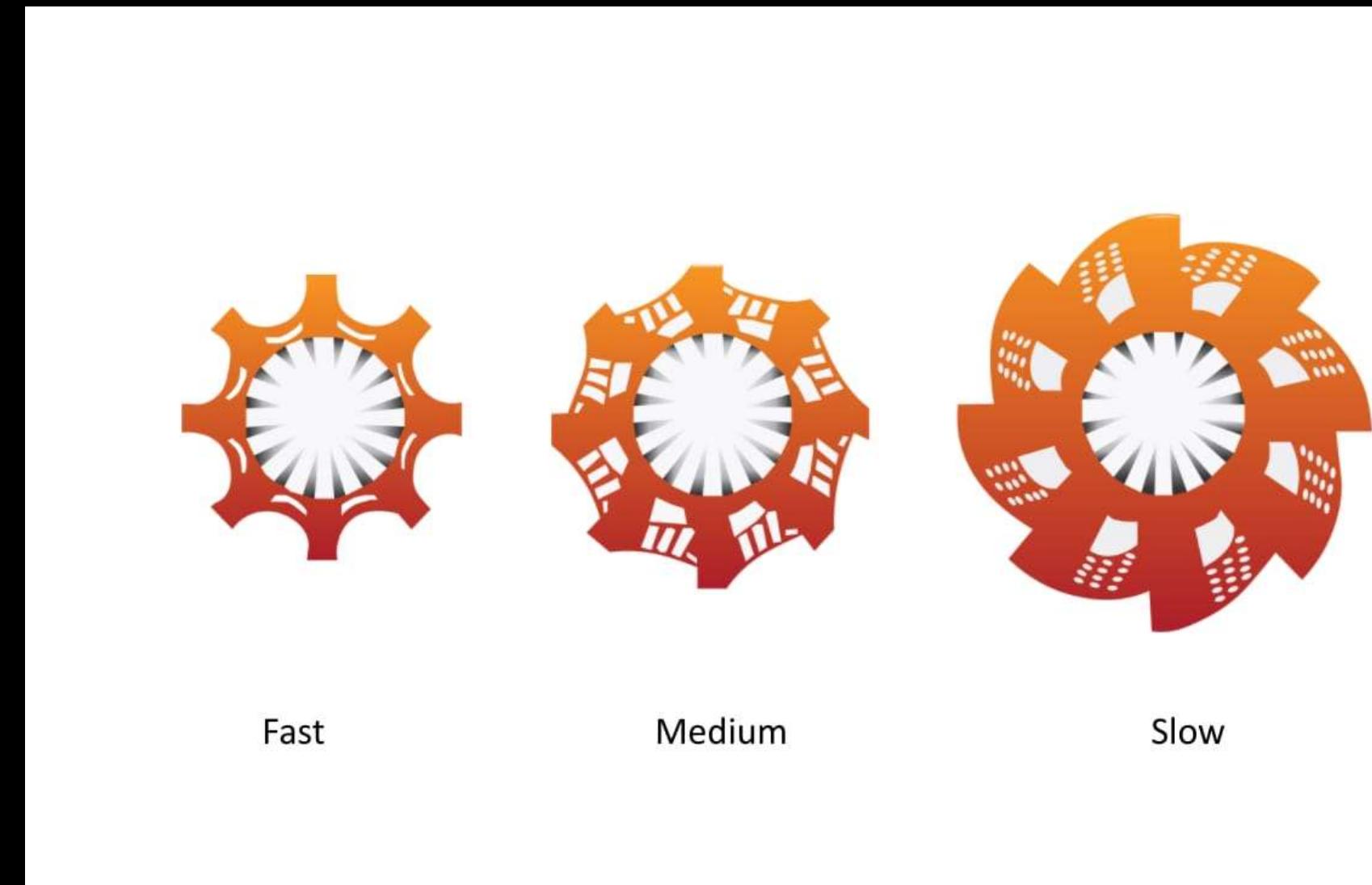
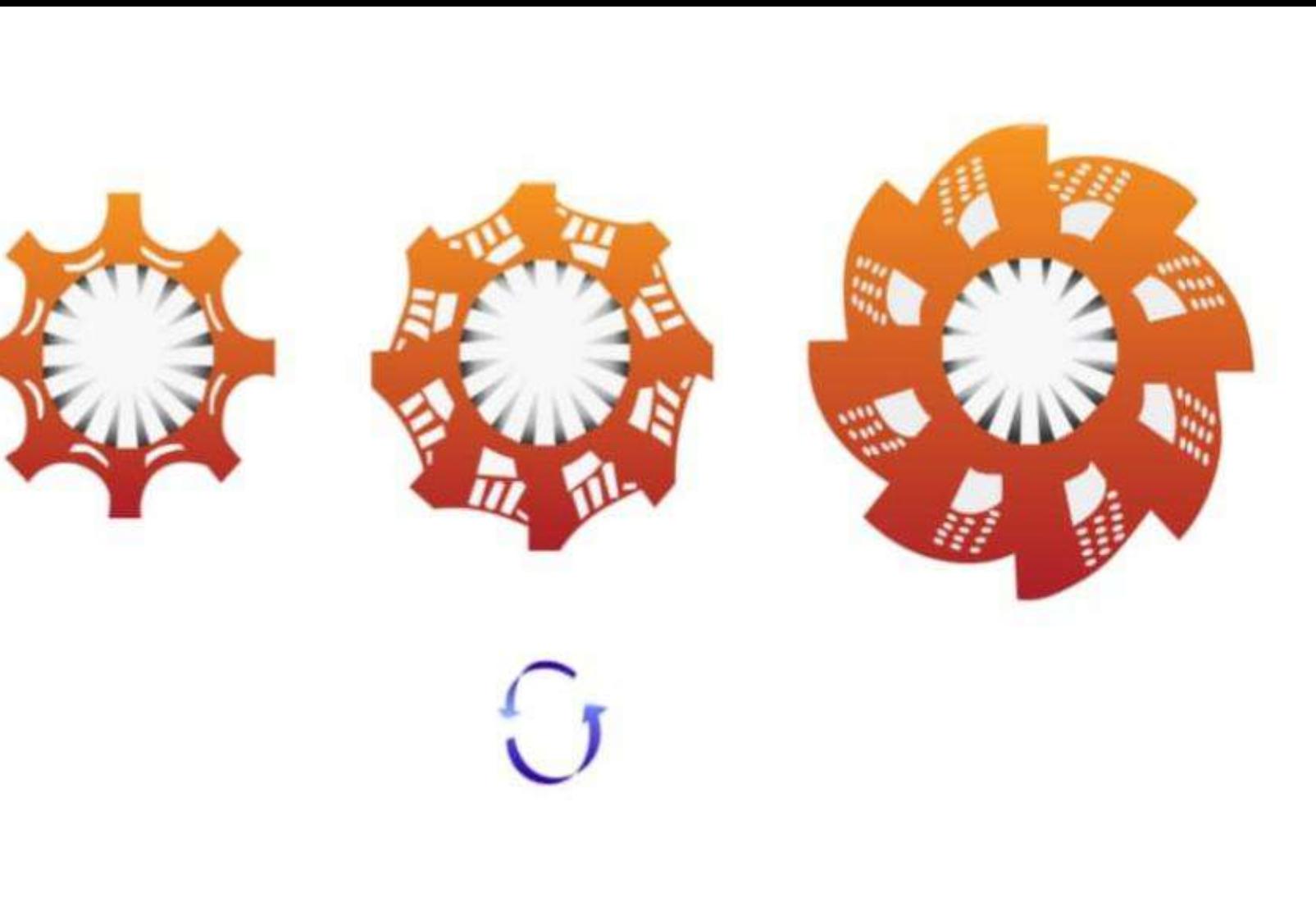


*Twist nose to adjust tail feathers*

*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.

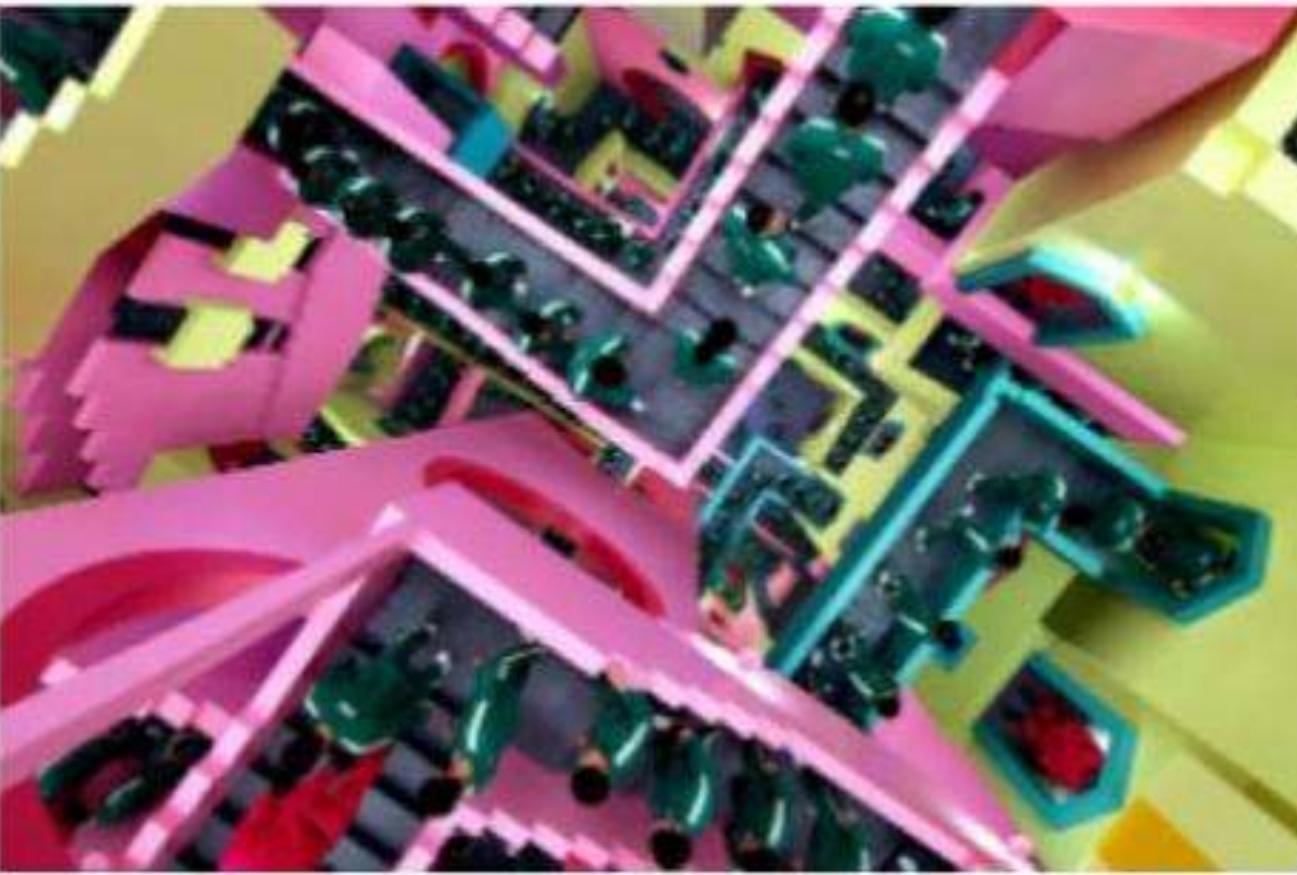
# Project 5

## DESIGN BRIEF

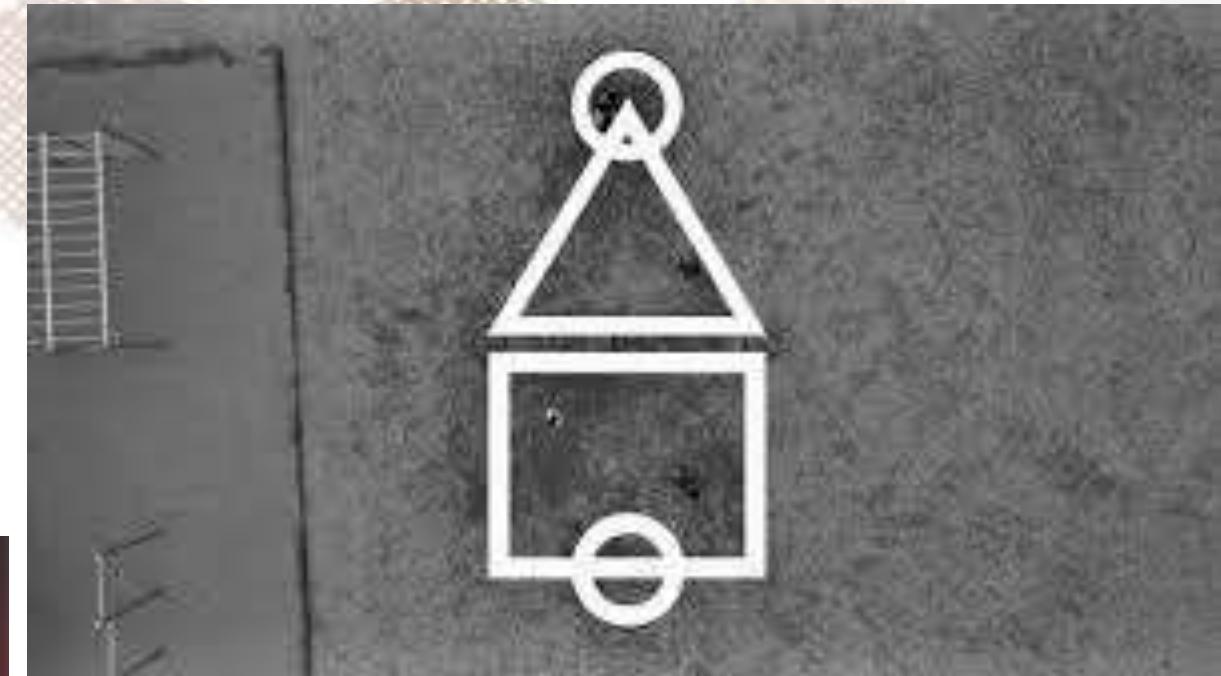
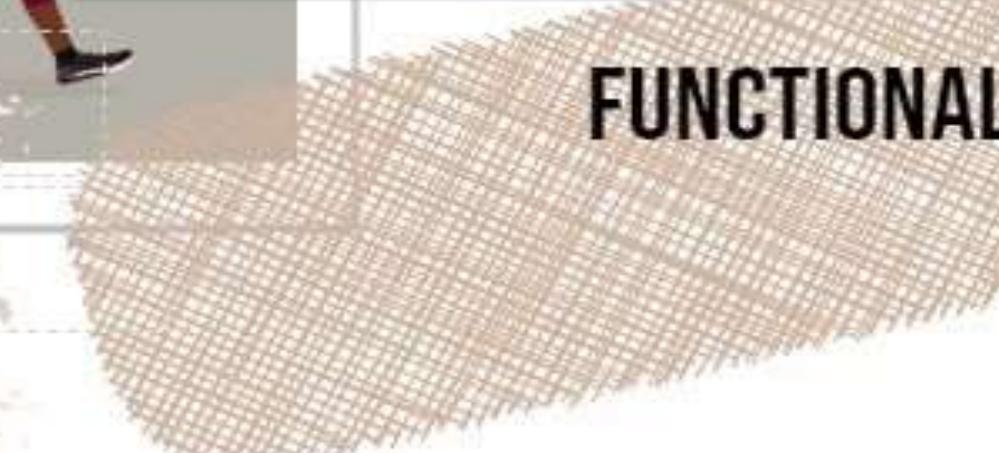
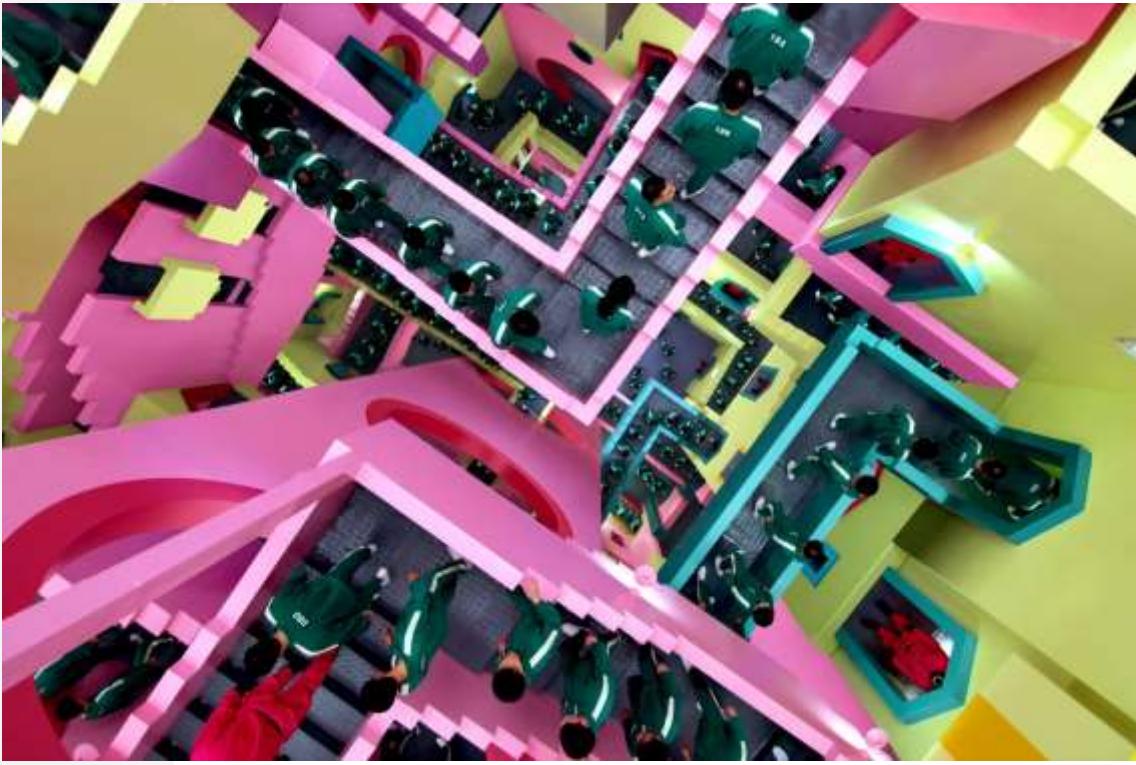
To design and make a multi-purpose Table lamp.



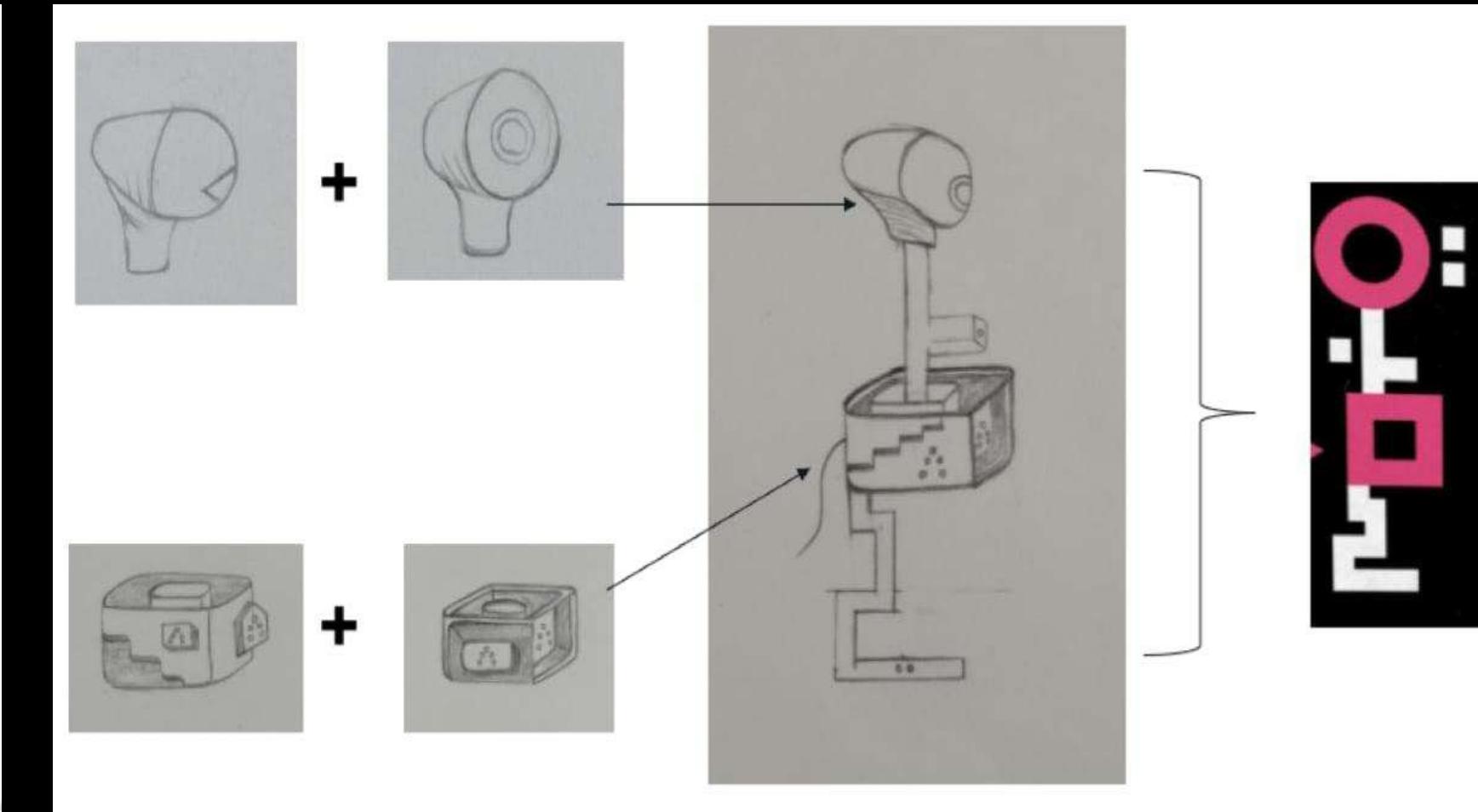
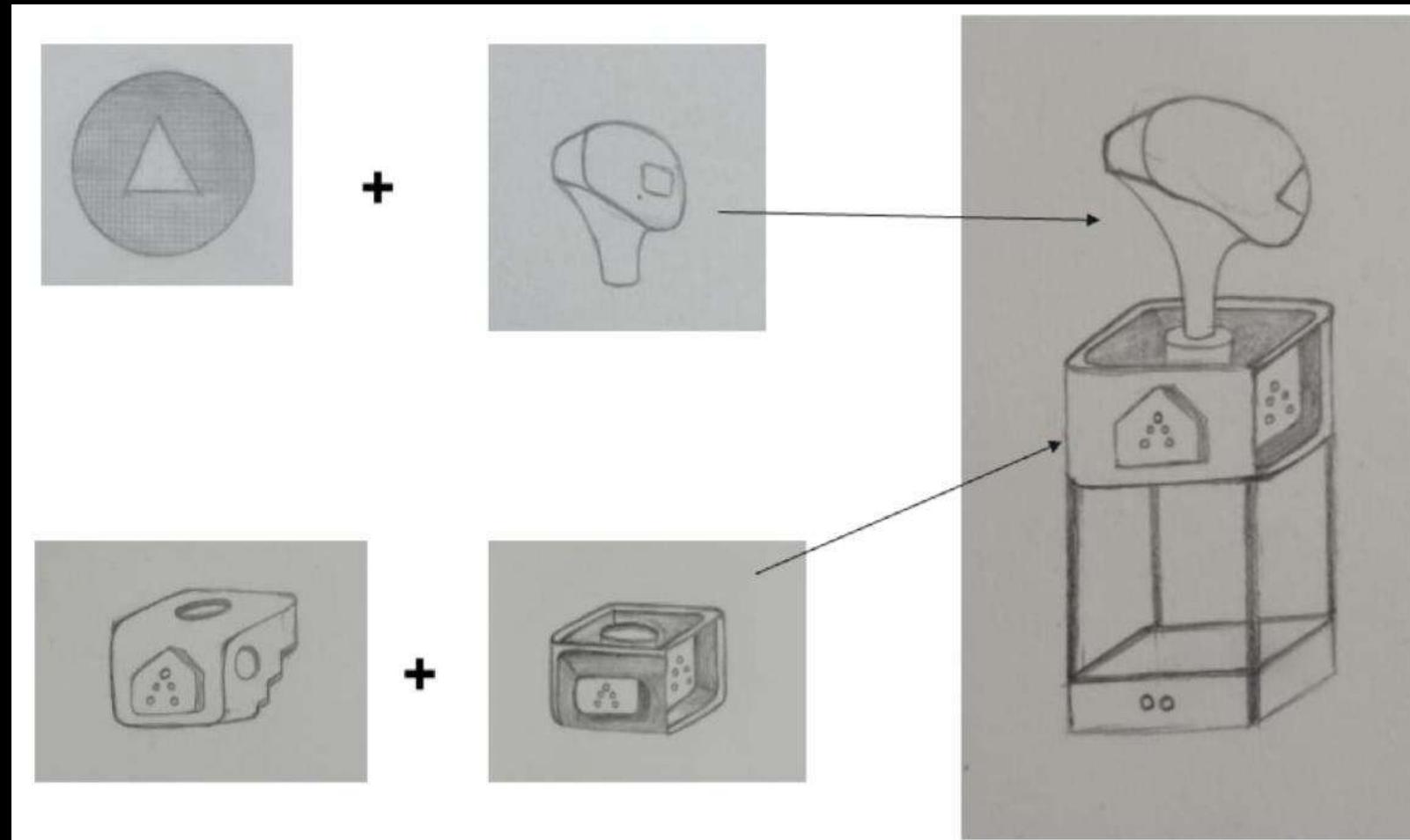
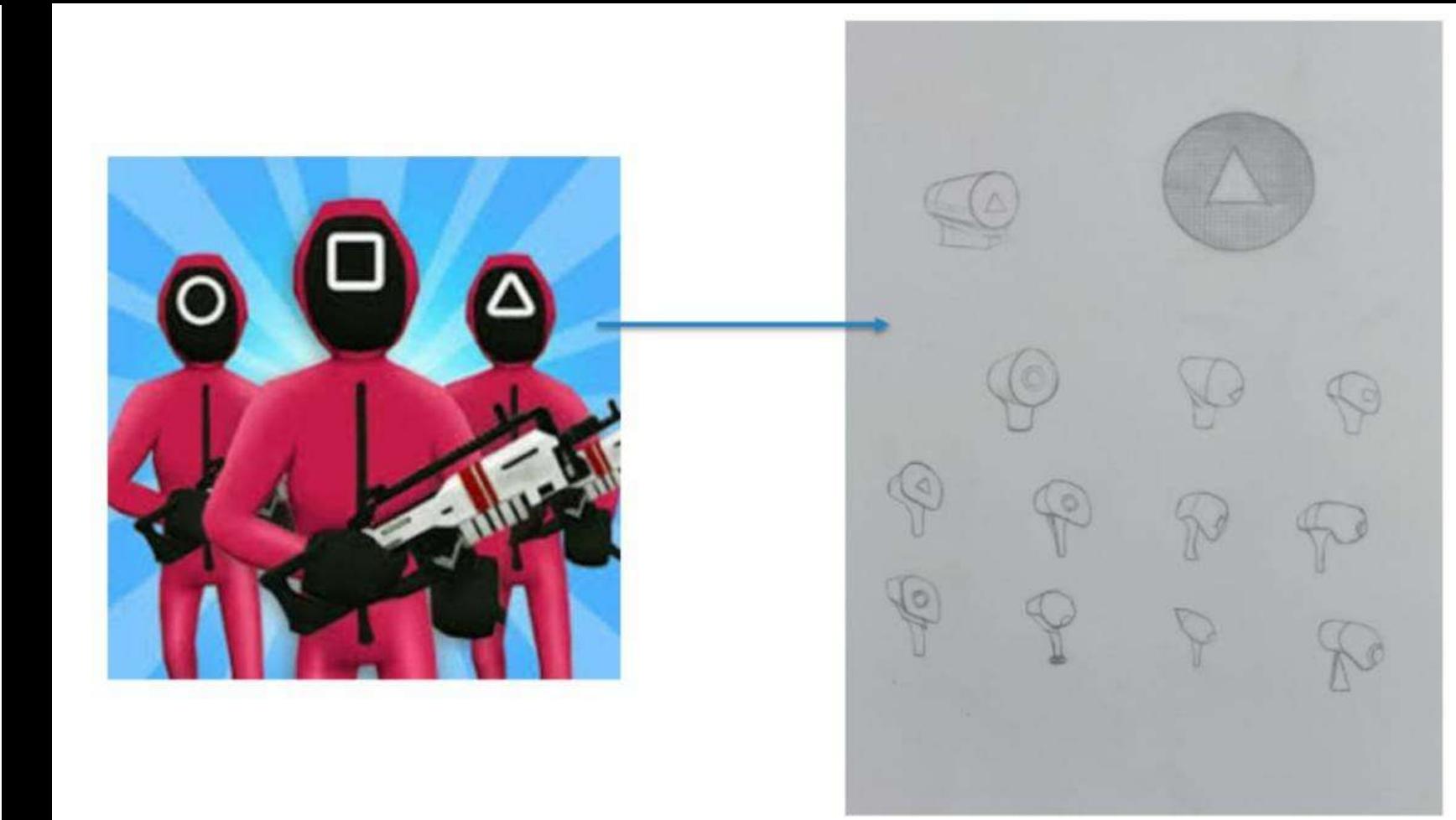
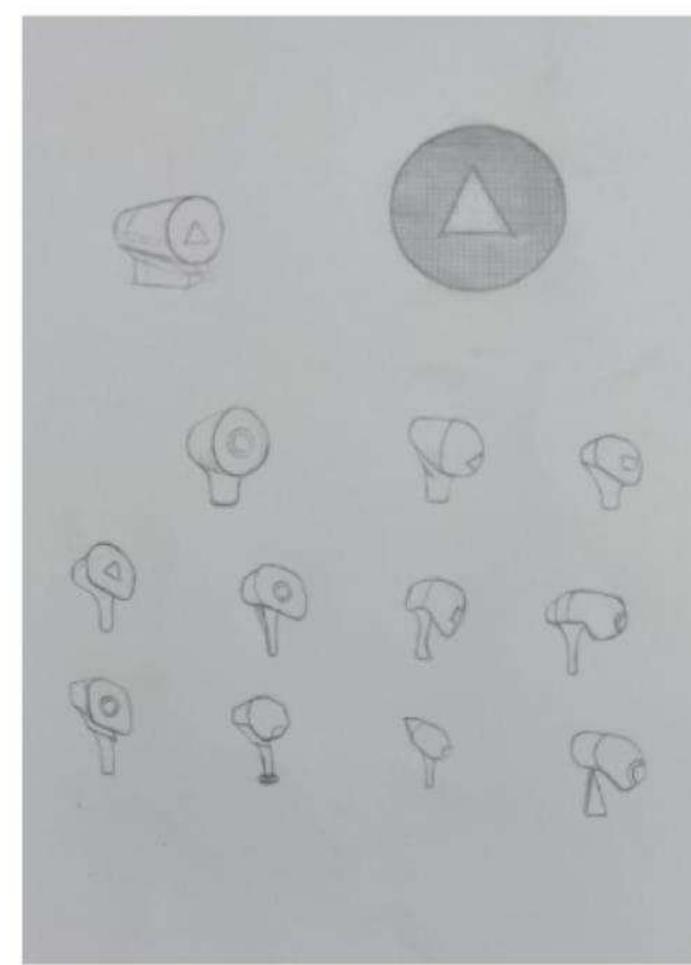
# INSPIRATION BOARD



# MOOD BOARD



# IDEATION



Name of the Designer : Rishikesh Singh

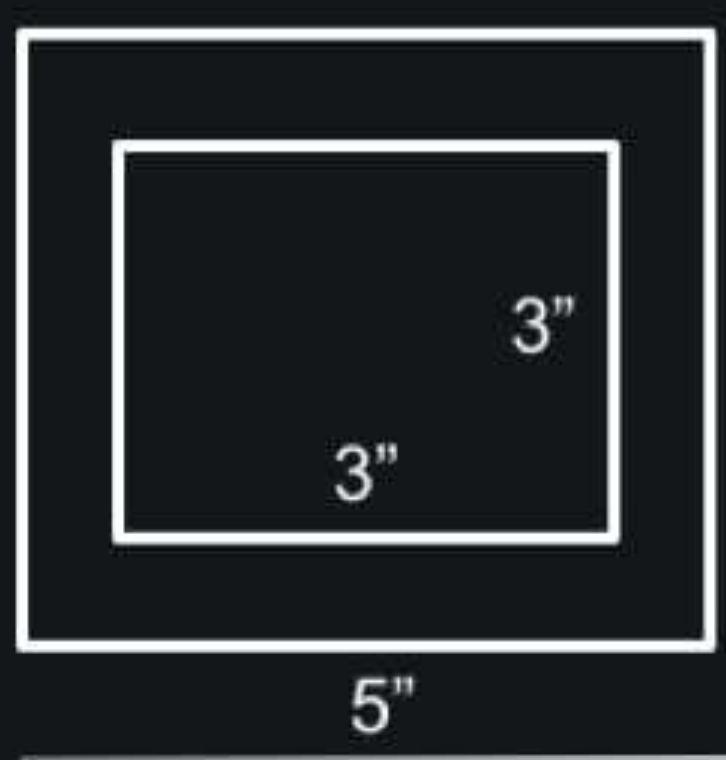
Style no : 0001

Product : Table Lamp

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

Material : fiber body / inverter LED bulb

Top side view



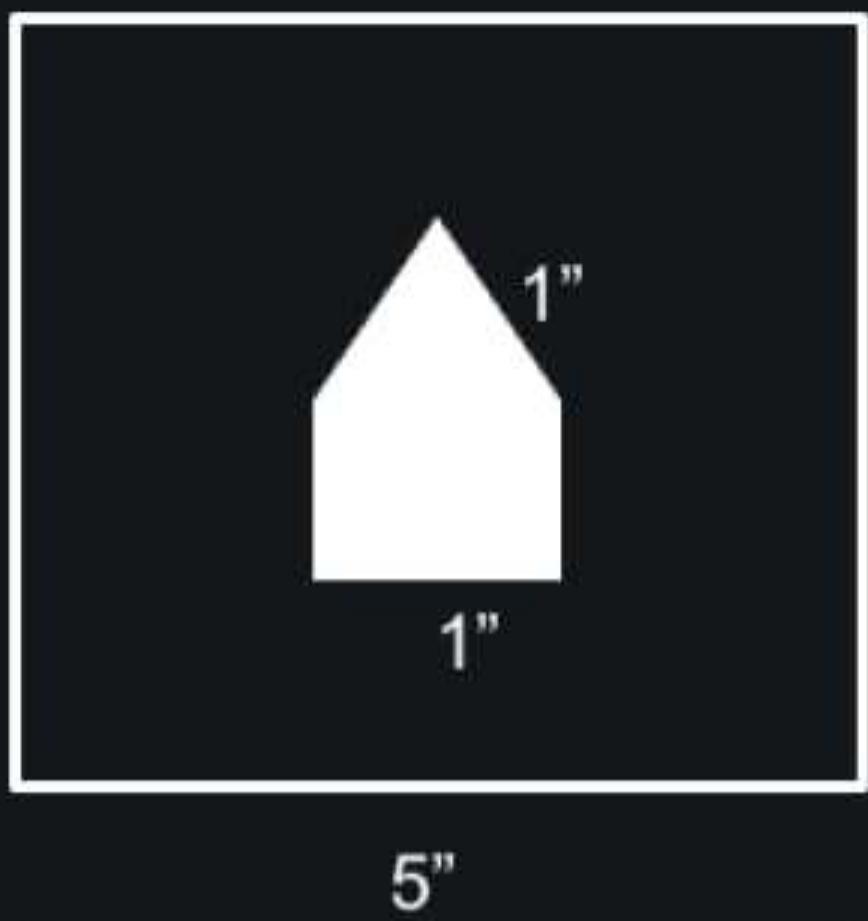
Bottom cuboid



Bulb stand



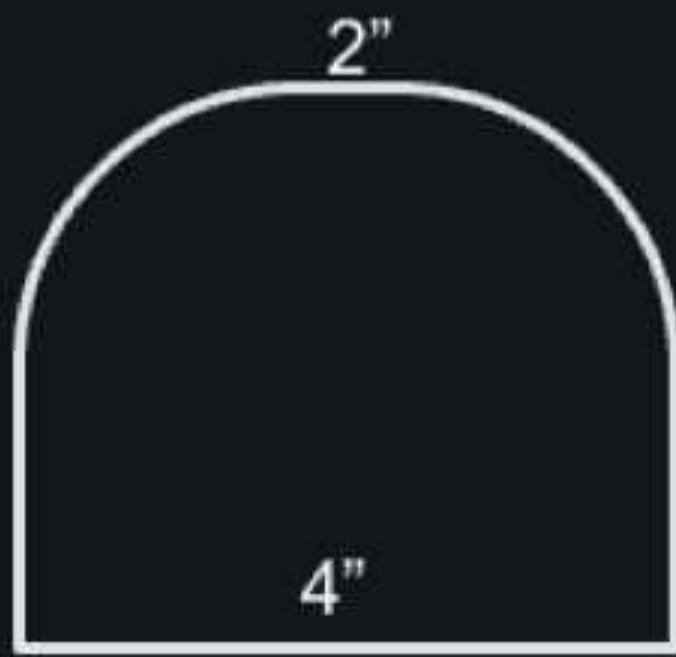
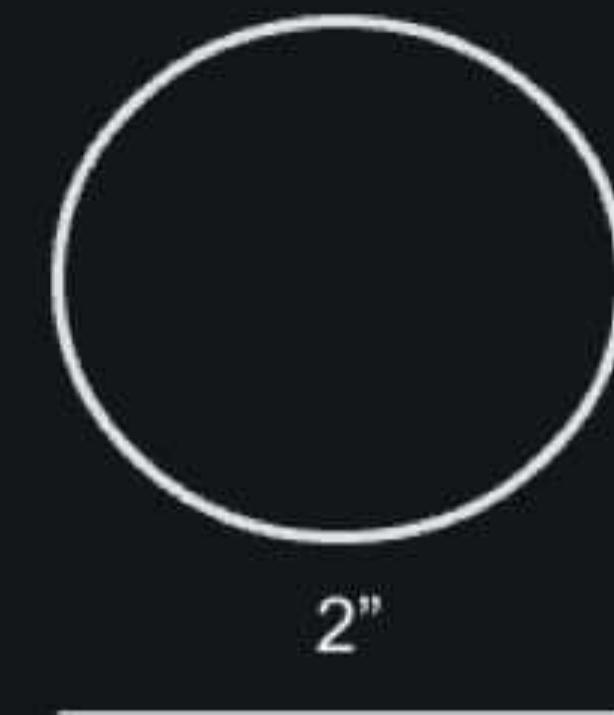
Top front view



Lamp Front view



Lamp back view

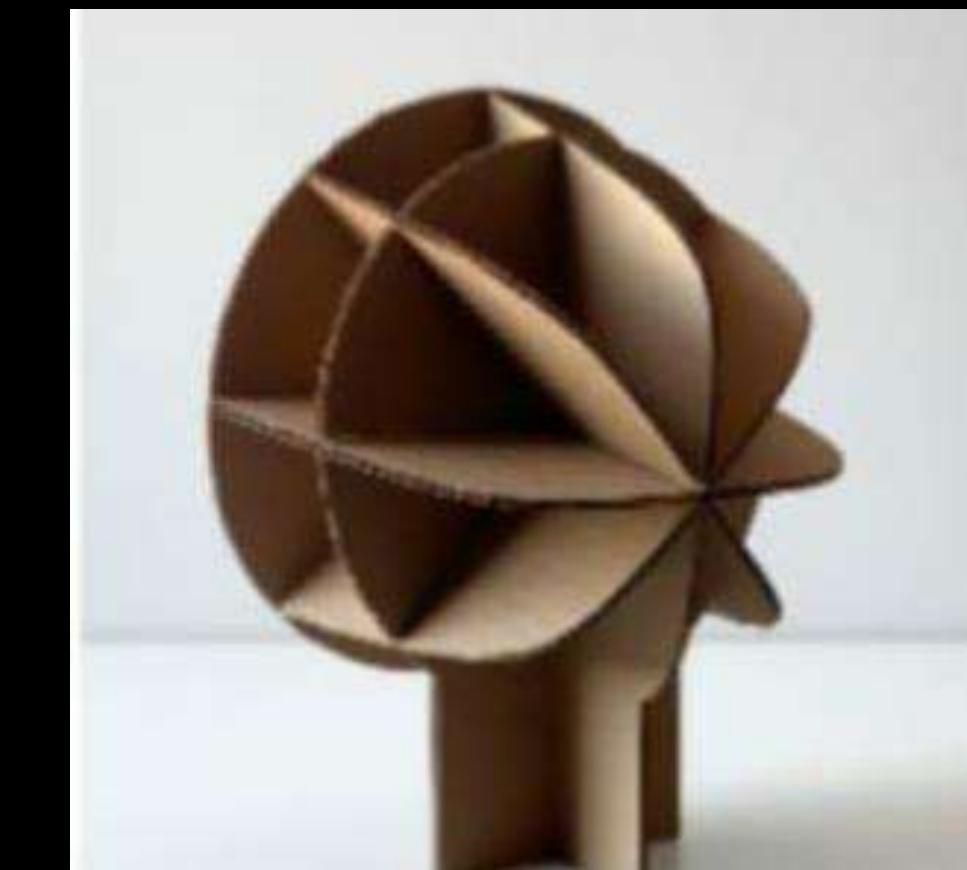
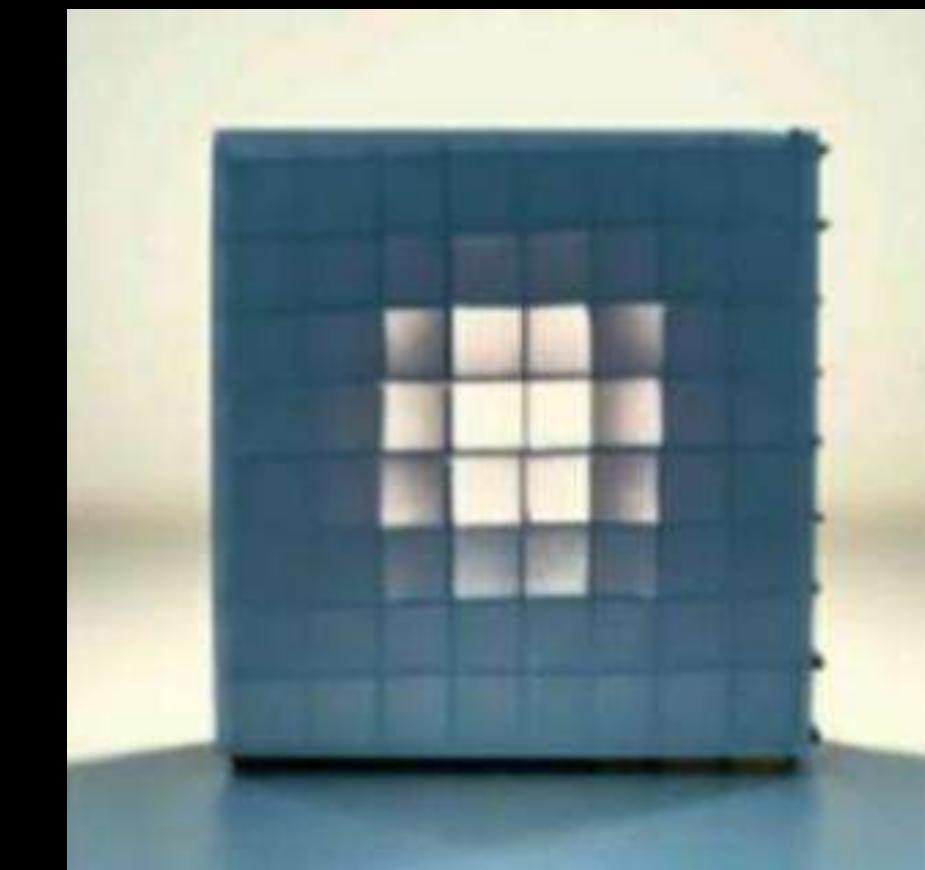
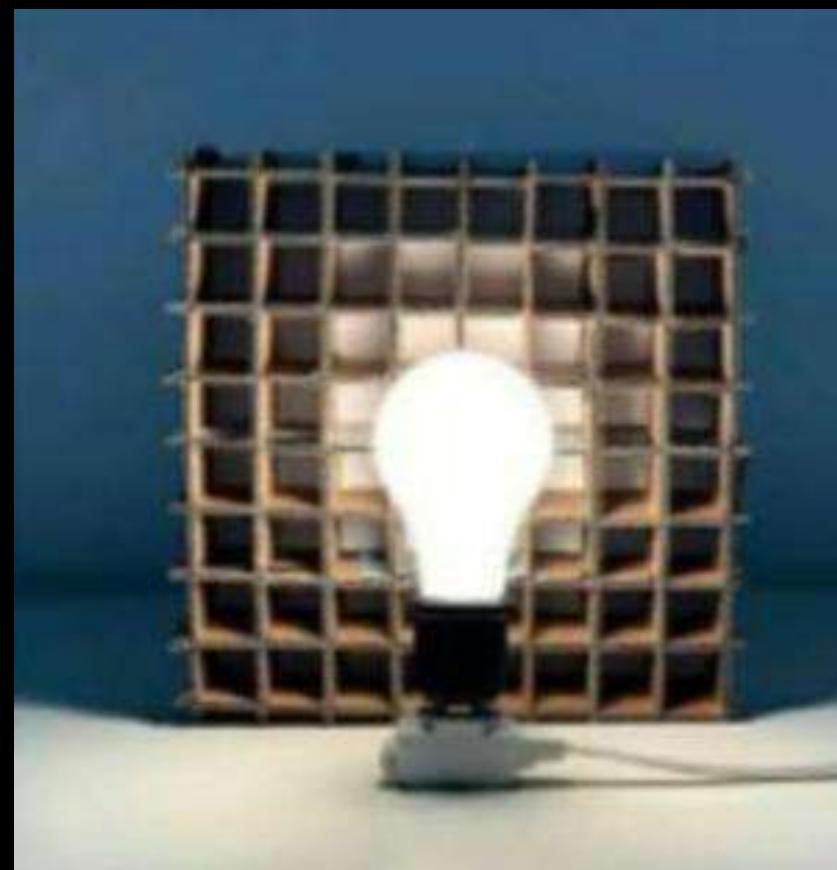


4"



Stand

# PROCESS



P  
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R  
Y  
P  
E



# FINAL PRODUCT

