

LIFE AFTER COVID19

**Design for Safety,
Health and Well Being**

Spring 2020

EUT128E DESIGN THEORIES AND METHODS

ISTANBUL TECHNICAL UNIVERSITY | DEPARTMENT OF INDUSTRIAL PRODUCT DESIGN

ISTANBUL TECHNICAL UNIVERSITY, DEPARTMENT OF INDUSTRIAL PRODUCT DESIGN – EUT128E DESIGN THEORIES AND METHODS

Project Brief...

For the purposes of this course, we tried to imply a methodology to devise objects, tools, products, systems, services or interfaces to cope with life after facing Covid19 and design to improve aspects concerning safety, health and wellbeing.

The basic methodology followed is from the Delft Design Guide*. We divided the design process accordingly and first year students provided ideas and solutions for each phase.

Hope you enjoy these 75 immediate and humble responses that aim to learn and explore different methods for life after Covid19.

Prof.Dr. Şebnem TİMUR

*Annemiek van Boeijen, Jaap Daalhuizen, Roos van der Schoor and Jelle Zijlstra. 2013. Delft Design Guide: Design Strategies and Methods, Delft University of Technology, Faculty of Industrial Design Engineering. Amsterdam: BIS Publishers.

LIFE AFTER COVID19

Design for Safety, Health and Well Being

1. **DISCOVER - CREATE A DESIGN GOAL:** Make a review of methods and then you need to select “at least 2 methods” and prepare layouts accordingly to create a broad range of ideas that can be tackled related to life after Covid19 and design for health, safety and well being . Write down your alternative problem areas
2. **DEFINE - THE USER, CONTEXT and CHALLENGE:** By using your defined problem area, try to clarify your challenge into a single well defined problem using a specific method discussed in class.
3. **DEVELOP - CREATING PRODUCT IDEAS AND CONCEPTS:** Make a review of methods related to idea development and then you need to select “at least 3 methods” and prepare layouts accordingly to generate different design ideas. You are expected to develop 3 ideas for the defined problem.
4. **EVALUATE AND DECIDE - DECISION, SELECTION, EVALUATION:** Make an analysis of your alternatives and decide which alternative you will select to develop your final design using one method accordingly. Explain why you selected a specific idea depending on your analysis.
5. **ARTICULATE AND SIMULATE - IDEA COMMUNICATION:** Name your design, explain what it is for briefly and make a representation of it by making a drawing, mock-up, etc... Show how your design fulfills its function in a “storyboard”.

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İrem Selvi

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While dealing with the problem of how to make an adjustable respiratory mask, the Scamper method helped me to develop a solution to the mask-size adjustment problem.

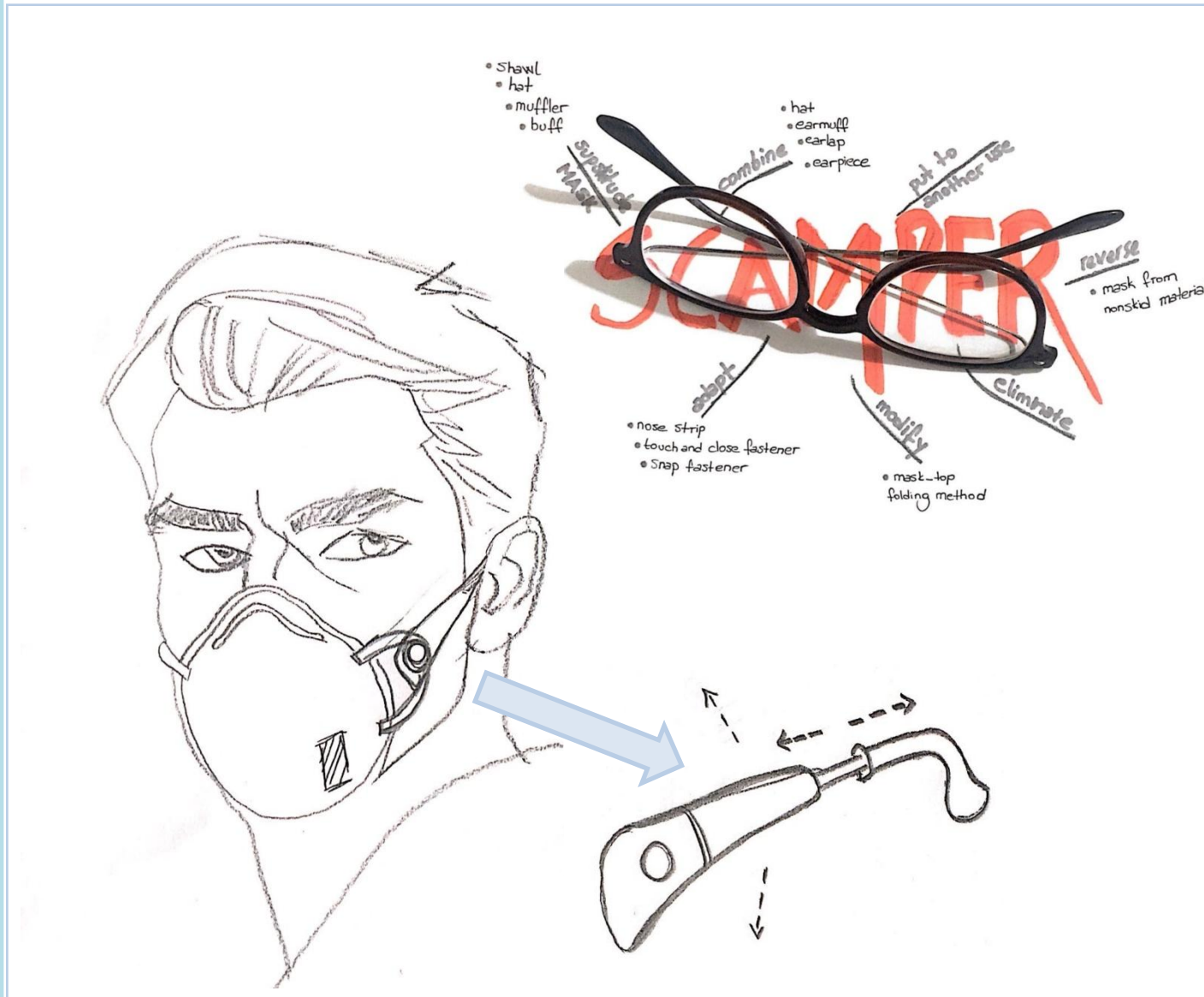
The mask is combined with a new and more useful apparatus.

Instead of putting the mask on the ear, I designed an adjustable eye-glasses handle.

In this way, users can wear the glasses-mask on their faces and adjust accordingly.

GLASSES-MASK

Adjustable Respiratory Mask for Covid19





Ayşe KUMSAR

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Quick Clean is a rechargeable and portable disinfection unit which makes disinfection by using UVC leds for the materials such as paper, metal, fabric. Inside the unit there are 3 plates that 2 of them for paper money and coins. 3rd plate is for bigger objects such as masks. The interior surface of the unit is out of PTFE teflon which make UVC leds reflect most and the material of the plates is acrylic.

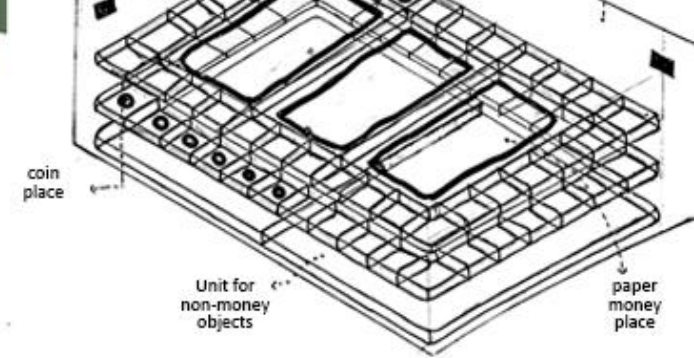
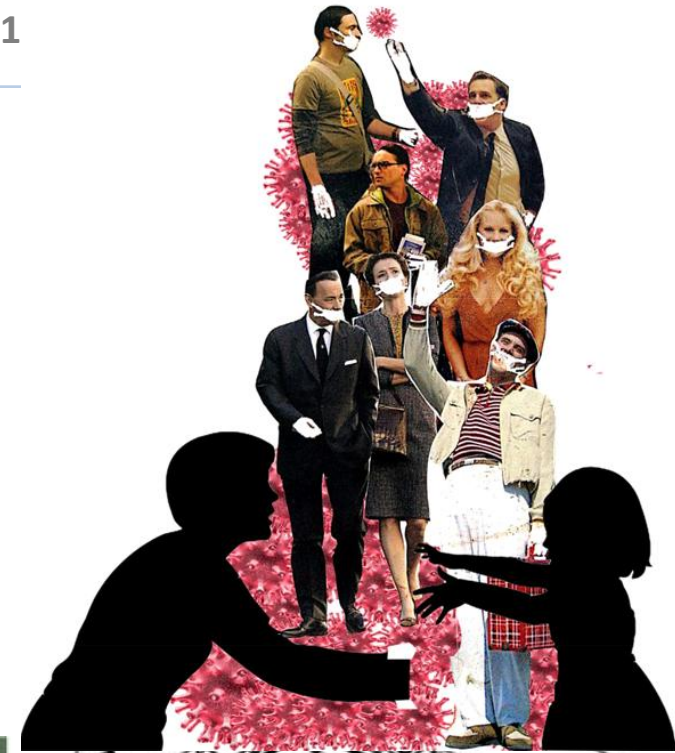
Users can disinfect many objects less than a minute and carry 'Quick Clean' to everywhere they wish.

QUICK CLEAN

A portable disinfection unit for Covid-19



Clean **where** you want
when you want





Nilay ÇATLI

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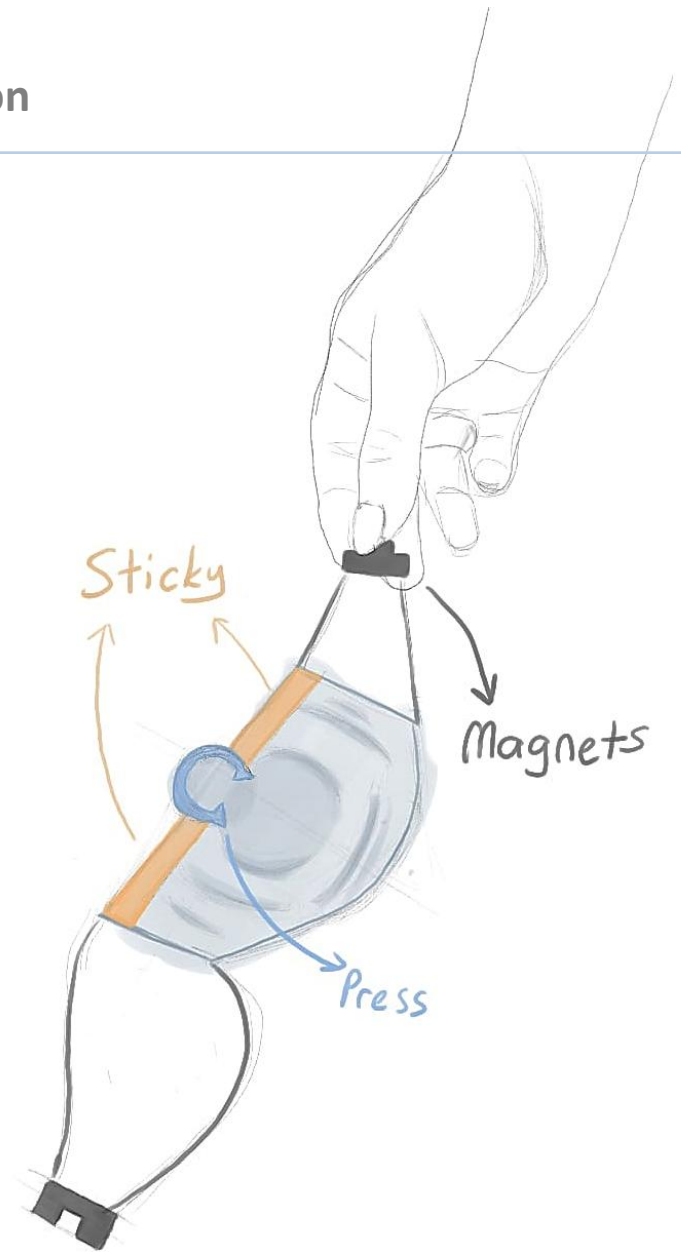
'Magdemist' is designed for people who wear glasses in daily time. The pressure on the ear was removed to prevent damage to the ear in the long-term use.

Rubber was used in the $\frac{3}{4}$ circle in the nose to keep the mask steady.

Medical adhesive tapes stick to the cheeks and prevent the mist on the eyeglasses. Magnets at the end of the ropes offer the user ease of use.

MAGDEMIST

Anti-fog mask with ear protection





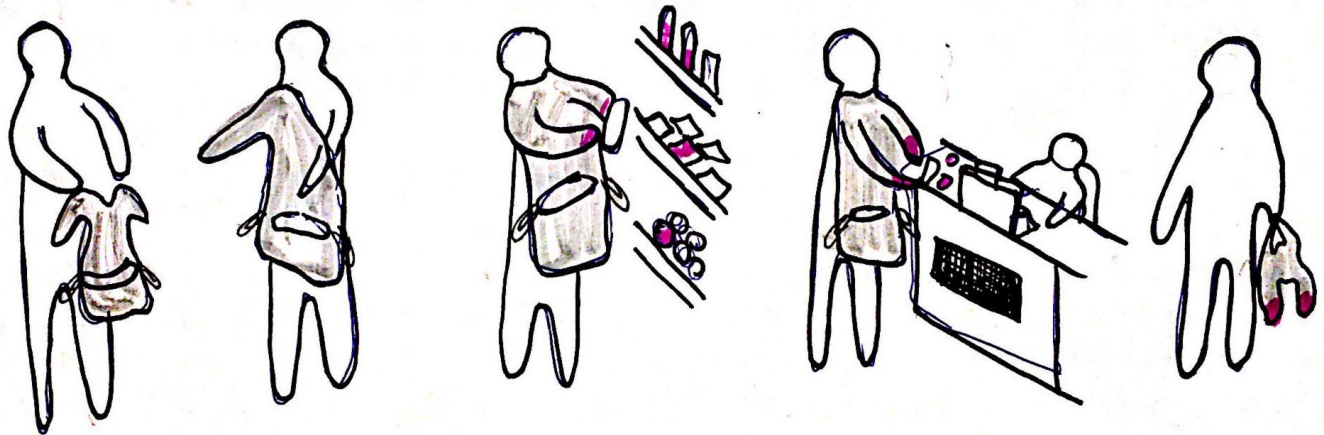
Zeynep Göksu Ünlü

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With the corona virus, grocery shopping has become a challenge for us. I thought about combining gloves and shopping bag to make this process easier. Its material is polyethylene. The part that looks like a kangaroo pouch is designed to put the products you get. When shopping is finished, the user will be able to take the “bagaroo” off and use it as a shopping bag, thanks to the handles. It can be appropriate for everyone. With the adjustable snap on the back, anyone can narrow it to fit their body.

BAGAROO

A sachet apron that allows you to shop comfortably



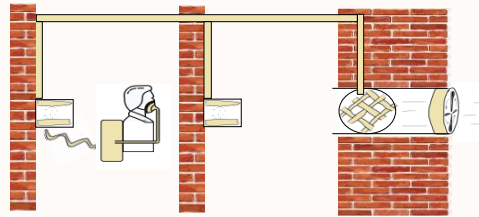


Arda KADOĞLU

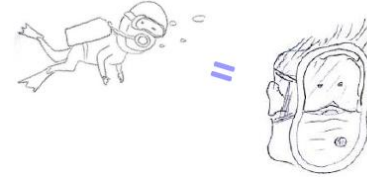
kadoglu@itu.edu.tr

Plug & Breath

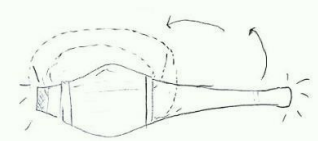
A filter system for fresh air



Concept A: Consists of filtering , transport and breathing elements and provide fresh air to healthcare workers who are in close contact with patients.



Concept B: A full face mask, inspired from divers to provide ease of breathing and eye protection.



Concept C: A surgical mask with a hook & pile fastener to provide easier and stronger tie without hurting ears.

	Concept A			Concept B			Concept C		
Comfort			Green			Green			Green
Protection			Green		Yellow		Red		
Modularity			Green		Red		Red		
Air circulation			Green		Yellow		Red		
Ease of breathing			Green		Yellow		Red		
Suitability for target group			Green			Green			Green
Weight	Red					Green			Green
Ease of usage	Red					Green			Green
Ease of wearing		Red				Green			Green
Max. use time			Green		Red		Red		
Price	Red					Green			Green
Feasibility	Red					Green			Green
Originality			Green		Red			Yellow	

‘Plug & Breath’ is a solution to be used in hospitals against contagious diseases. Unlike the conventional approach of filtering the risky air, Plug & Breath brings the fresh air inside, decreasing the risk of contamination as it is never possible to completely filter microorganisms. The concept consists of fresh air stations and a portable air tank. The air taken from outside is filtered through the HEPA filters which remove the small particles. With the isolated air transfer system, the contagious viruses are isolated from the breath cycle of the users.



Ali Uğur TULÜOĞLU

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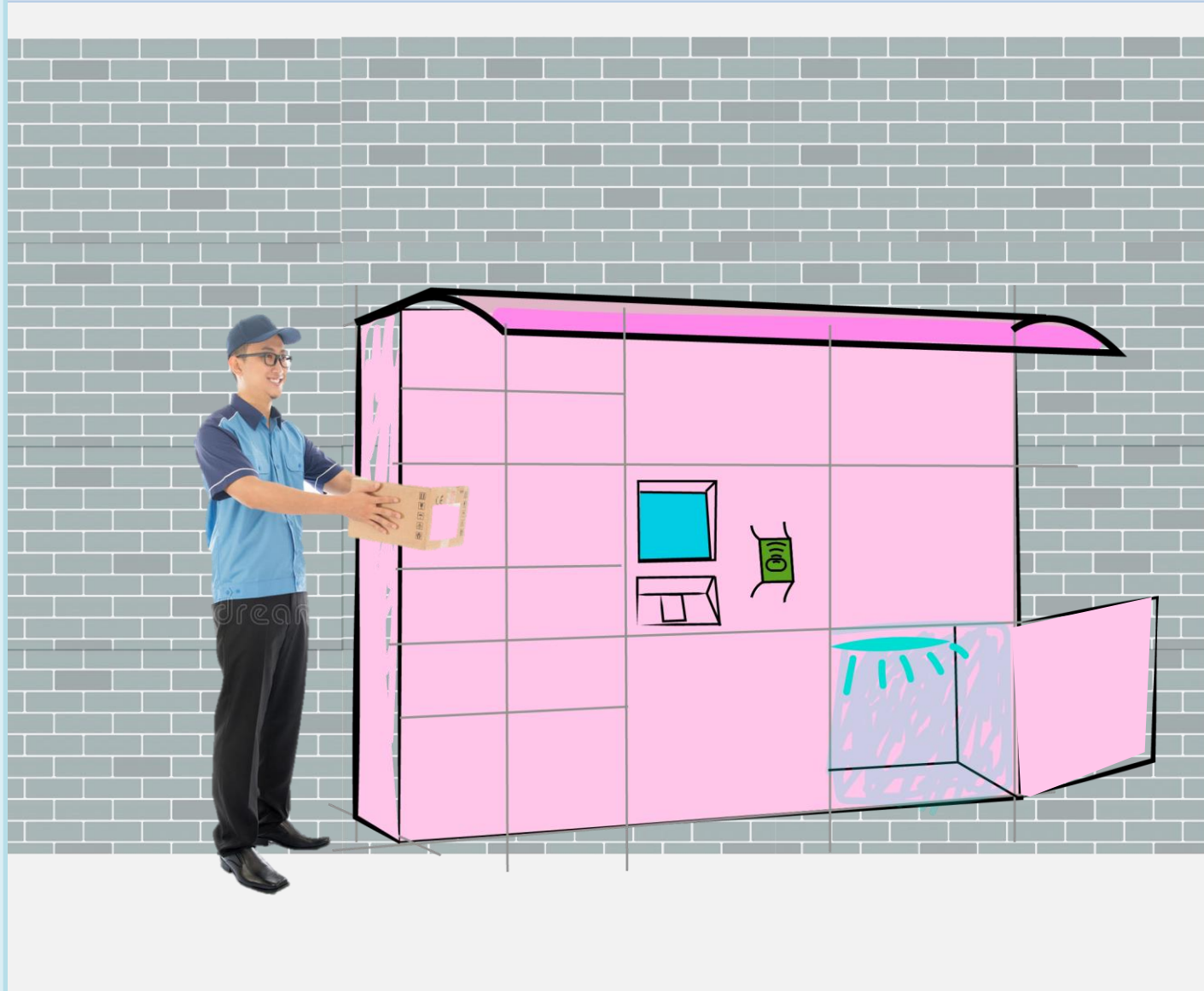
tuluoglu@itu.edu.tr

IUVCer is hygienic way to package delivery. During Covid-19 lockdown people took their own precaution for disinfect thir online order. However, there isn't any common approved method.

IUVCer can disinfect your order and can keep it on appropriate condition till you pick up. Also Nfc systems allow contact-free payment.

IUVCer

Hygienic package delivery





Rengin GÜREL

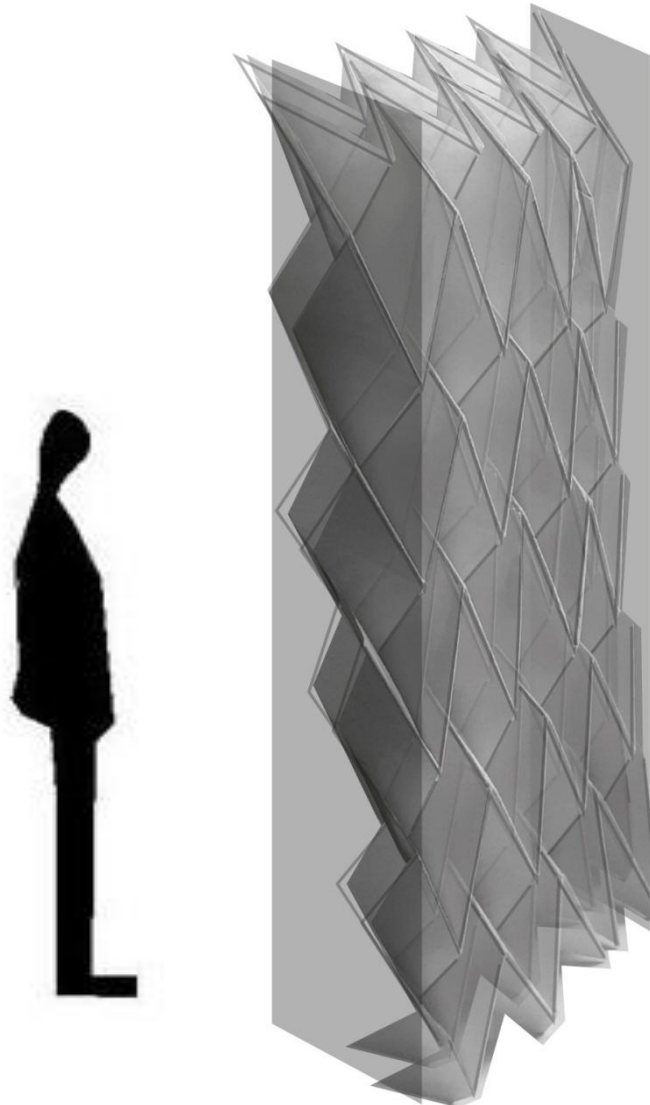
rengurel@gmail.com

Fold-Space is an aesthetic, soundproof and mobile space divider to ensure comfort of a "homeoffice".

During Covid-19 quarantine days our work and school had to keep going at home. This resulted problems like a lack of concentration, not having a space division etc. This design hopes to solve those problems by having a mobile and flexible wall structure that can shrink or extend similar to an accordion.

FOLD-SPACE

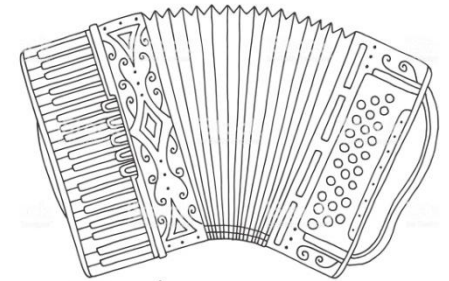
Accordion Partition Wall



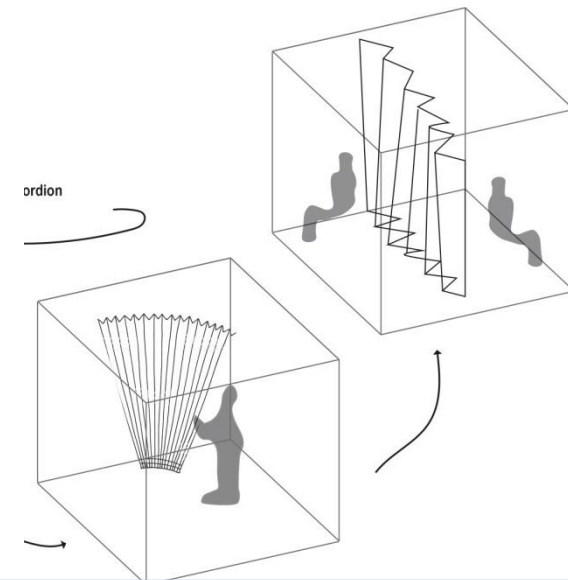
“How to create a space for it?”
[partition]
module
furniture

“How to open and close the partition?”
direct analogy: accordion

it could open and close similarly



Accordion





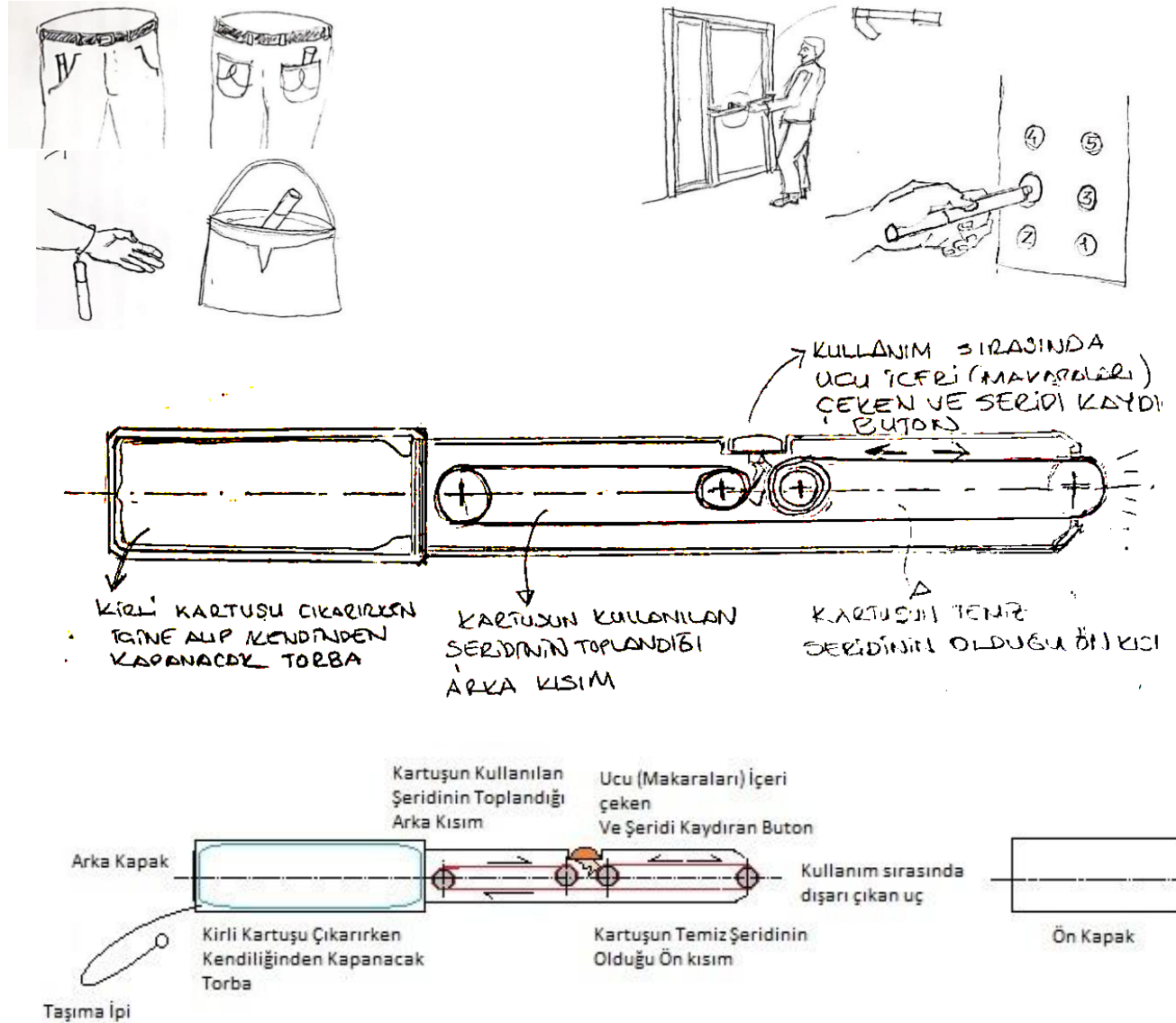
Kemal NAKIP

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HeaTS meets the need to touch surfaces that may contain viruses without using our hands or fingers. It is a tool that can clean itself. It can work with an 1.5 V battery. Having a cylindrical shape, HeaTS is suitable for outdoor use. The body is built of metal and plastic. The contacted head moves back and forth to ensure hygiene. It has a cover for closing when not in use. The strip that comes into contact with risky spots may be changed when it becomes dirty. It can be packed and removed in a sealed capsule.

HeaTS- Healthy Touch Stick

A tool designed to touch surfaces to avoid contact with viruses





Mesut Ege PiBER

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This is ZOI, a personal assistant which is more curious about your health.

It has a built in Virtual Assistant that connects and interacts with you in the day. It also has a health kit in it so you can find your important medicine in it! ZOI can keep track of your health and share it to the closest health clinic. In the meantime it checks if you have the symptoms of covid19 on a regular basis.

With its remote, you can communicate with ZOI everywhere around your house.

ZOI

A personal health assistant

ZOI and ZOI Remote





Cihan İKİZOĞLU

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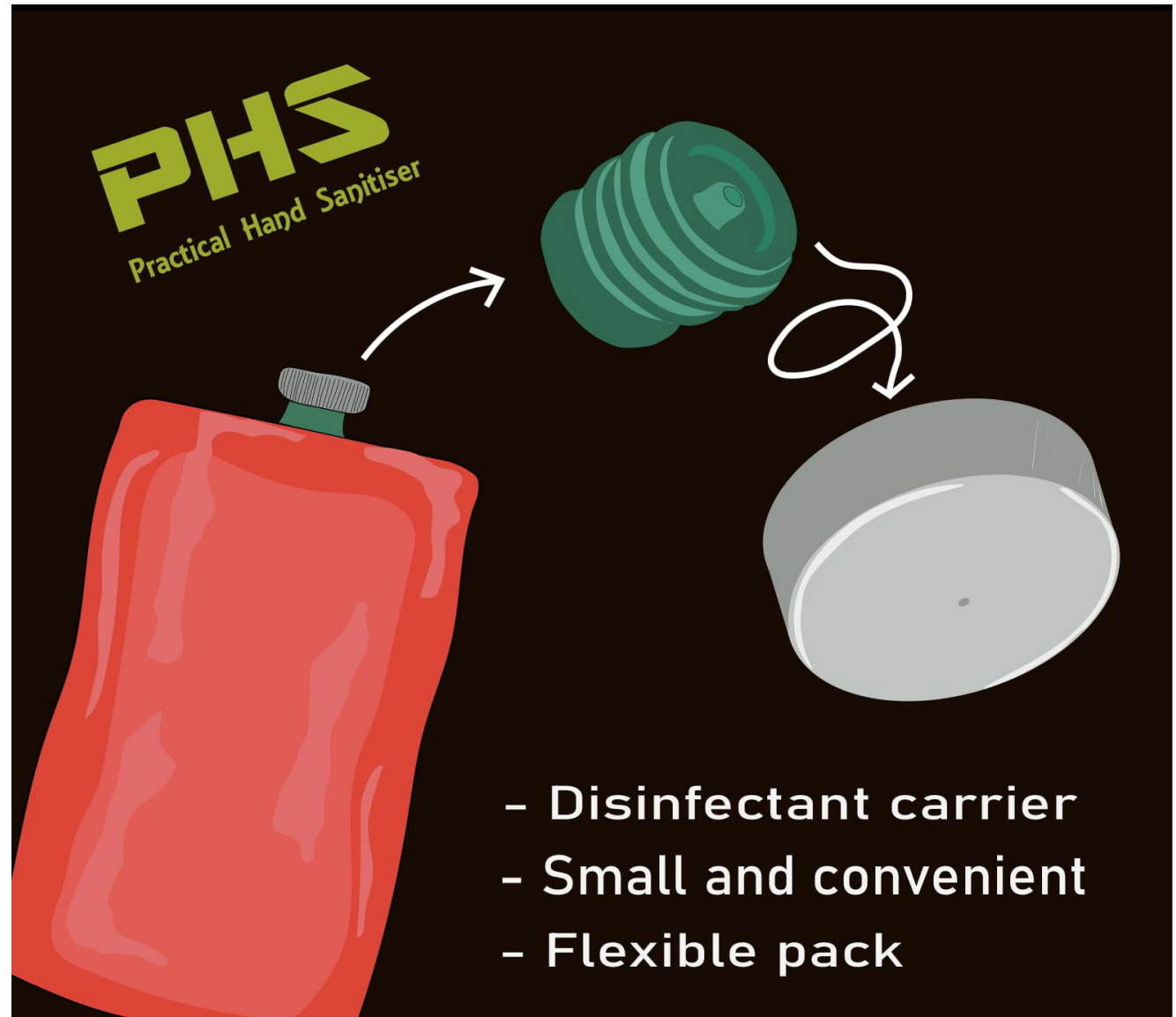
'PHS' is a small pack that carries disinfectants. The pack is flexible, so it can be bended and squeezed easily. Its disinfectant tank is transparent that the user can calculate the disinfectant amount inside it.

The cap can be removed by cranking, so you can fill more or less disinfectant inside it. The plastic material makes this product affordable.

As we know, disinfectants fight with the current virus. 'PHS', can easily be carried in the pocket or somewhere else, that the user can use it whenever they want, especially when they go out.

PHS (Practical Hand Sanitiser)

Small flexible pack that carries disinfectant





Esra BALCI

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This minimal mask can be a great alternative to disposable and not-so-comfortable masks.

It has a filter on the front that has 100 micro holes on the surface and 4 more thin filters inside.

Plus, it has only one string that goes on behind of the user's head, thus it does not disturb the ears. Since the mask has only one string, there is a detail at the bottom of the mask to support the chin. Also, the size of the mask is big enough to cover the nose and mouth, yet small enough to show the face.

Lastly, the user can wash these masks and change the filter on the front when they required.

E-100

Sustainable, washable and biodegradable mask





Efe KILIÇÇÖTE

kiliccote19@itu.edu.tr

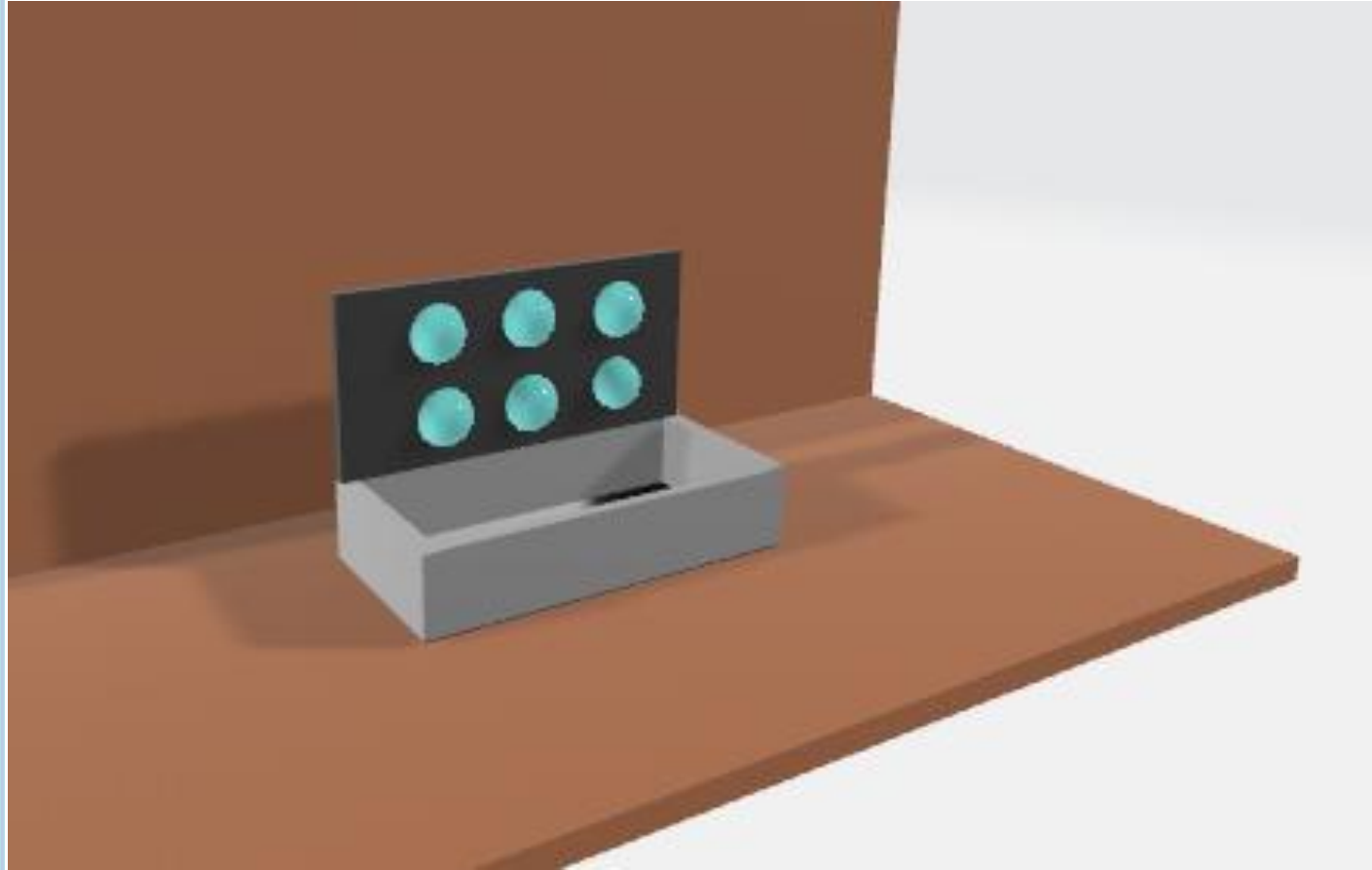
“Cleansing Light” is a device that disinfects face masks using ultraviolet (UV) light.

This device is a box covered with lead. It has six UV lights installed inside the cover and a aluminium mesh inside the box.

Ultraviolet lamps are often used in medical industry to disinfect clothing and medical equipment. This product aims to provide this technology to common households to reduce mask usage.

CLEANSING LIGHT

A UV light device that allows the user to disinfect facemasks.





Şeymanur YAZICI

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SafetyCatcher is an app designed for everybody to remind us to social distance. It can be used when you download the app to your phone. The app works as a Covid19 critic. It counts your cough times, calculate your fever and heart rate. The app also sends notification to other people around and change its colour to red if you are suspicious. The app does not aim to shame any people, its goal is stopping the spread of Covid19 and other viruses. The user needs to be careful in social life, so SafetyCatcher takes care of you and your environment.

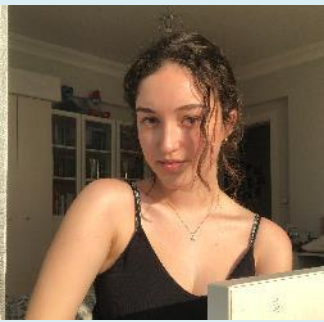
SafetyCatcher

A Smartwatch App That Detects Sickness to Avoid Spread Covid19



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Sude Kartalbaş

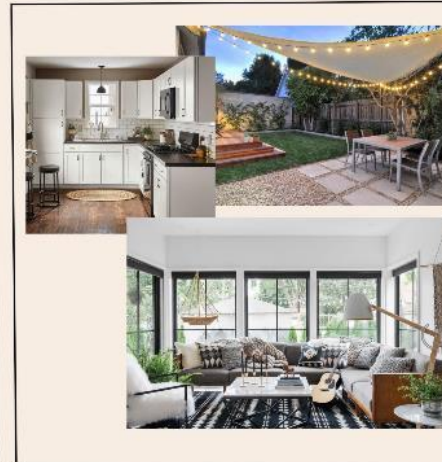
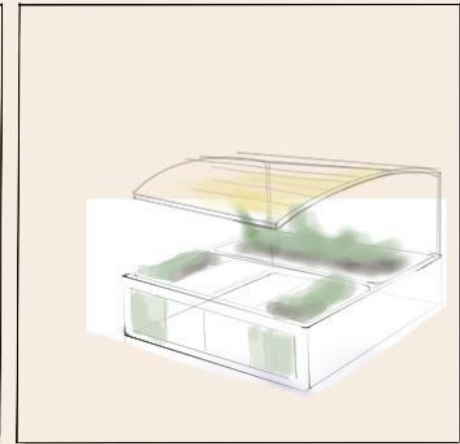
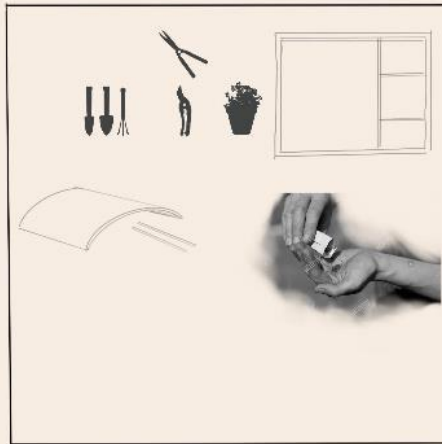
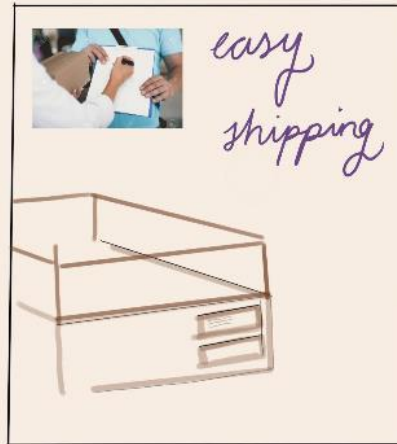
sude.kartalbas21@gmail.com

About the name, SAYE means shadow in arabic. When we say “senin sayende” in Turkish; meaning because/thanks to you. It has a meaning like “I accomplished what I did under your shadow.”

This is an easy DIY styled kit for beginner gardeners to start their own garden and harvest some products for their home cooked goods. It also contains basic tools for gardening and comes with its own pot so the user can save space and stay organized.

SAYE'

A planting-farming station for urban gardeners





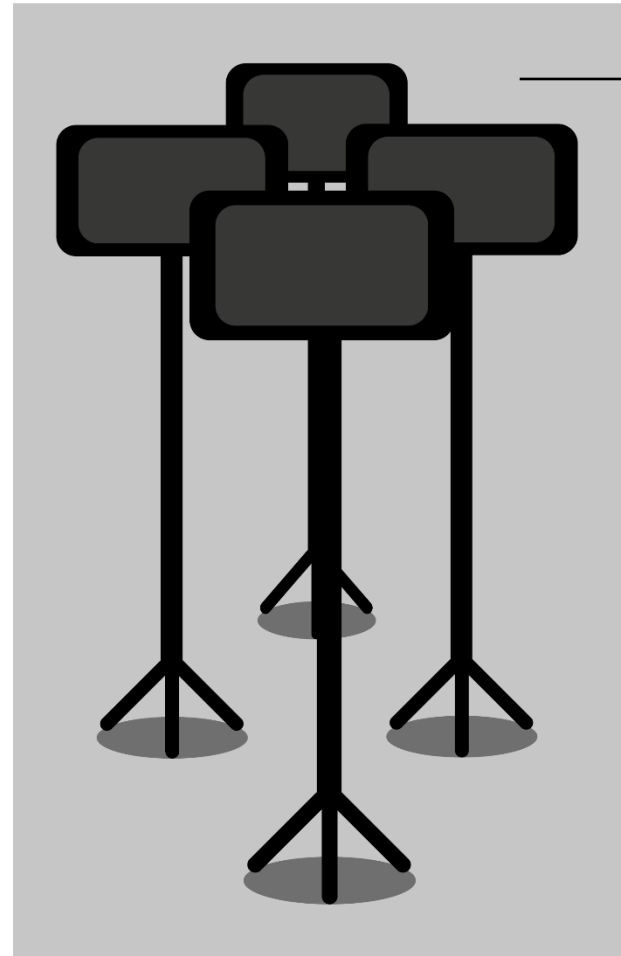
Alp ŞEKER

sekeral18@itu.edu.tr

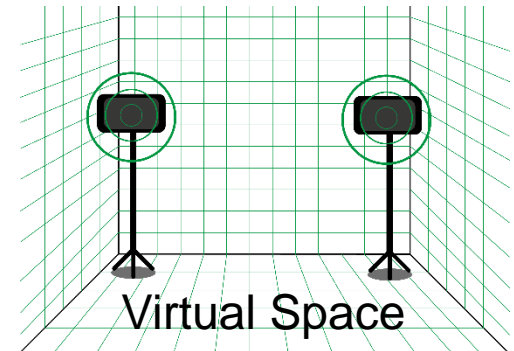
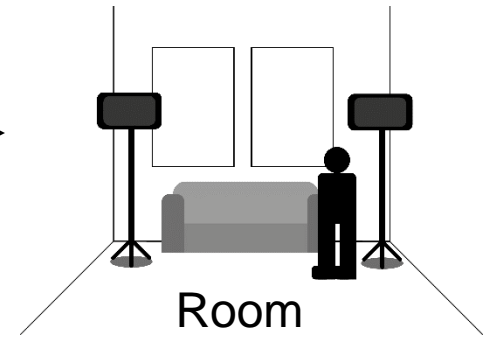
“Meet Up” is a product to change the space around you. This comes with a four-piece equipment that the user has to put in four sides of the room that they are in. This creates a virtual space and the user can change it however they want, let's say a Musical on Broadway or a snowy mountain top with goats. This can be used online with friends or family and even for online classes. Online connection is just enough. It creates a virtual reality where people could get together and have an experience.

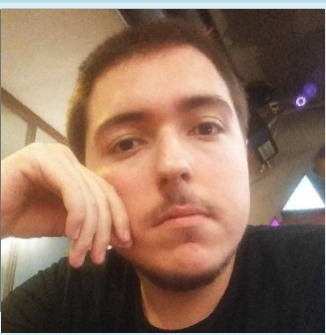
MEET UP

4-piece equipment that creates a virtual space for communication



Equipments





Halis Berke Güler

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“Smart Distancing” is a system that keeps people at a safe distance during public transportation. While people are waiting at the bus stop, they pick up their phone and launch the mobile application that allows them to see the incoming bus. This application also shows empty areas on the bus. Thanks to the application, before they get on the bus, they decide where to stand. When they get on the bus, they go to the area they decide and stand there. That square shape area turns from red light to green through weight sensors when they stand on it.

SMART DISTANCING

Smart Social Distancing System for Public Buses





Feyza BAŞAK

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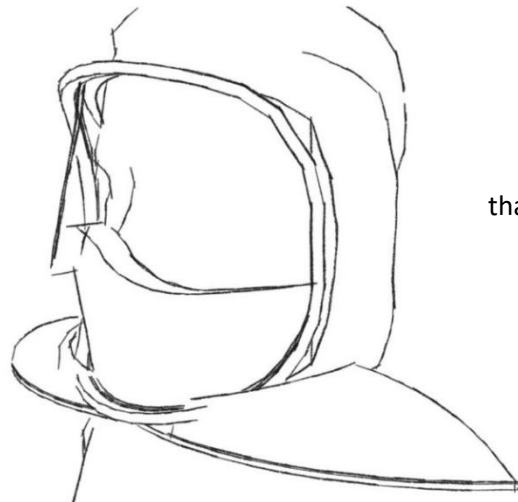
Due to this design users with vision problems will not need to wear glasses.

Thanks to the vapor-proof filter surrounding the nose, there will be no vapor transition to the glass part.

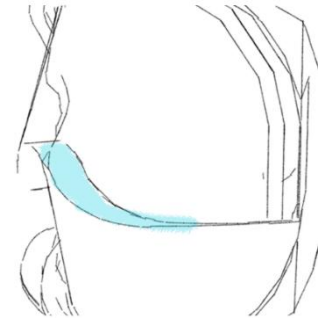
It can be connected to the phone via Bluetooth so that the user can listen to music and also get directions from the navigation.

Musisolation

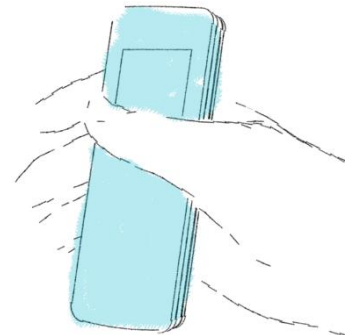
It is a mask designed for those who wear glasses



The user can listen to music thanks to the headphones inside.



Thanks to the vapor proof filter, the glass is not fogged.



Thanks to bluetooth, it can be connected by phone.

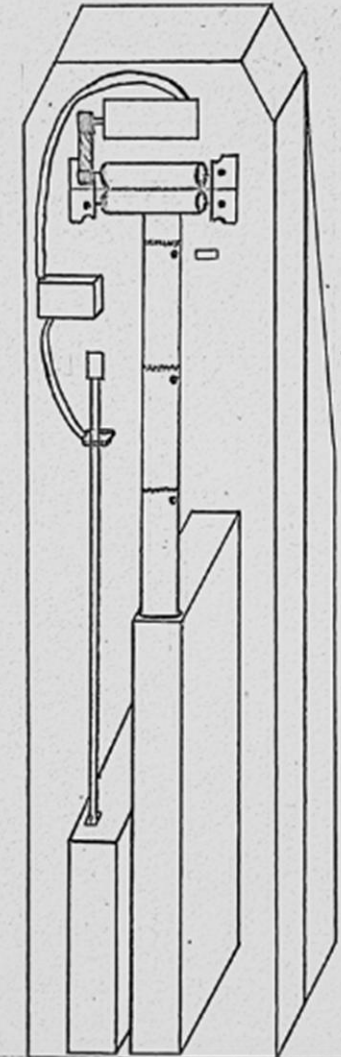
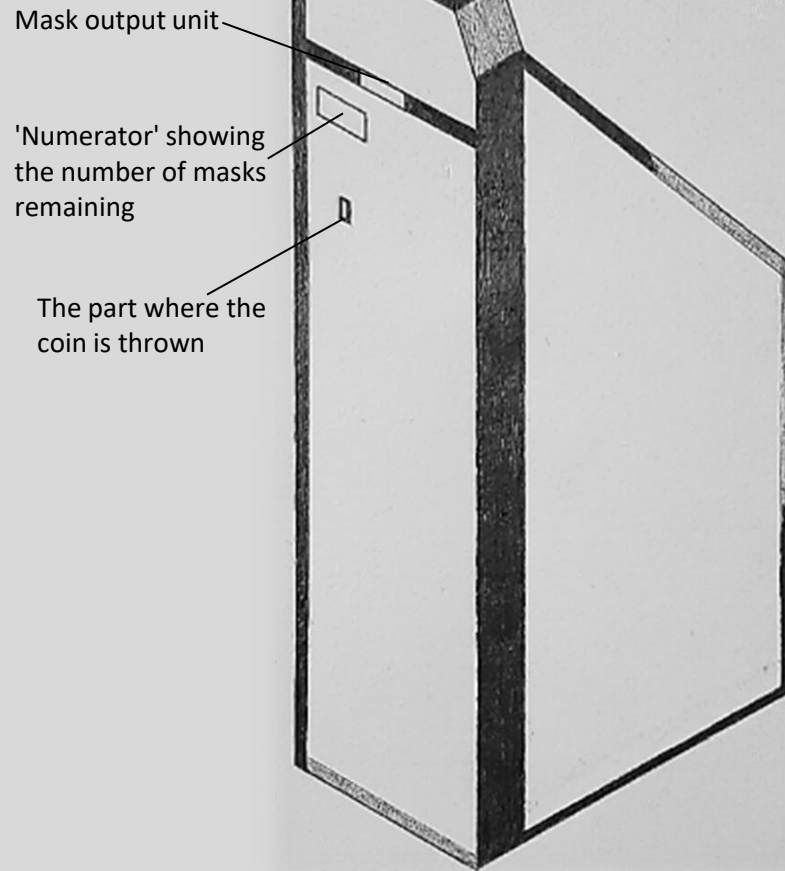


Şevval ALDIRMA

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MSM - MASK SUPPLY MACHINE

MSM for Covid19 that makes access to the mask fast, easy and safe

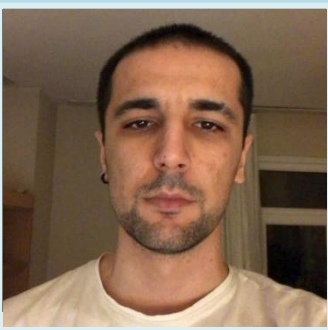


Simple internal system of the machine

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'MSM - Mask Supply Machine'
The Mask Machine can work both with 220 volt electricity and with battery in places where electricity is not available. It has a very simple system. The motor activated by a metal coin, which the user throws into the machine, starts and gives the packaged mask out and the system stops when it comes to the next mask thanks to the sensor reader inside. Thus, users can access the mask as quickly, safely and easily as they need. Each machine has a masking capacity of 1000 pieces. These machines are placed in necessary places in certain neighborhoods and offered to the users.



Hüseyin Can KOYUNCU

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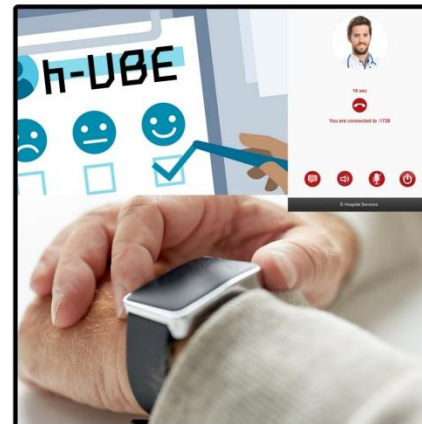
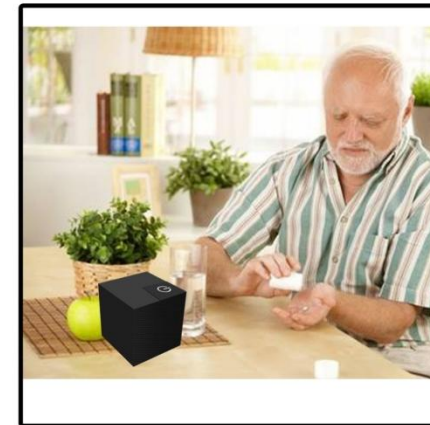
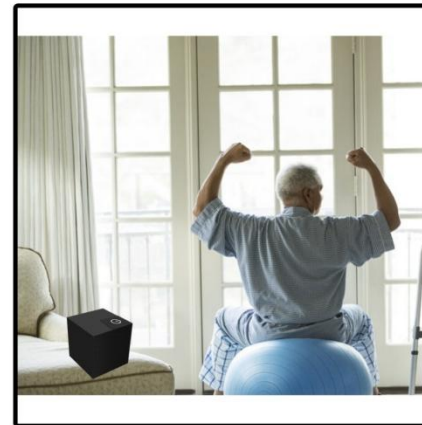
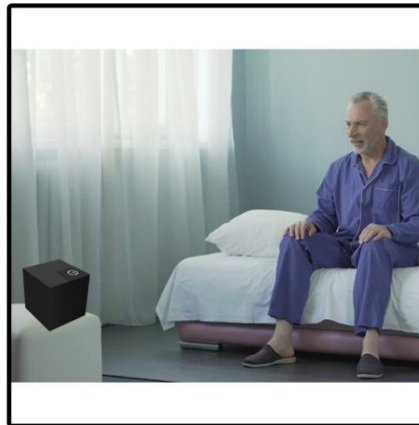
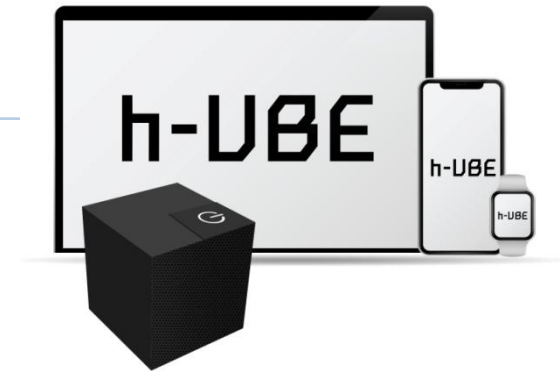
Hube is an assistant robot for old people who is living solitary in self-isolation in pandemic times.

Basically, it is a software which has artificial intelligence. Cube form is for its visibility but it can connect to every smart device in the house.

Mostly Hube is for health care. It can remind pills, prepare exercise plans, contact with the hospital, check health situations. Moreover, it organizes house works and needs. It helps time management and improves life quality.

Hube

Assistant robot for old people





Asena ÇAKMAK

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'Tick Tocker' is a product made of paper and it is a product designed for people to use their time more effectively at the time when they spend a lot of time at home.

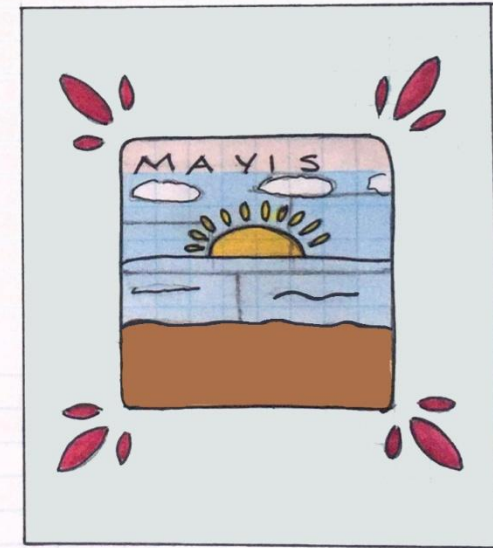
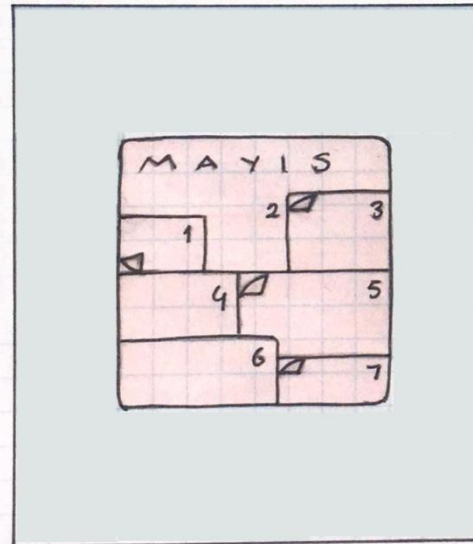
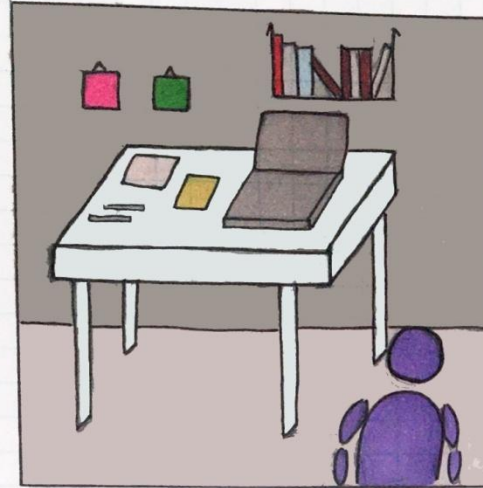
It is designed to spend the quarantine period efficiently and develop responsibility awareness.

To encourage this planner, a sticker is placed on the surface of the planner and a image is stored. By the end of the week, users will have reached the picture behind the planner.

Now it's time to find the picture!

TICK TOCKER

for Time-Efficient Planner in Quarantine Period





Alper ÖZGÜR

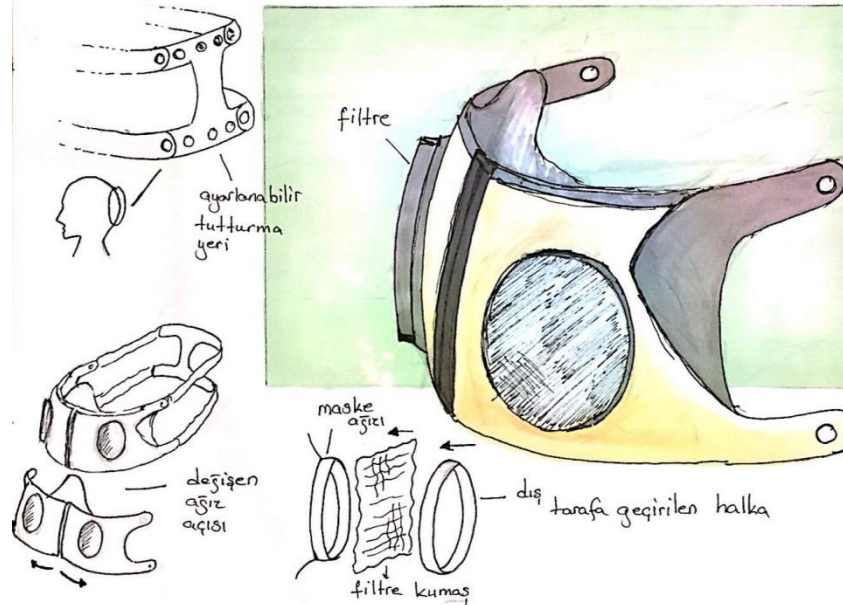
ozgura15@itu.edu.tr

There are two covers on this mask that includes filters. Filters can be changed at any time thanks to easy removal of covers. For example, after using a mask, a healthcare worker can reuse the mask by simply changing the filters instead of buying a new mask for the next day. Since other parts of the mask are made of plastic, it can be washed and disinfected. Another feature of the mask is that there are adjustable threads at the back of the head and soft sponges inside the mask. In this way, scars caused by wearing a mask on the face of the employees for a long time is prevented.

CAP MASK

It is a mask which is changeable or modifiable

Takıp / çıkarma					
Tuturma yeri					
ağız ve burun ile ilişkisi					
sorun lar					
malzeme					





Ulaş Erdem ÖNAL

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Cube-edule is a gadget that schedules your hobbies as you wish. During quarantine time the biggest concern is how to spend time more effectively. Using cube-edule provides you much more efficient time and could improve your abilities. The four sides of the cube show you upcoming activities that you choose. Users simply connect cube-edule to a computer and can change upcoming activities and their timelines. It is suitable for home-office workers or students who take online courses.

Cube-edule

Schedule your hobbies and best activities during quarantine time





SAFETY FIRST!

Covid19 mask specialized for field work

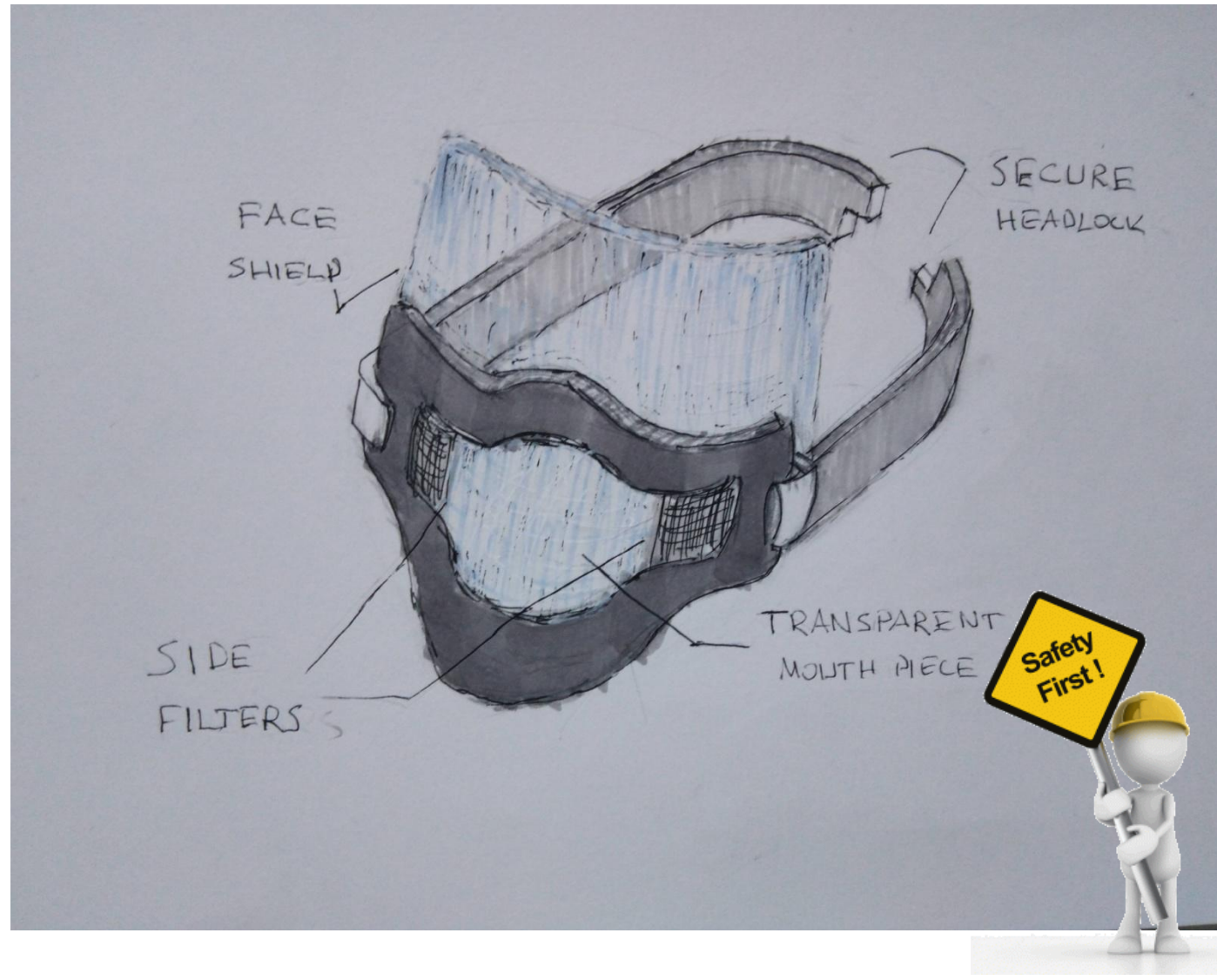
Uğur ZÜLKADİROĞLU

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Safety First! is a simple, secure covid19 mask project which also protects the workers from the disadvantages of their working conditions/potential harm from their working environment.

The face shield is detachable to make it easier and safer to clean during work.

The lock part is a flexible material which won't discomfort the ears while ensuring a tight hold fit for hard workers.



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Ahmet Furkan KURT

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A system designed to meet people's market needs in a healthy and effective way during the pandemic process we are in.

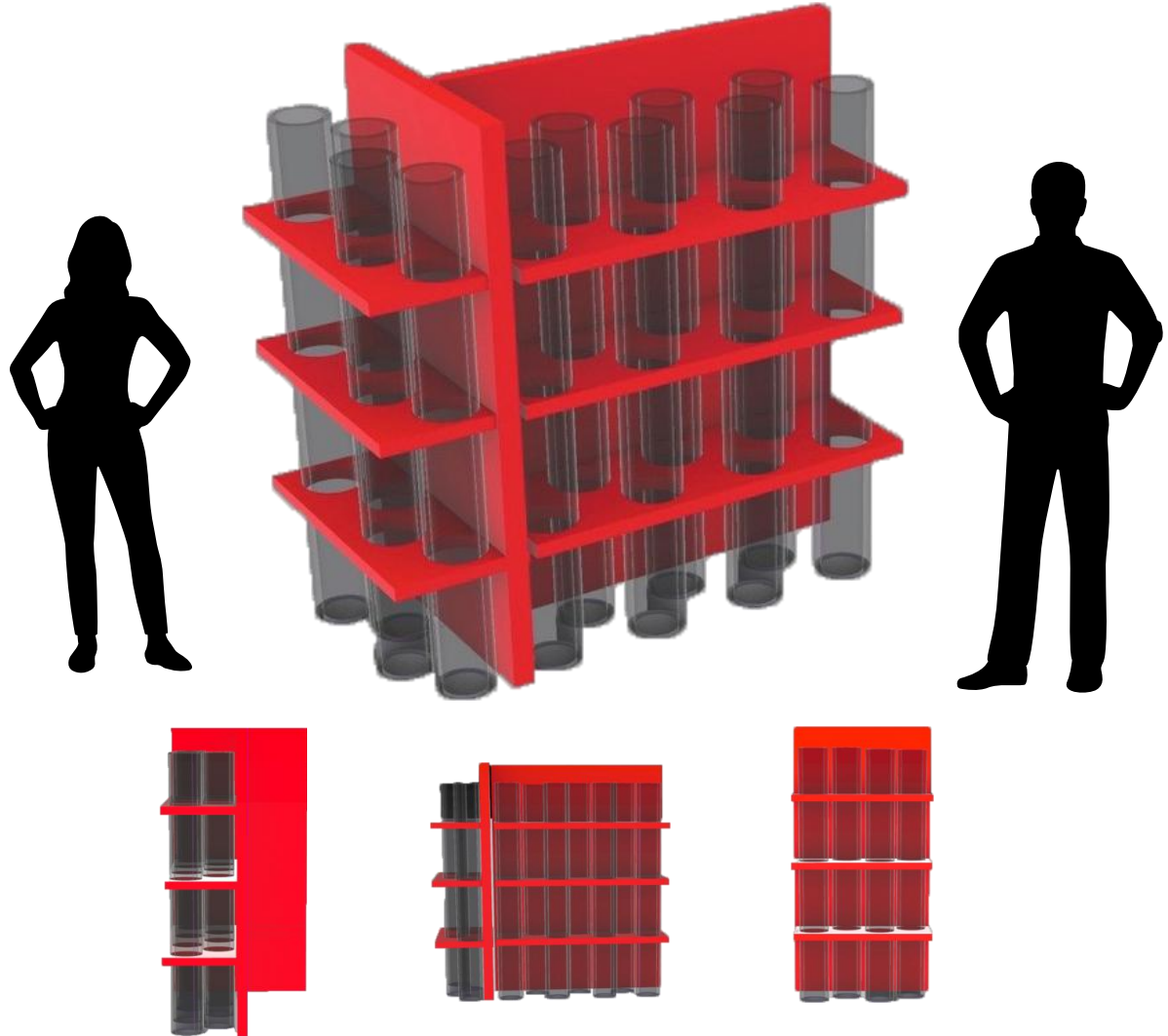
The system is covered with capsules that go down underground into the product compartments of a market shelf, allowing the consumer to go directly to the cashier without any contact with the packed or canned product to be purchased.

In this way, someone else will not touch the product you are buying before you.

SHOPSULE

A system to transfer products from depot to market shelves

SHOPSULE





Korkut AYDEMİR

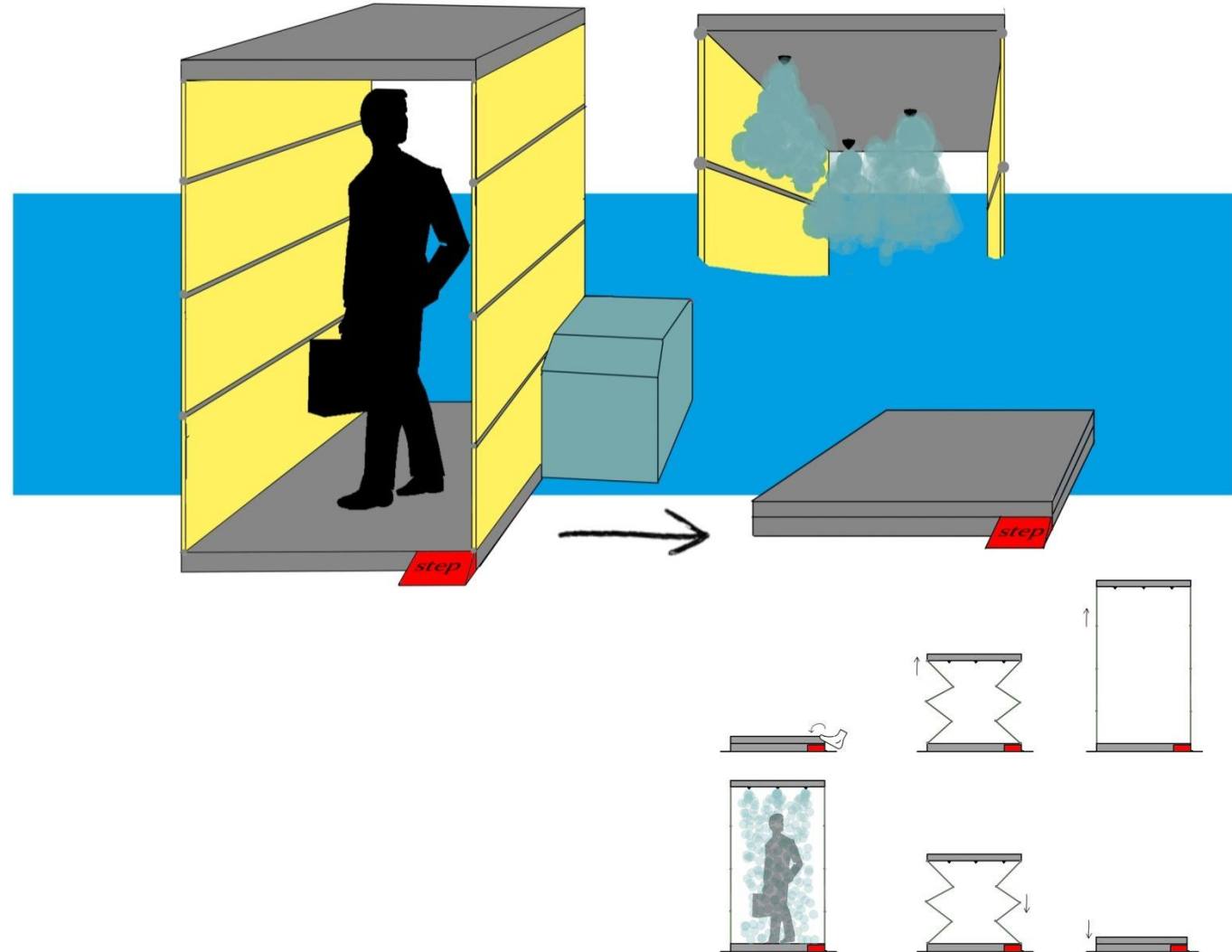
aydemirk18@gmail.com

In the pandemic process, we are restricted to go out. In order to go out, we need a more sterile environment as individuals. For this purpose, I designed "Perfection Box" to provide disinfection while going in and out spaces.

It is a box for disinfection that can be placed in entrances of buildings to fight with covid-19.

PERFECTION BOX

A Box for Disinfection





Fatma Gülsüm ARVAS

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I named my design as “Beltier”, because it is a kind of **belt** that forms a **barrier**. This belt is composed of triangle parts that are held together by shape memory joints. These joints can change shape when stimulated by heat, CO₂ and lack of O₂, making the triangles fold or bend. The belt contains triangles that are on top of each other, so when stimulated, they open step by step and form a barrier around the person’s body. This barrier protects the user’s distance with other people. Everyone can use this in their daily lives.

BELTIER

Social Distancing Belt With Shape Memory Composite Joints



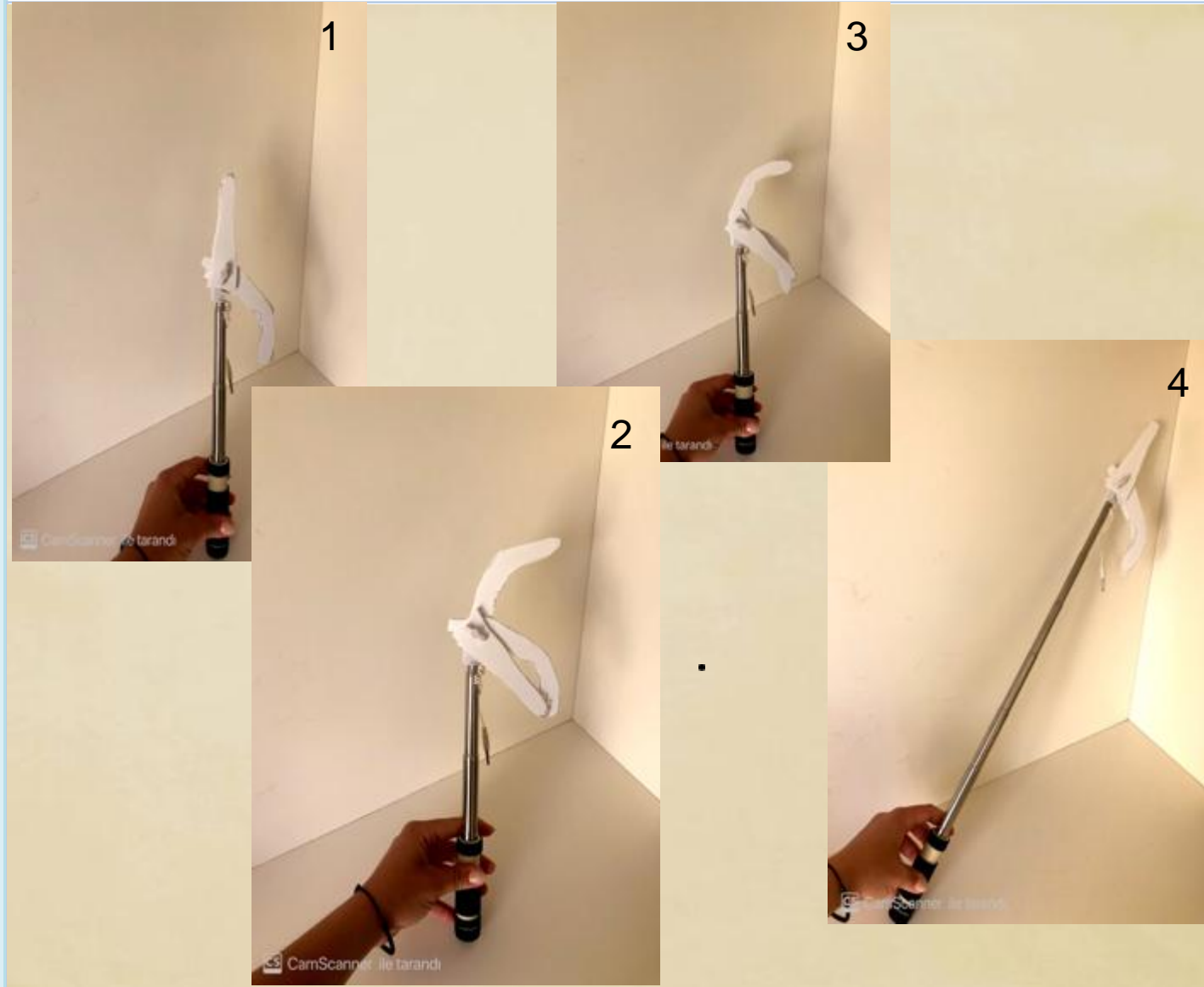


Derin Naz Kızılsavaş

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REMOTE HAND

A tool that avoid us to not touch everywhere.



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Rutkay SALİH

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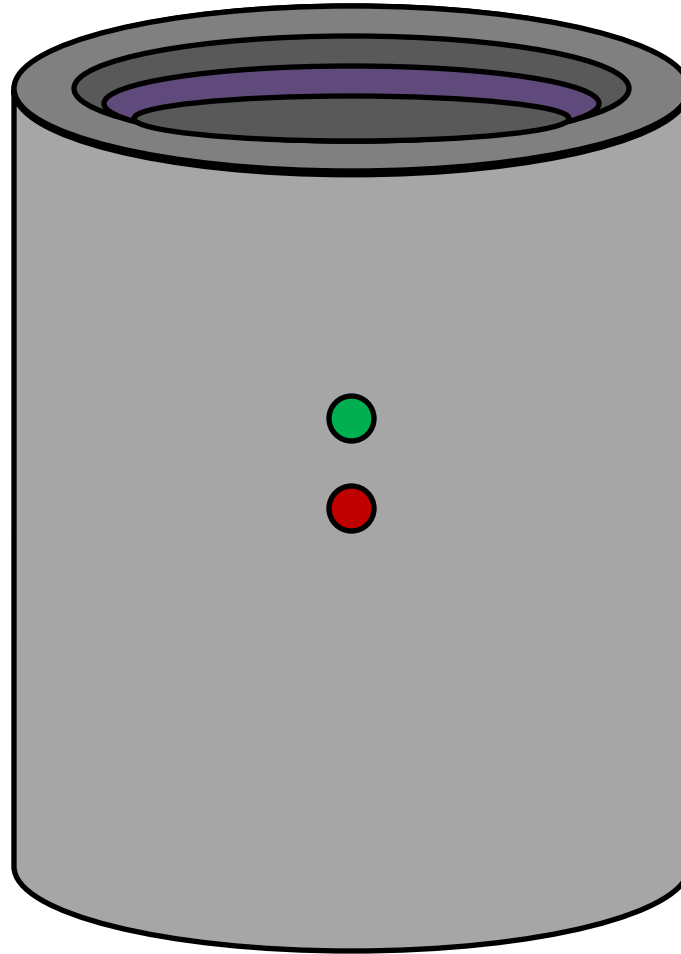
People touching the same objects and surfaces makes the Coronavirus spread faster, but it is nearly impossible to buy untouched products from markets.

Dip n Clean is an object sanitizer mechanism that kills microorganisms with UV rays and liquid sanitizers.

Dip n Clean can be found in checkout section of markets. Customers can dip the product they want to disinfect to the mechanism and use it safely without touching it.

Dip n Clean

Object sanitizer





Fatma Ilgin KESTİR

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"Safebreath01" is a mask that has a built-in skeleton that helps the user to be comfortable during usage.

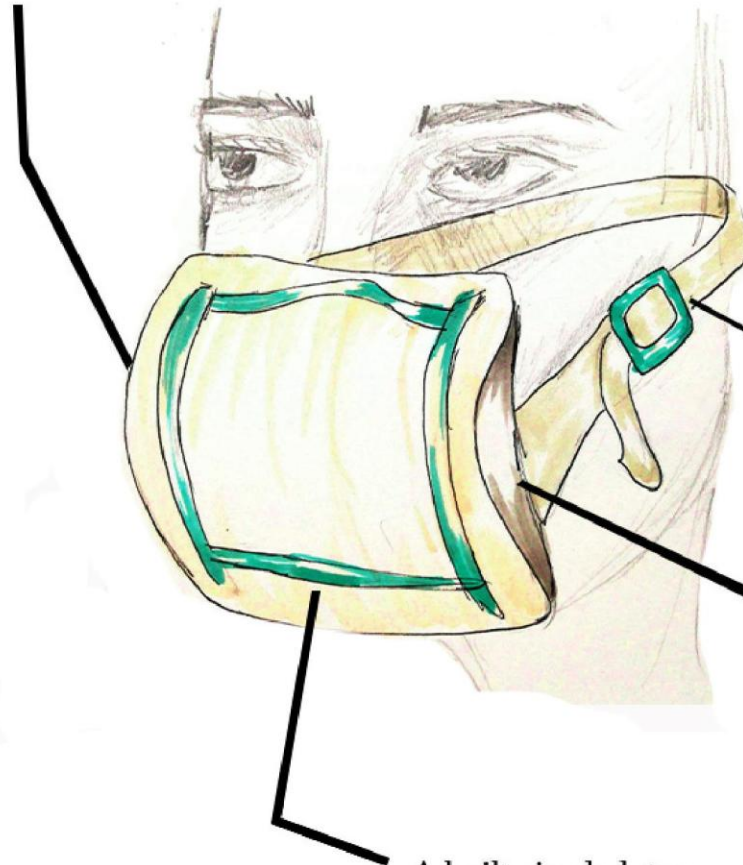
The mask's fabric is a composite material that has the ability to insulate heat (which is essential during summer) and to filter small specks.

It is also adjustable for any head shape and has an extra fabric so that the user can hold the mask without the risk of contamination.

SAFEBREATH01

A Heat Insulating Structured Mask for Covid19

Heat insulating fabric



Adjustable strap

Excess fabric
to hold

A built-in skeleton



Cansu KARACA

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EnterPlan is a website that offers entertaining activities and helps you plan your day. New activities are offered by making an introductory test which will show the activities that suit your personality. According to the test, the website will lead you to sources you will discover these activities. EnterPlan can be used with any device via the internet. It aims to help people working from home with their jobs, get them organized with timetables, and motivating them with new activities to experience so that they won't feel helpless and depressed.

ENTERPLAN

A website to enhance time management with entertaining activities



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Beyza Nur KAŞKA
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The virus is transmitted dangerously through the respiratory system and by hand contact. So to minimize the spread of the virus, we must follow the 20-second rule when washing hands.

While washing your hands with these color-changing foams, the color of the foam changes from white to green in the 21st second and we understand that we follow this rule in which the germs in our hands are cleaned. disinfect to the mechanism and use it safely without touching it.

COLORFUL BUBBLES

Stay clean in Covid-19 with color changing bubbles





Ayşen Nur ÇOLU

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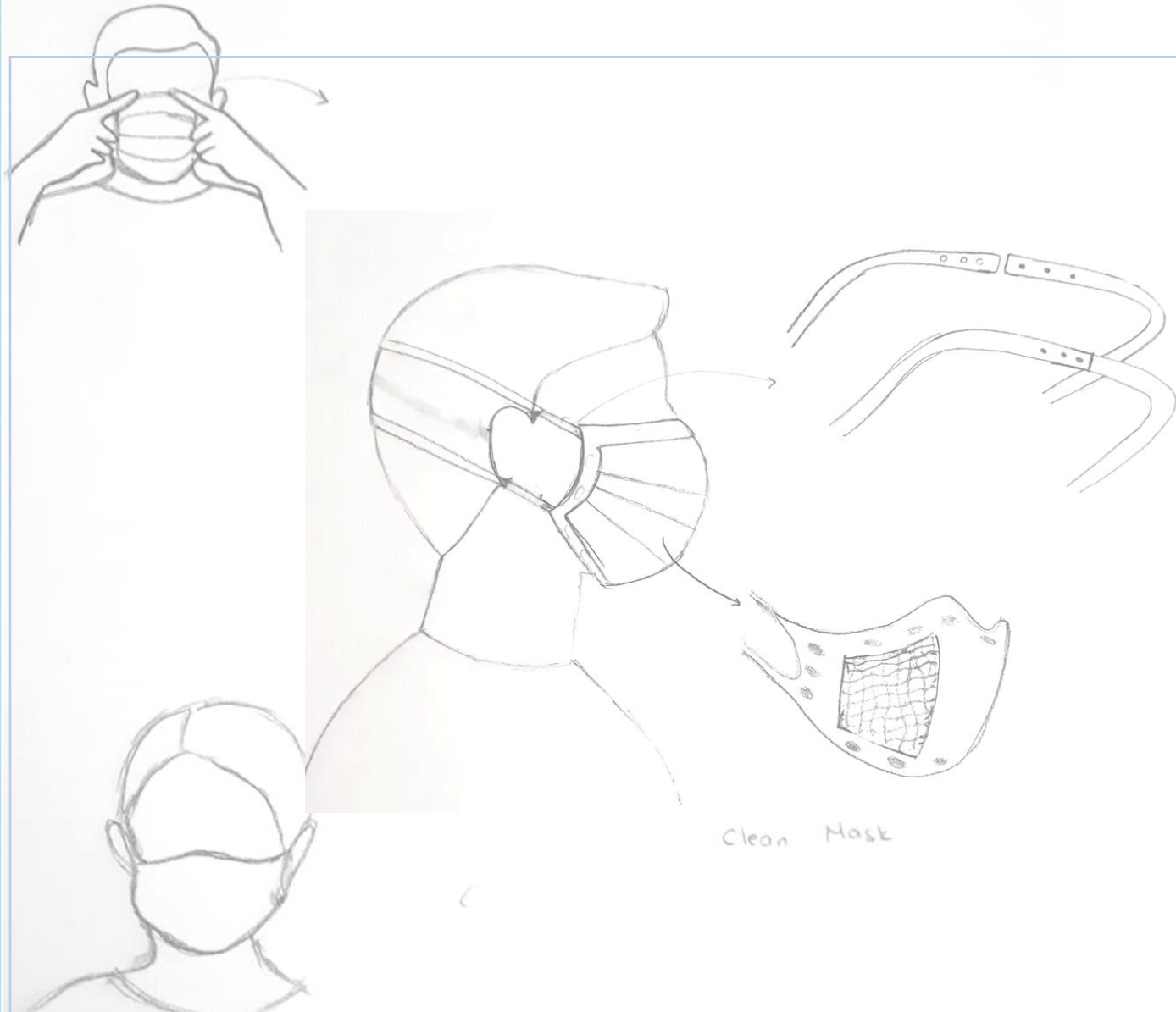
Environmask is a design especially for the increased need for masks after covid 19.

Easy-to-access masks are generally disposable. Masks that we can be used more than once are cleaned using water. The purpose of this design is the production of masks that can be used more than once without the use of water.

Cleans the mask with special capillaries and capsules contained in environmask. It is also in a special adjustable structure as it will be used more than once.

ENVIRONMASK

Mask that can be used multiple times without the use of water



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Nil Naren Yildirim

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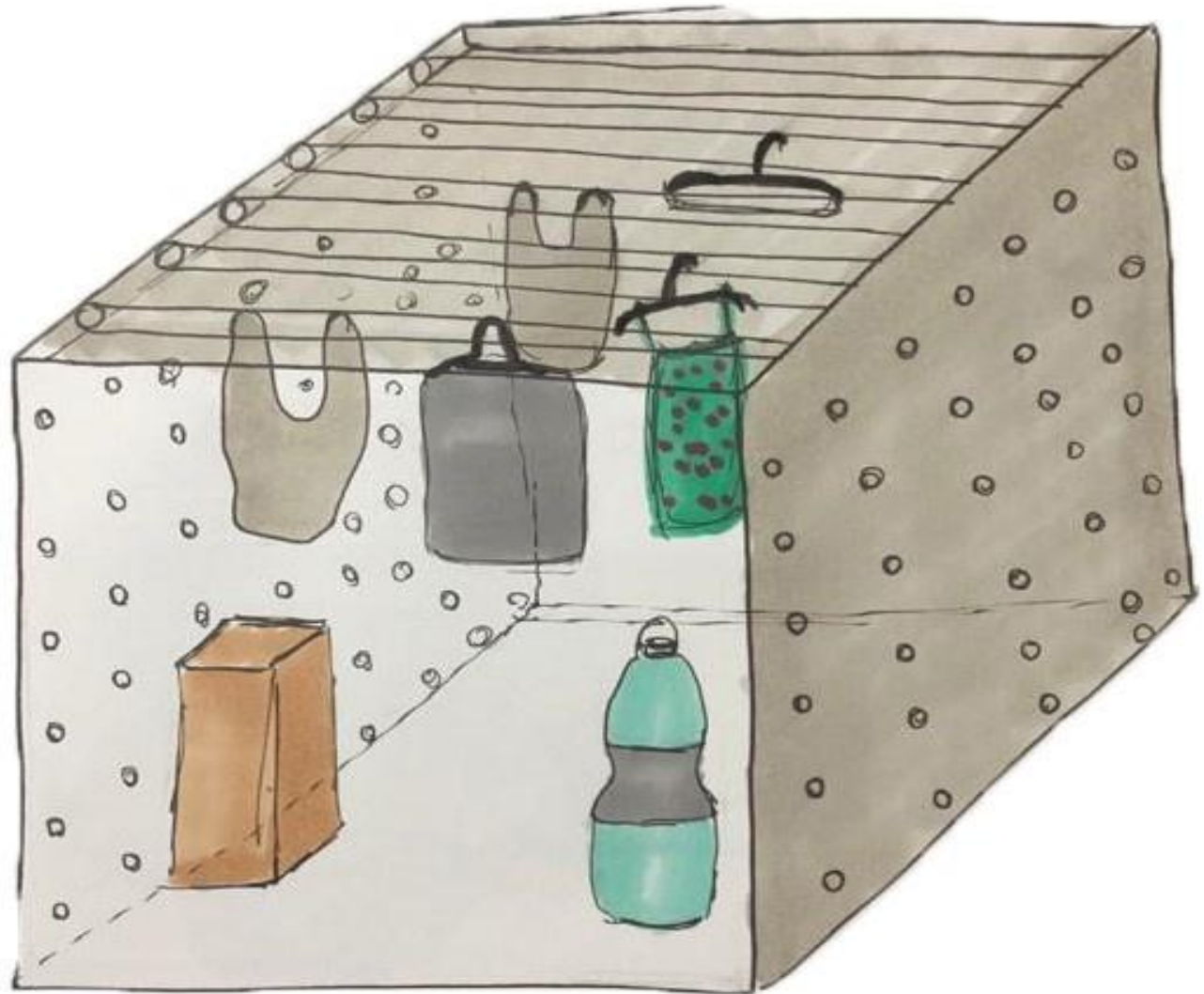
Airing Box helps you clean your clothes and belongings by its 3-layer microfiber fabric and by squeezing disinfectant through the pores on the walls.

You can rest when your packages are being cleaned. It aims to disinfect items inside by making the air loop with filter fabric.

The bags or clothes can be hanged with hangers or latches. When the door is closed and start button is pushed, the disinfectant will be sprayed inside from the walls.

AIRING BOX

Airing and sterilization box for incoming cargos and packages





Eda Yaren CENGİZ

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Silver gloves are special gloves designed to fit as a part of our daily life.

The gloves made with silver infused nano-technological fabric that has anti microbial properties. The fabric also has a fashionable look, enabling the product to be used comfortably in daily life.

The fabric based design allows a much more comfortable use in various seasons, can be washed instead of disposal.

SILVER GLOVES

Anti-microbial, multiple-use fabric gloves suitable for daily life



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Halenur Yazıcı

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SlicoMask is a mask made of silicon, with interchangeable filters that can cover people's face easily.

Users can wash the mask completely and use it again and again, as it is covered with non-wet fabric for the mask. In addition, thanks to the non-wet fabric, they can be used longer during the day.

The mask has micro holes in the front, so that an airtight material such as silicon is made suitable for breathing.

SlicoMask

Reusable Slicon Mask for Covid19





Esra Betül TÜRK

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The safe payment point includes a transparent plate between the cashier and the product band. This plate prevents the invisible particles from reaching the cashier. There is a space at the bottom of the plate so that the cashier can move her hands comfortably while reading the barcode of the products. At the end of the product band, there is a mechanism that allows products to be packaged without human contact.

SAFE PAYMENT POINT

A payment point that protects cashiers from contact with people





Filiz YER

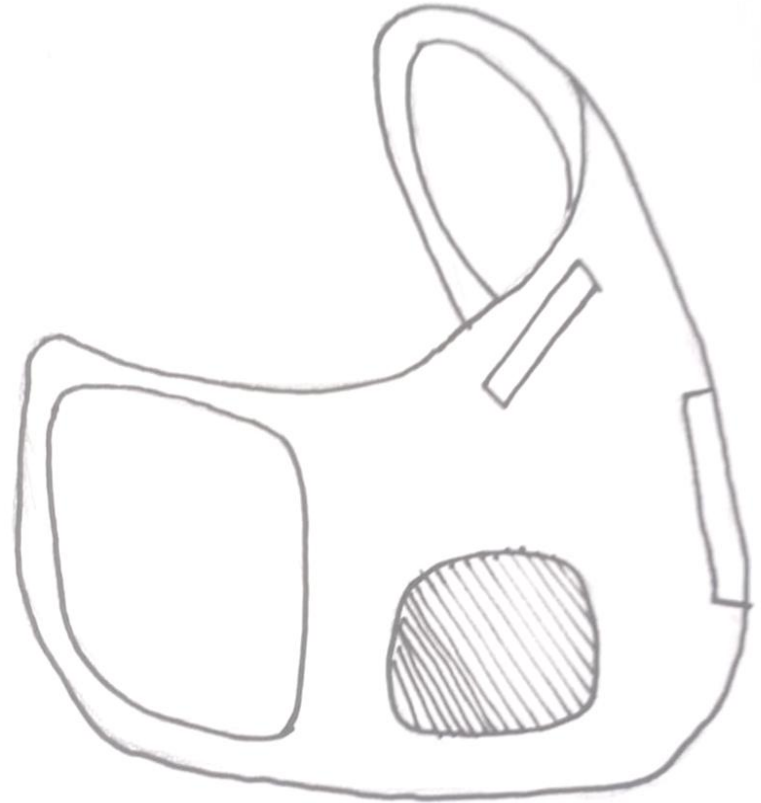
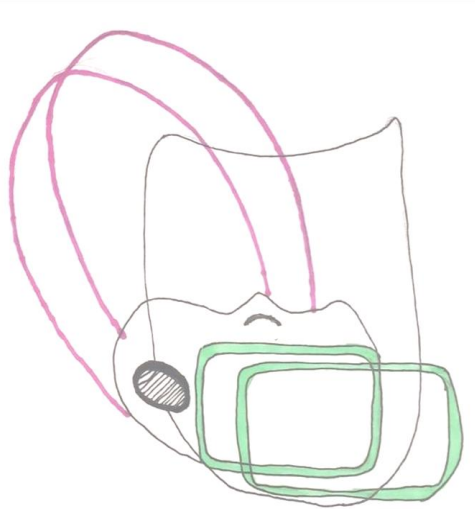
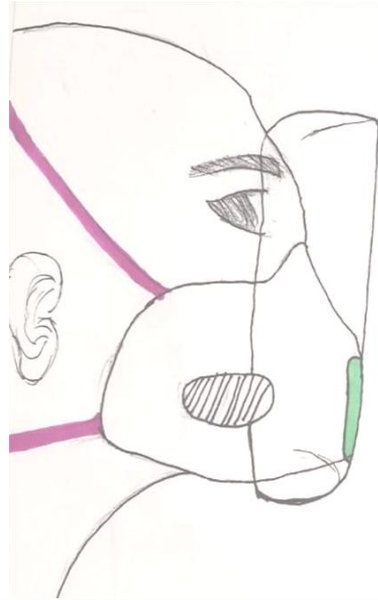
yer18@itu.edu.tr

The DALI we use by passing through our head provides us a comfortable use. The transparent part covering the face protects us, so that we cannot touch our eyes with our hands and we will be protected from the virus. It has a metal part that is shaped according to our nose.

It has a smaller design of aircraft filters. Thus, it can destroy even the smallest microorganisms. It is a mask suitable for reuse by cleaning with water.

DALI

Mask with advanced filter and comfortable use





Alara İçöz

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My product is an innovative and inspiring product that will minimize the virus threat at workplaces. People at work use the doors frequently in work hours. It is not useful to change plastic gloves each time you touch a door handle.

I came up with a product that has a mechanism that when people grab the door handle and pass through the door, the 'hygienic door handle' changes the plastic bag that covers the outside of the door handle.

Hygienic Door Handle

Renews the contacted door handle with a plastic bag and keeps it hygienic.



man opens the door



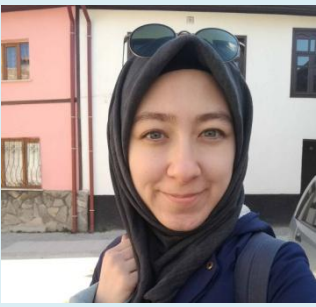
passes through the door



walks away



The mechanism replaces the handled plastic bag with a clean plastic bag



H. Kübra SARAOĞLU

hkubra.saraoglu@gmail.com

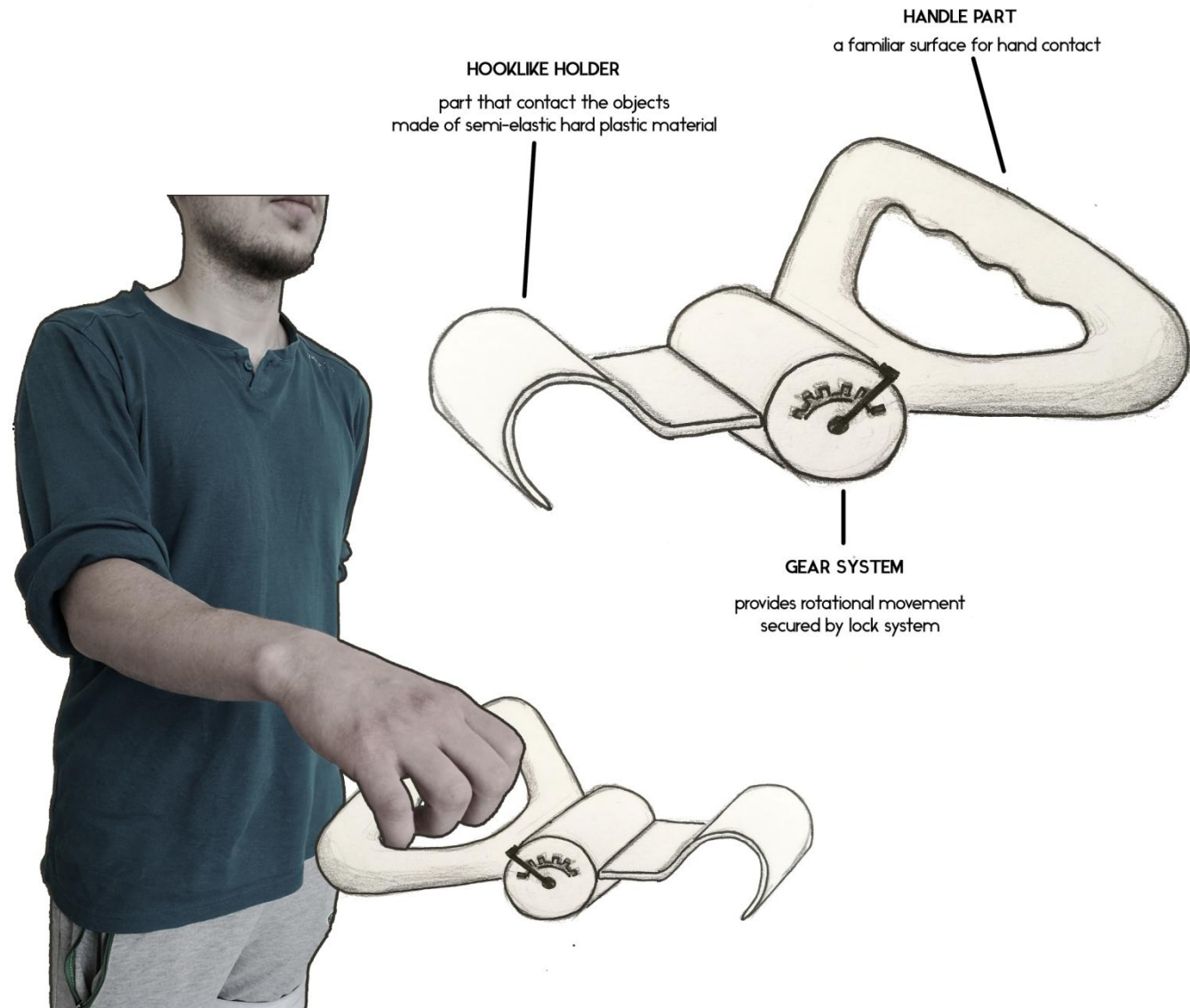
Mediator is a tool designed to reduce contact while shopping. It mediates the function of holding without touching our hands to the surfaces that are being held.

It was designed so that its main purpose is to hold shopping trolleys and baskets where constant contact with the market is mandatory. The material can be recycled.

It can also be used when opening the market door, picking up various items from the shelf. It helps the passengers standing inside the bus.

Mediator

A product that redefines the function of holding in shopping areas





Gamze ÖZTÜRK

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This product is designed to prevent disturbances in sleep patterns that can be caused by long hours in front of the screen during the quarantine process.

The glasses reduce the effects of harmful light exposure and warn when these effects exceed the limits.

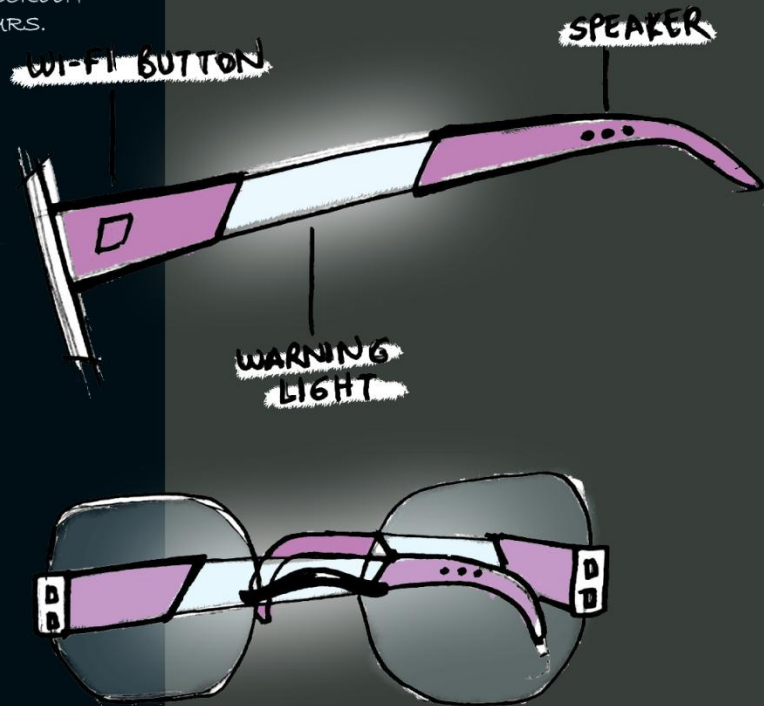
Sleep-Well Glasses

Glasses to protect us from sleepless nights

SLEEP-WELL GLASSES

THIS GLASSES A USEFUL PRODUCT FOR PEOPLE WHO WORK AT HOME IN THE QUARANTINE PROCESS AND PEOPLE WHO EXPOSE TO HARMFUL SCREEN LIGHTS FOR MANY HOURS.

A PRODUCT WHICH CAN BE USED WHILE WORKING ON COMPUTER AND LOOKING AT THE TELEPHONE SCREEN.





Ozan Ulaş Karaca

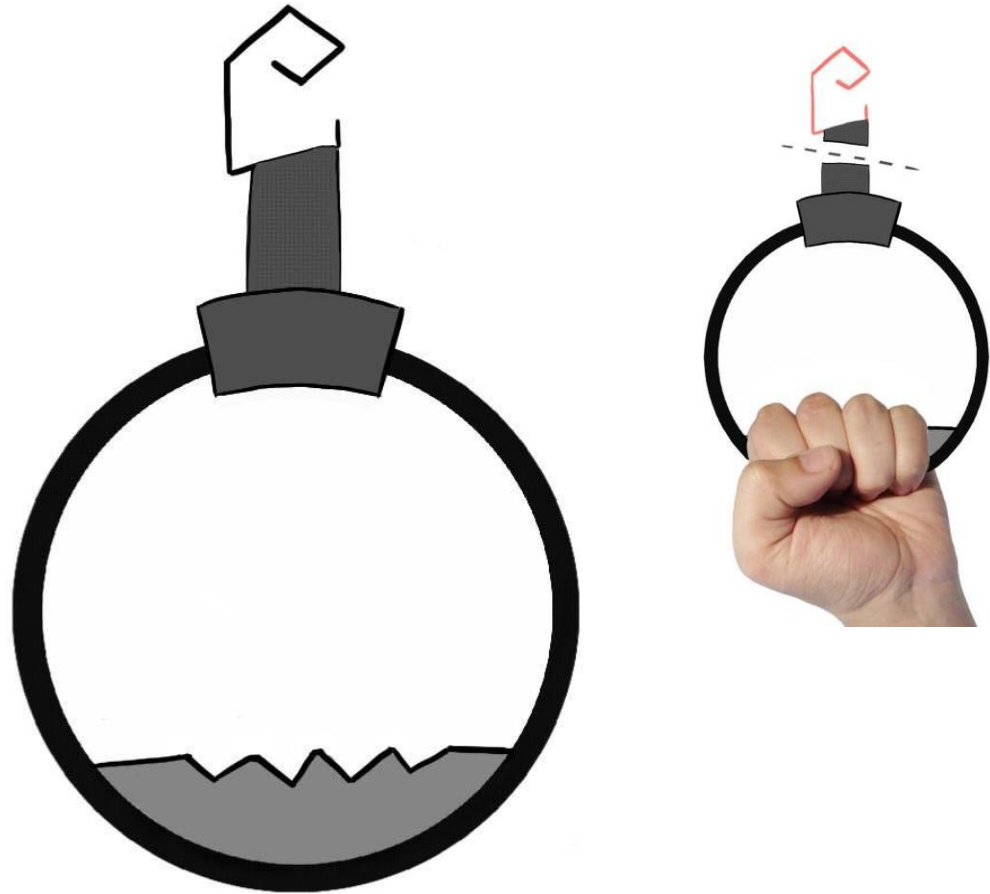
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'Safegrab' allows the person who uses it to not to contact any surface in public transportation. In this way Covid-19's spread risk decreases.

To set up user needs to take Safegrab and attach the hook with holding bar.

Safegrab

Minimal portable grab handler to use in transportation





Elif Esma ECEVİT

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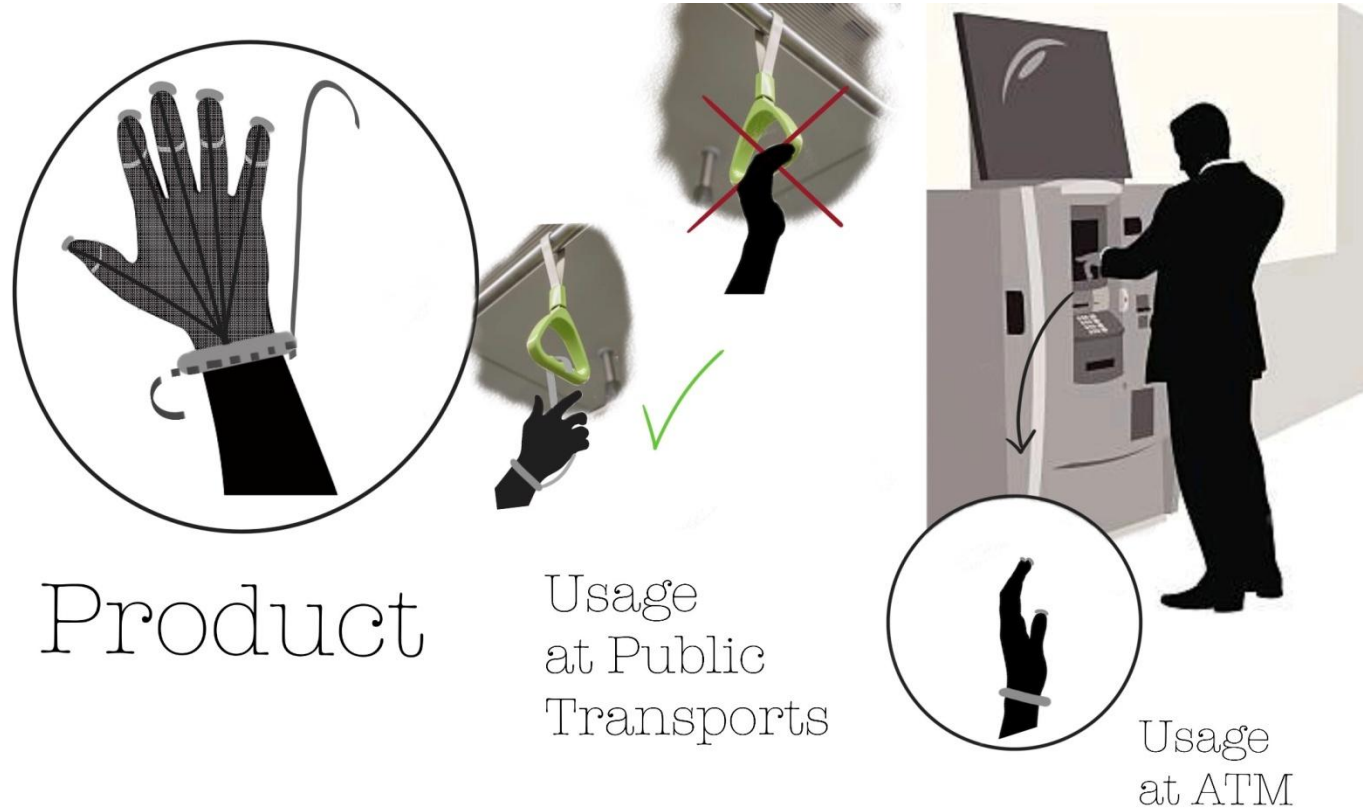
'Handled Glove' is a type of glove that provides different usages. It is not only a glove out of fabric, but also a functional tool. It aims to prevent user contact with everyday life materials.

The product is comprised of fabric, plastic rings, fingertip buttons and a wristlet which keeps a hook in it.

This tool is itself a sanitizer. Thus, it does not need to be discarded. It is safe for using again and again. Users can easily take the fabric apart from the wristlet and wash.

Handled Glove

Multifunctional Protective Glove for Covid19





Özlem ŞAHİN

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"Three Fingered Gloves" are to be made out of nano-technological textiles. These textiles are considered to be antibacterial and also antiviral.

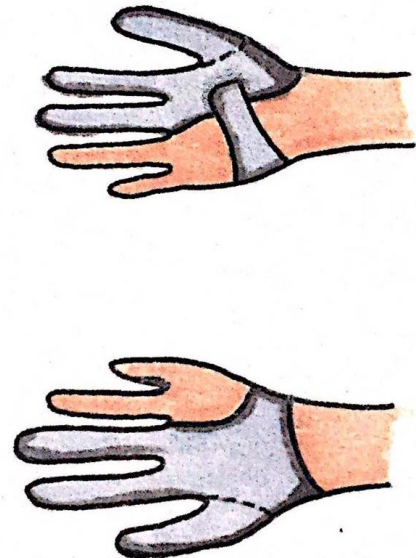
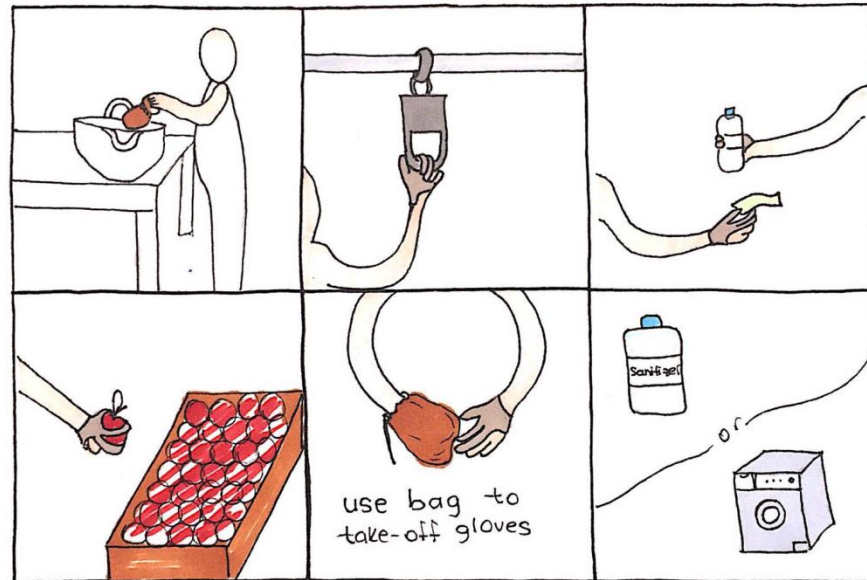
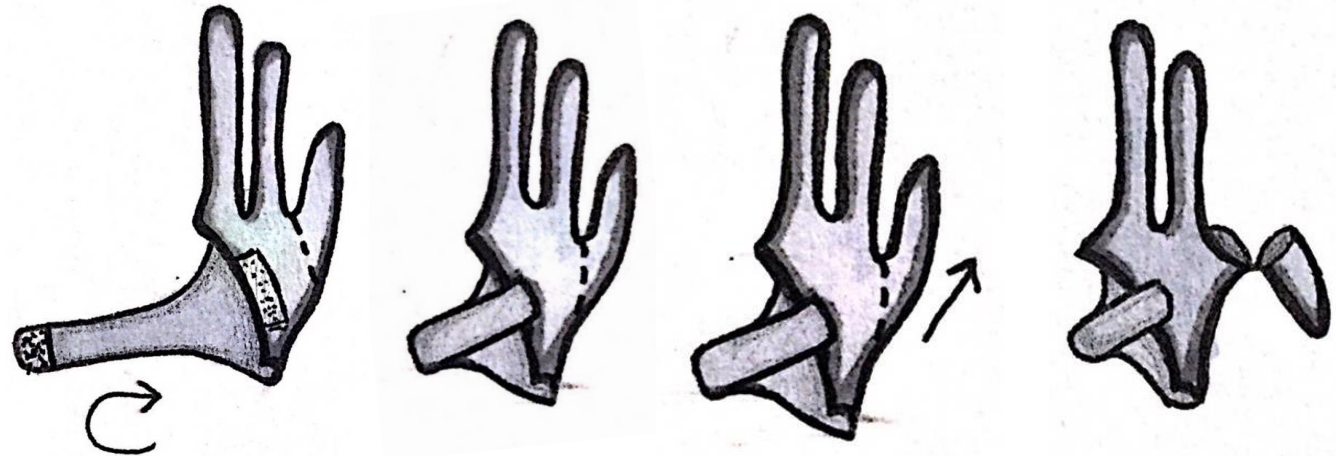
They do not cause sweating in hands because of their material and form.

They are also reusable, you can use them over and over again. However, you should wash/clean them after every use.

They also help to prevent the pollution caused by single use surgical gloves and save our planet.

Three Fingered Gloves

Protective, comfortable, and classy gloves that cover three fingers.





Yaren Şevval YILMAZ

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Stimuhand is a rechargeable mechanism, consisting of a headphone and a bracelet, designed to prevent virus transmission by hand-face contact. This mechanism, which includes sensors that detect distance in the headphone and bracelet, aims to control the movement of the hand. If the hand approaches the face, it warns the user through sound and vibration.

It can be used by anyone who wants to avoid hand-face contact in all areas where there is a risk of virus.

STIMUHAND

Bracelet and headphones that prevent hand-face contact for Covid-19



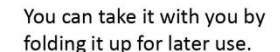
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Isotouch can also be used to easily carry many bags after the end of the covid-19 outbreak.

Tool that prevents getting coronavirus through contact





Utku Aydın

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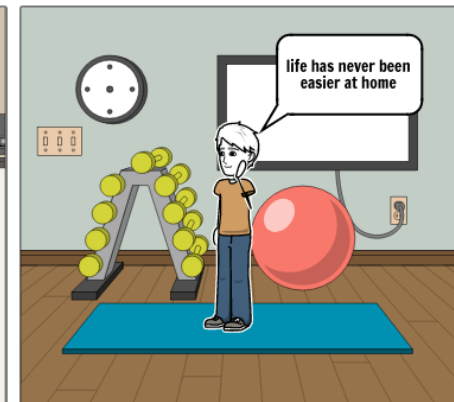
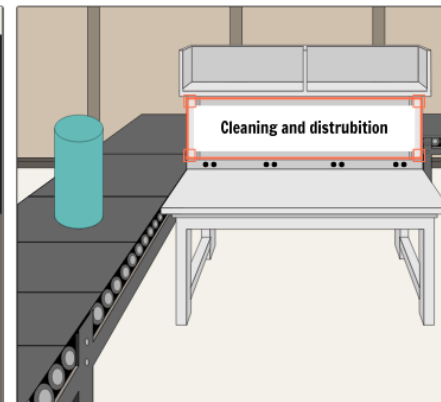
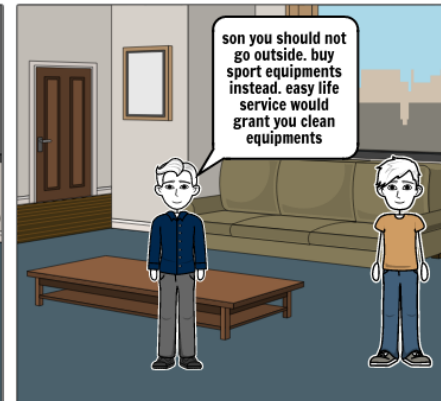
Easy life service is a country-wide cargo exchange and selling system that combines all sales and buys in one service. The aim of this service is to clean up and check the products to provide safer trade.

Products are get together in city depots and get sterilized. After control operations are over they are being sent to buyers by sterilized vehicles.

Hand to hand and human to product contacts are minimized.

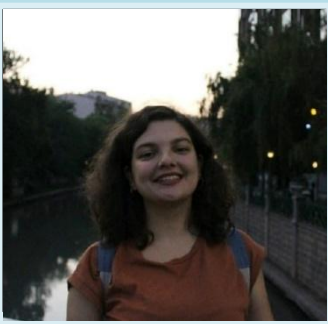
EASY LIFE SERVICE

The service that makes sure your product is clean and safe



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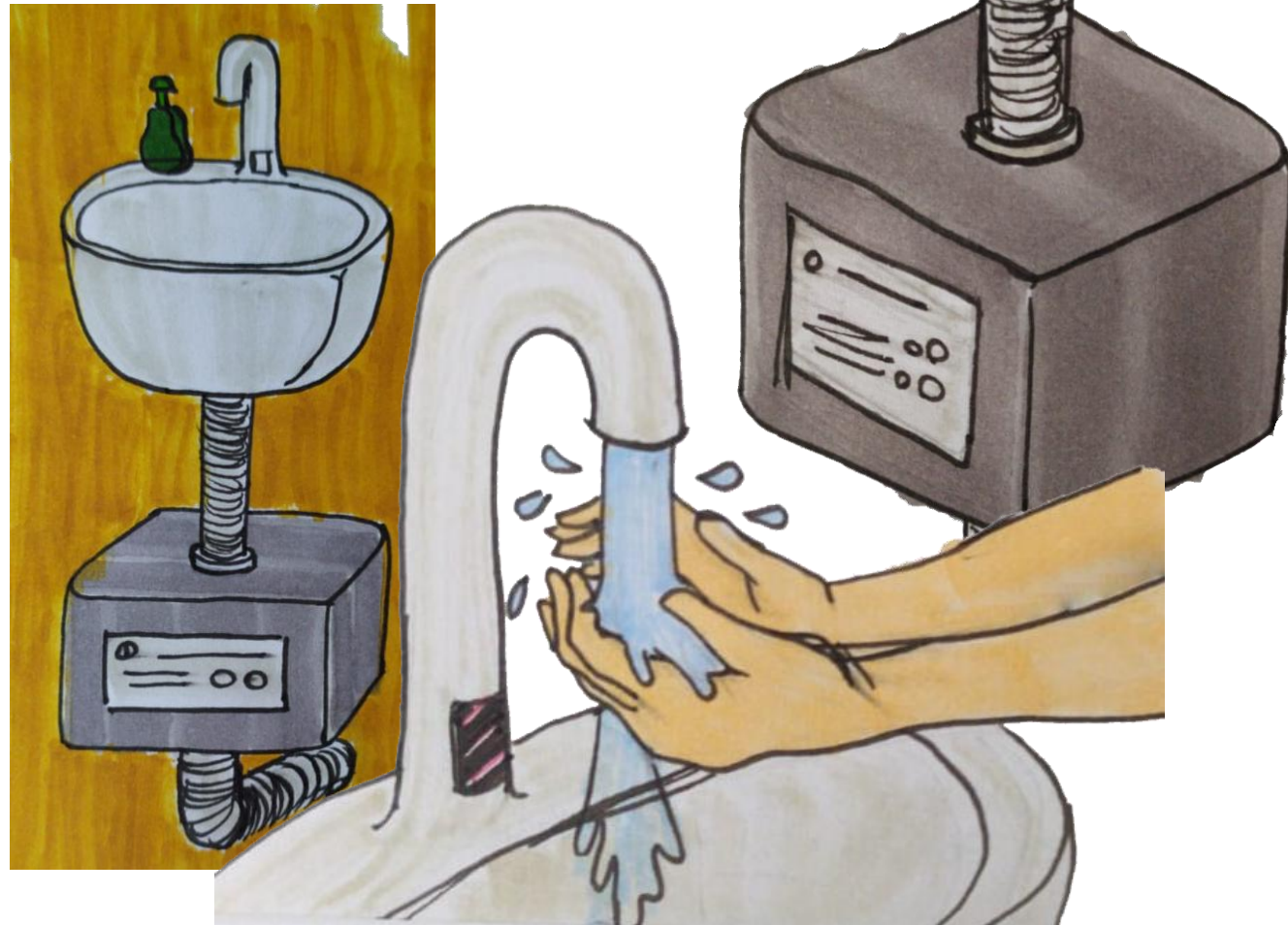
Sevinç SAYAR

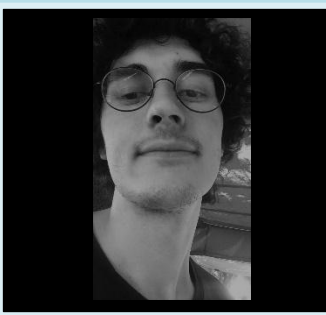
sayarse18@itu.edu.tr

The 'Washtest' mechanism detects and measures the coronavirus in the water you use after it goes in your sink. The used water goes into the mechanism by the pipes and the washtest starts taking some water and detects if there is coronavirus in the water we use or not. It can be used in homes or outside. Thanks to this product, people will not have to panic about if there is coronavirus on their hands, their food, the products that come from outside. Therefore they will not use cologne, etc. on everything; only when it is needed.

WASHTEST

Detects the coronavirus in the water we use





Zeynel ACAR

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GAC is a tool for to keep people away. It is so simple for to you wear it and never worry about the social distancing again.

It is easy to wear. It does not make you hot. It is easy to move inside. Flexible and foldable. Also cheap and available. Would not restrict your motion in everyday life.

GetAwayCone(GAC)

A hat to keep people away with a modification





Yasemin GÜRASLAN

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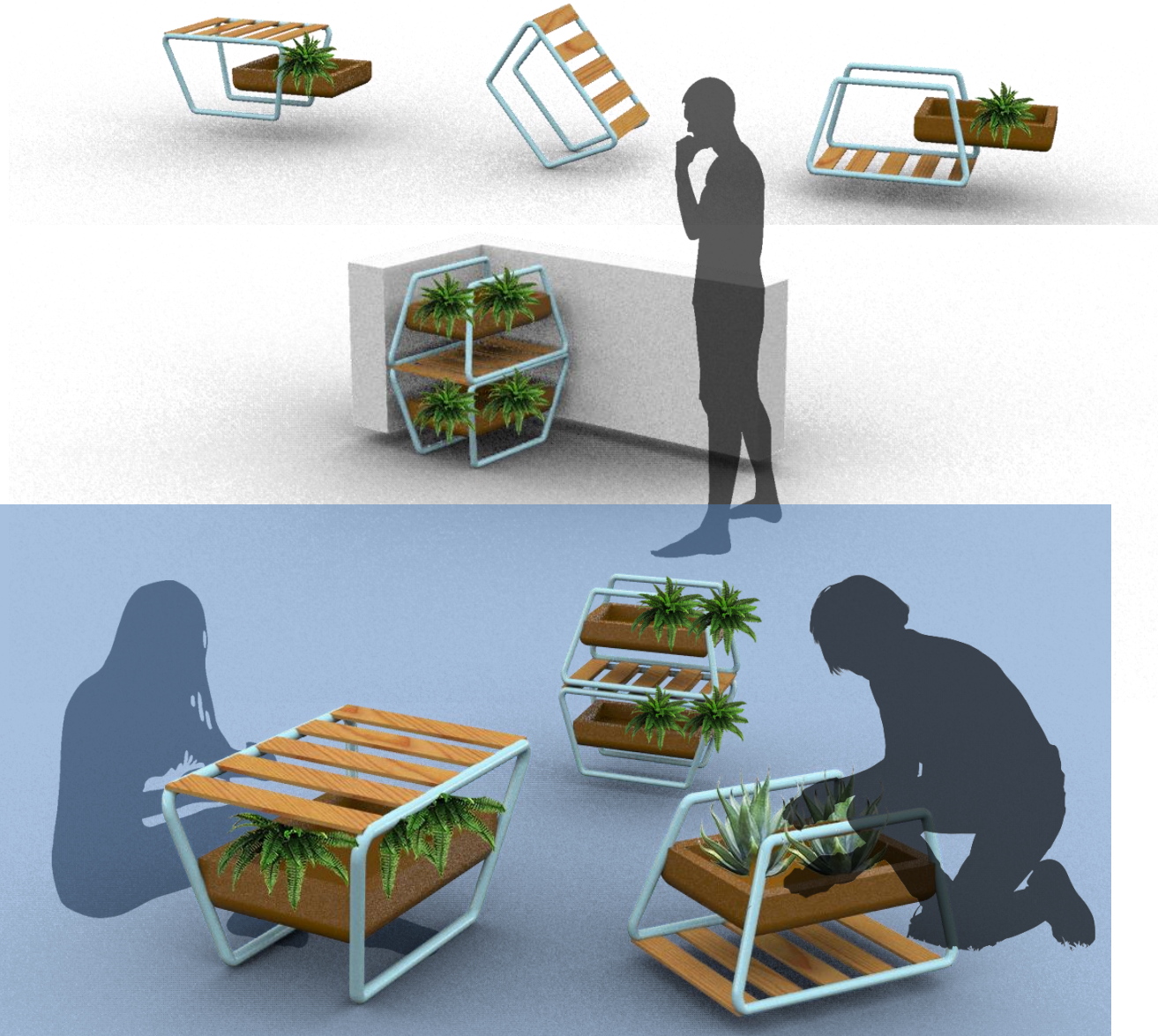
Planty is designed for people who need 'being outside, going out' feeling in their balconies. To achieve that, Planty offers a design that can be used as both a pot and a table.

The design aims to bringing people closer to nature and try to give feeling of making a picnic to users, in their balconies.

Planty can be used in situations in which people can not leave their houses and need to have fun and connect with nature during different times of confinement.

Planty

A pot that can be used as both pot and table for balconies.



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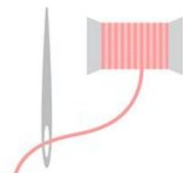
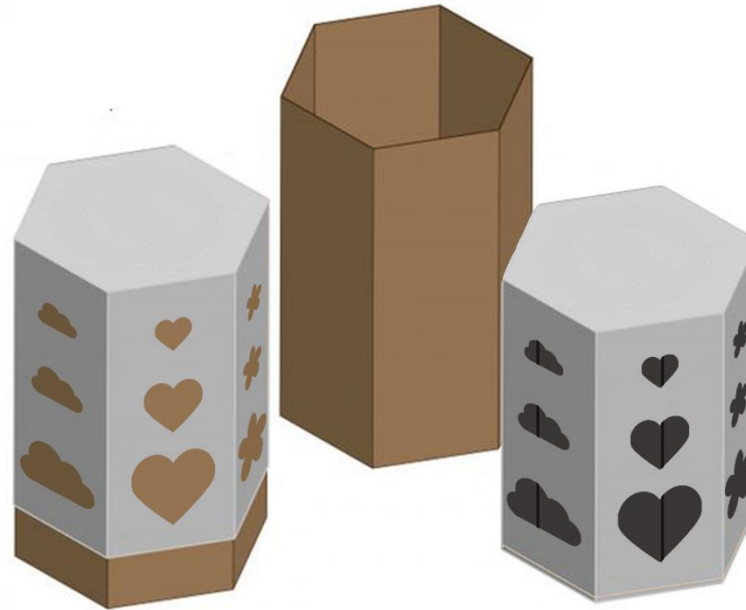


Ilayda Ozgul

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MasKit

DIY Mask Kit for After Covid19



Needle and
thread



Ruler



Fabric
pen



White fabric



Fabric with
buckle

A reusable and adjustable DIY mask kit to motivate children to use masks. The kit also enables attachment between children and parents within a DIY activity, due to the increasing internet use during a pandemic that separates family members apart. It includes 30x20cm %100 cotton fabric, paper ruler, needle, thread, fabric paint pens, buckle with fabric and patterns at the top part of the box which will be ready to use when top part of the box is unfolded. Fabric will be painted by child with fabric paint pens and preferably with patterns. Parent will sew the painted fabric by following the instructions.



Güneş HARPUTLU

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It is a system that generates electricity. Thanks to the potential energy of people in quarantine houses.

This system will allow the house to generate its own electricity and it will make the people self-sufficient in terms of energy use.

Additionally, people who exercise will also be able to produce electricity that will make them feel better both physically and mentally.

FITNESSYSTEM

Electricity system that works with human energy



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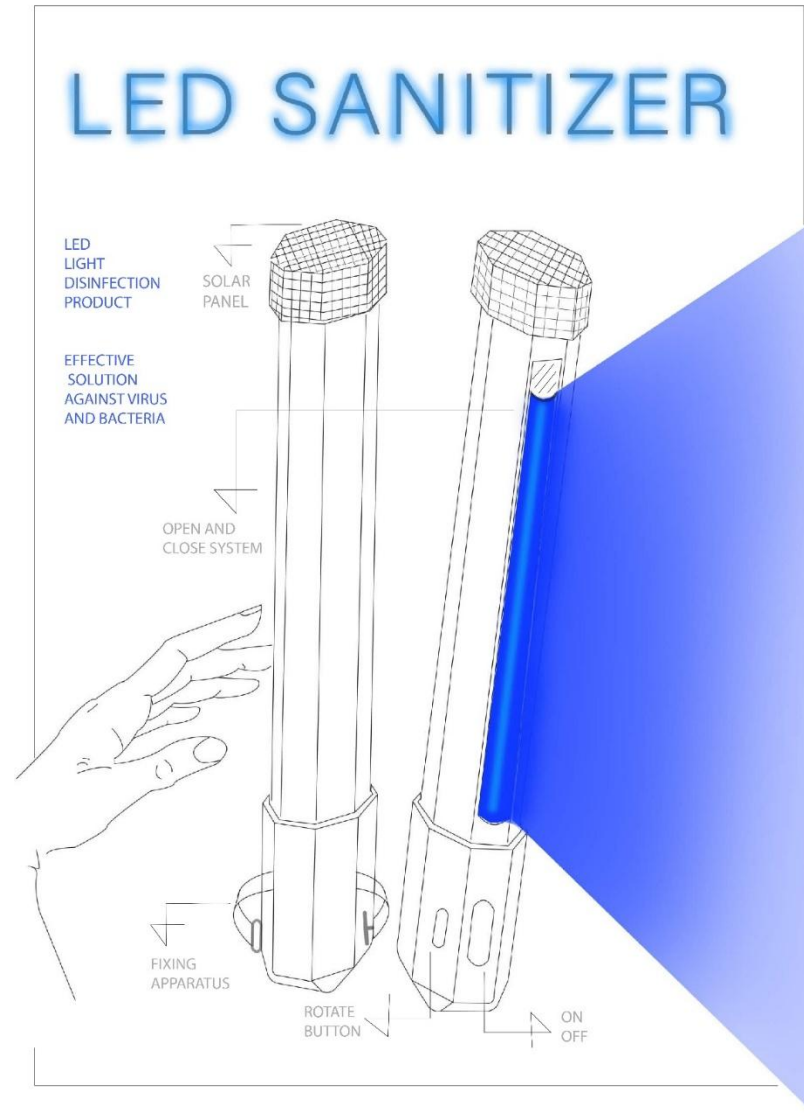
Dilara YEŞİLGÜL

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Led sanitizer is a product to be used for personal space disinfection of users in the workplaces after Covid-19. Thanks to its suitable size for carrying and adaptability to the environment. UV led technology is a very effective technology in eliminating viruses and it is important to increase its usability in daily life. **Led sanitizer** can be used by directing the target area with the help of hand or fixing it to a surface with fixing apparatus. The led light output is from a limited area and the rotating head feature allows field control.

LED SANITIZER

Led Light Disinfection Product For Personal Workspaces





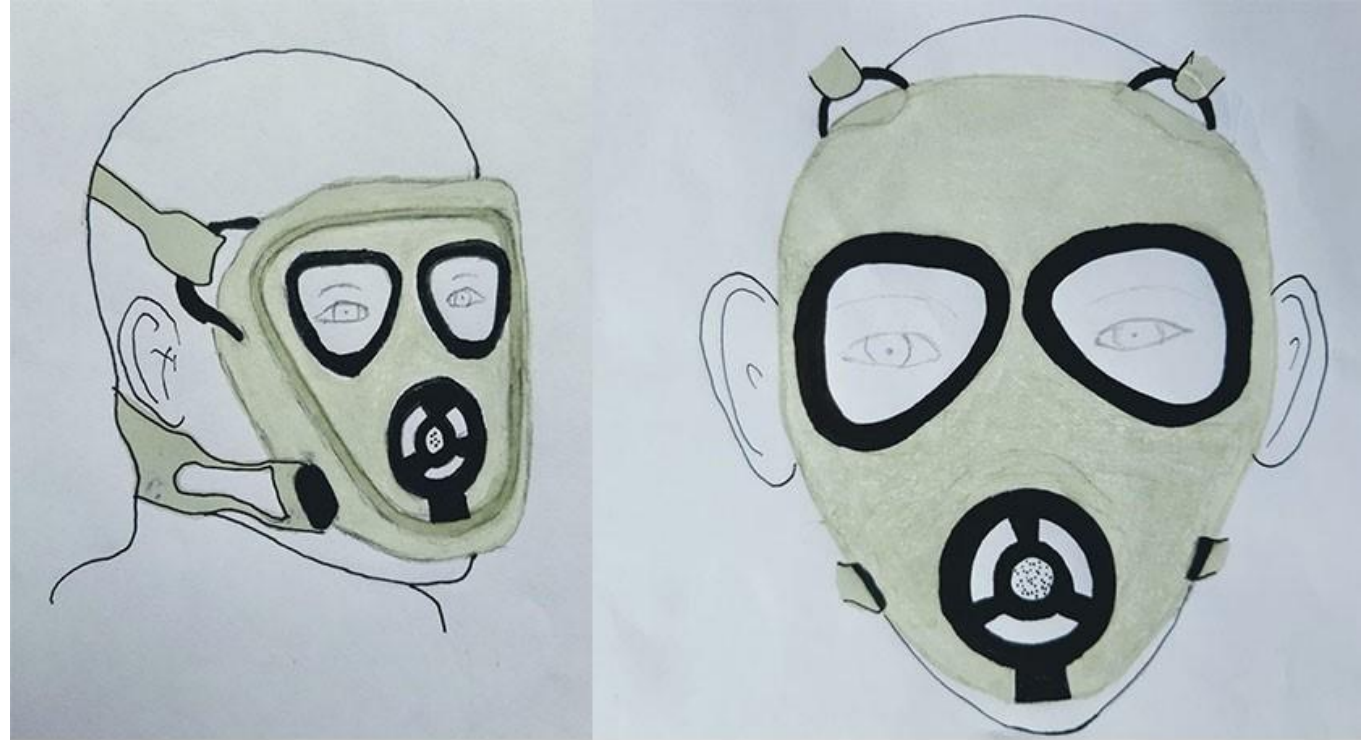
Gönül MATUR

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Airin prevents the spread of Covid19 by air. With the filter covering the mouth and nose, fresh air goes into the mask. In this way, short of breath is prevented. Therefore, problems such as sweating and itching does not occur.

AIRIN

Respiratory Mask with filter that prevents the spread of Covid19





Ecem PEÇİN

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The Mask-on is a mask with a built in filter and a distance sensor. It is designed for mainly health workers and people who has to go out during the pandemic. It is used like a normal mask except it is designed for every individual uniquely. For maximum safety masks should cover the area of nose and mouth fully. Therefore with molded plastic, the product takes the shape of the user's face and provides high safety. With the distance sensor it notifies the user to not get too close to people. It can be used in hospitals, on the streets and more.

MASK-ON

Mask with a filter and distance sensor





Mervener Hidayetoğlu

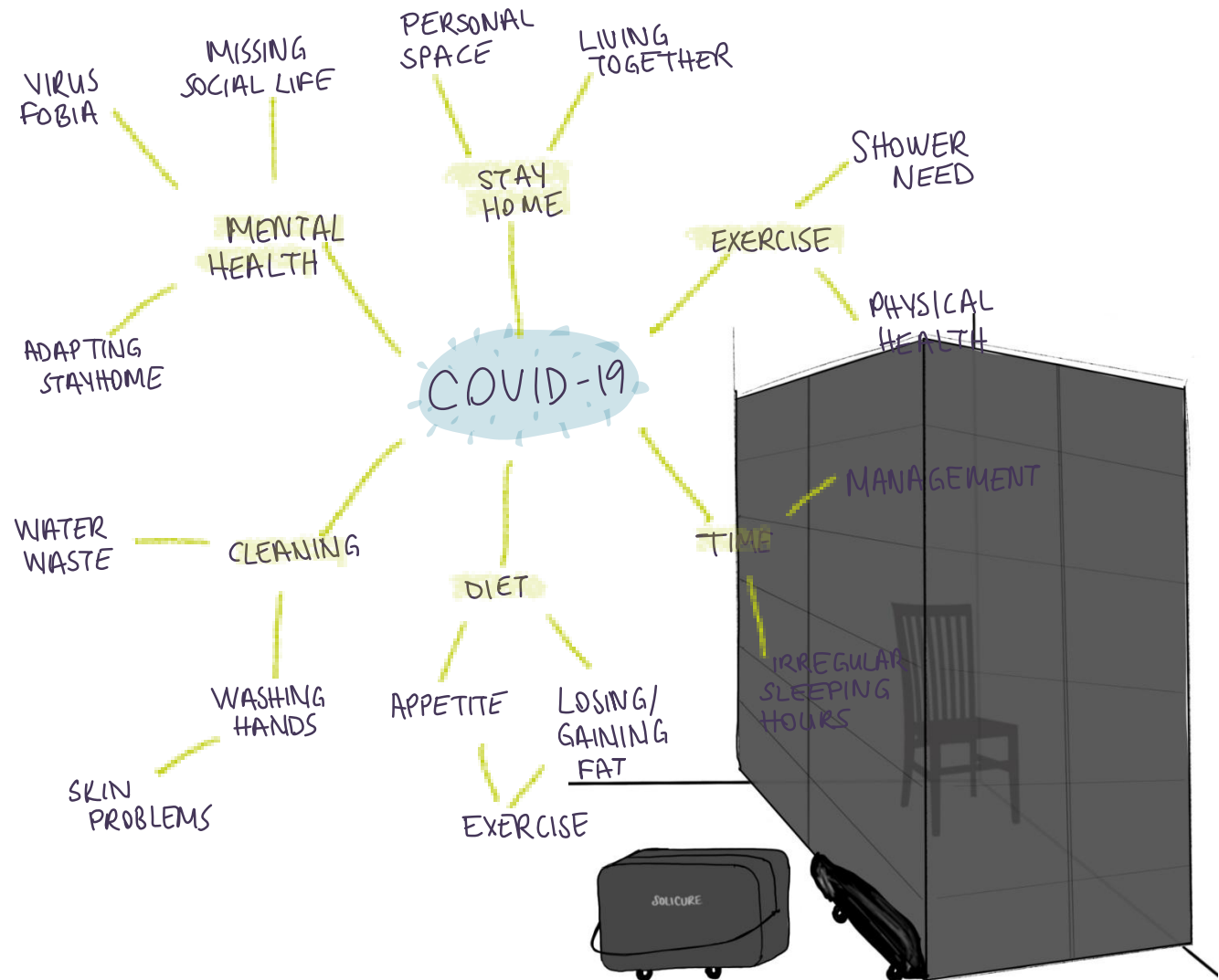
hidayetoglu18@itu.edu.tr

SOLICURE is a portable room separator which can be used for creating personal space in crowded living places. It is for the use of whom needs personal area to find peace, silence, dark and to focus inside an opposite room.

SOLICURE is marketing inside its special bag and gets ready to use with a basic setup without equipment.

SOLICURE

Portable room separator





İpek ŞİMŞEK

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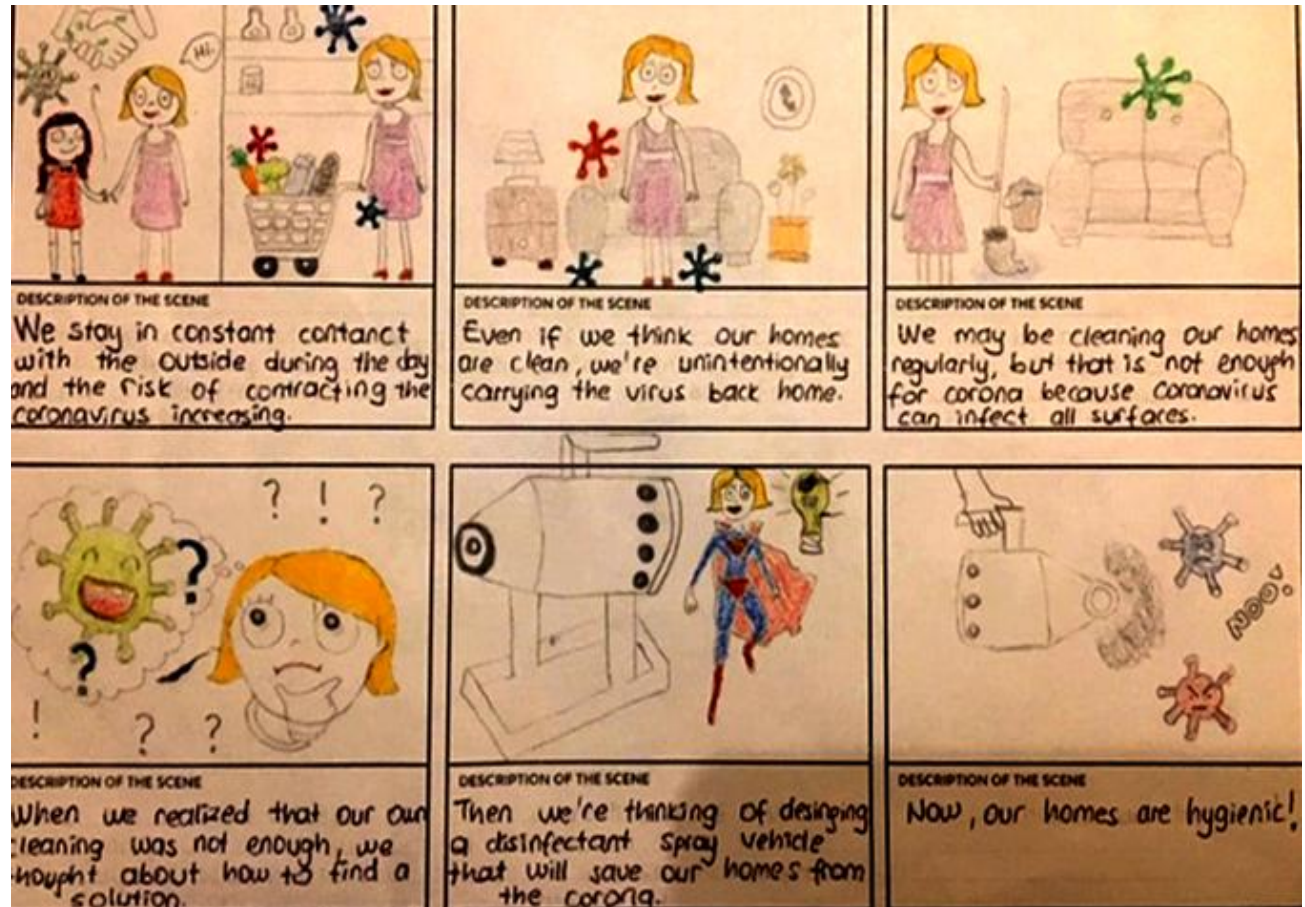
This disinfectant tool is used mainly in homes, workplaces and other indoor areas where cleaning is insufficient.

It works with electricity and, thanks to its perforated tip, cleans the disinfectant placed in its inner chamber by spraying and steaming, eliminating bacteria and viruses.

It is very comfortable to use, ergonomic and easy to use for everyone. Just insert the disinfectant into it and click the button to activate it.

Disinfectant Sweeper

Disinfectant spray tool with built in electric for houses





Ece Yalim

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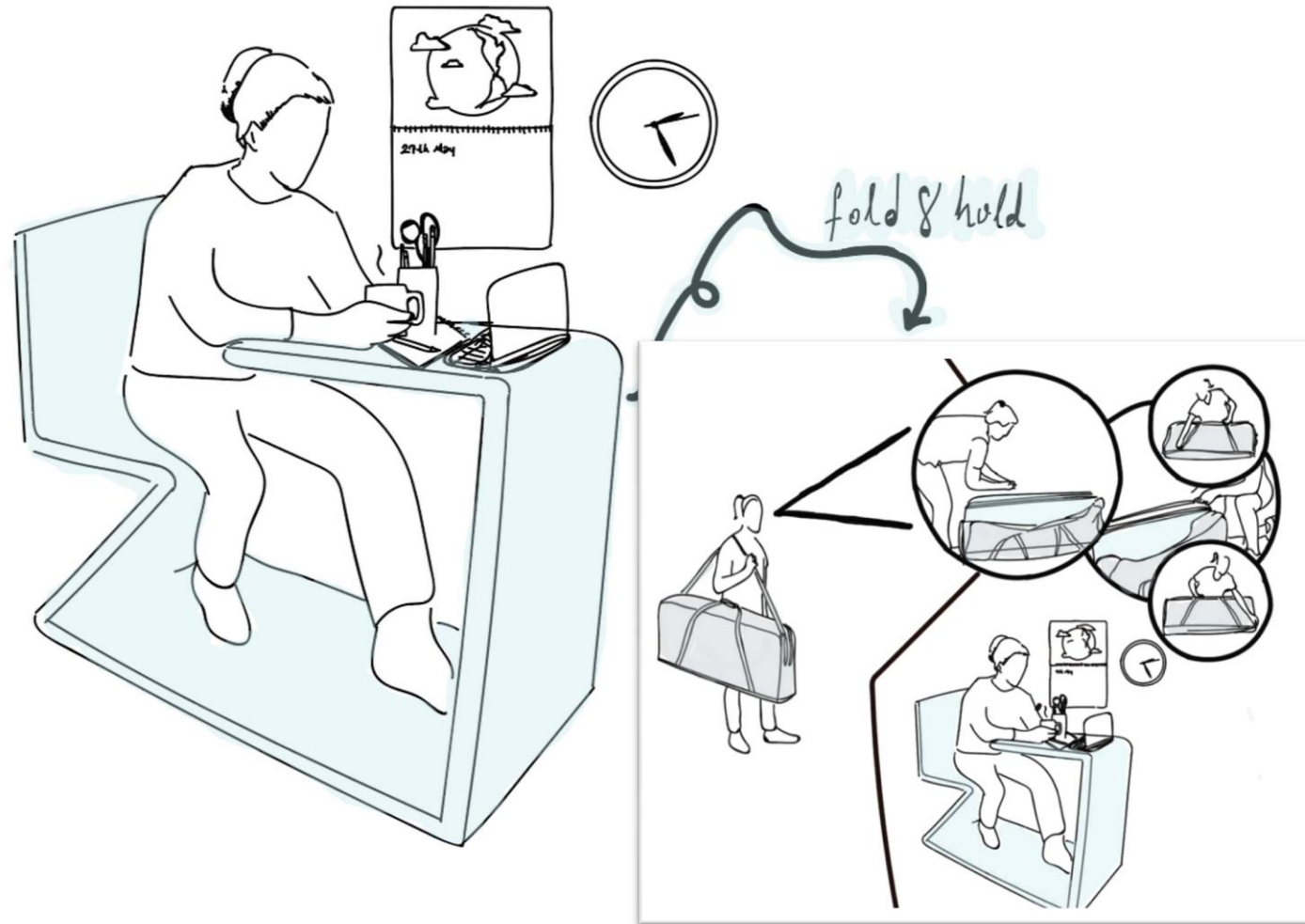
'**DOITA**' is a compact study area for the users who spend most of the time working and sitting in quarantine. It is intended for the mental and physical well being in quarantine.

The user can easily **FOLD&HOLD** the study area. Any area of your house easily transforms into working space! **DOITA** can use both **INDOOR AND OUTDOOR!**

It **CREATES A PERSONAL STUDY AREA** for users who don't have their own study rooms to focus during quarantine.

DOITA

A compact and foldable study area





M. Berkay Özyurt

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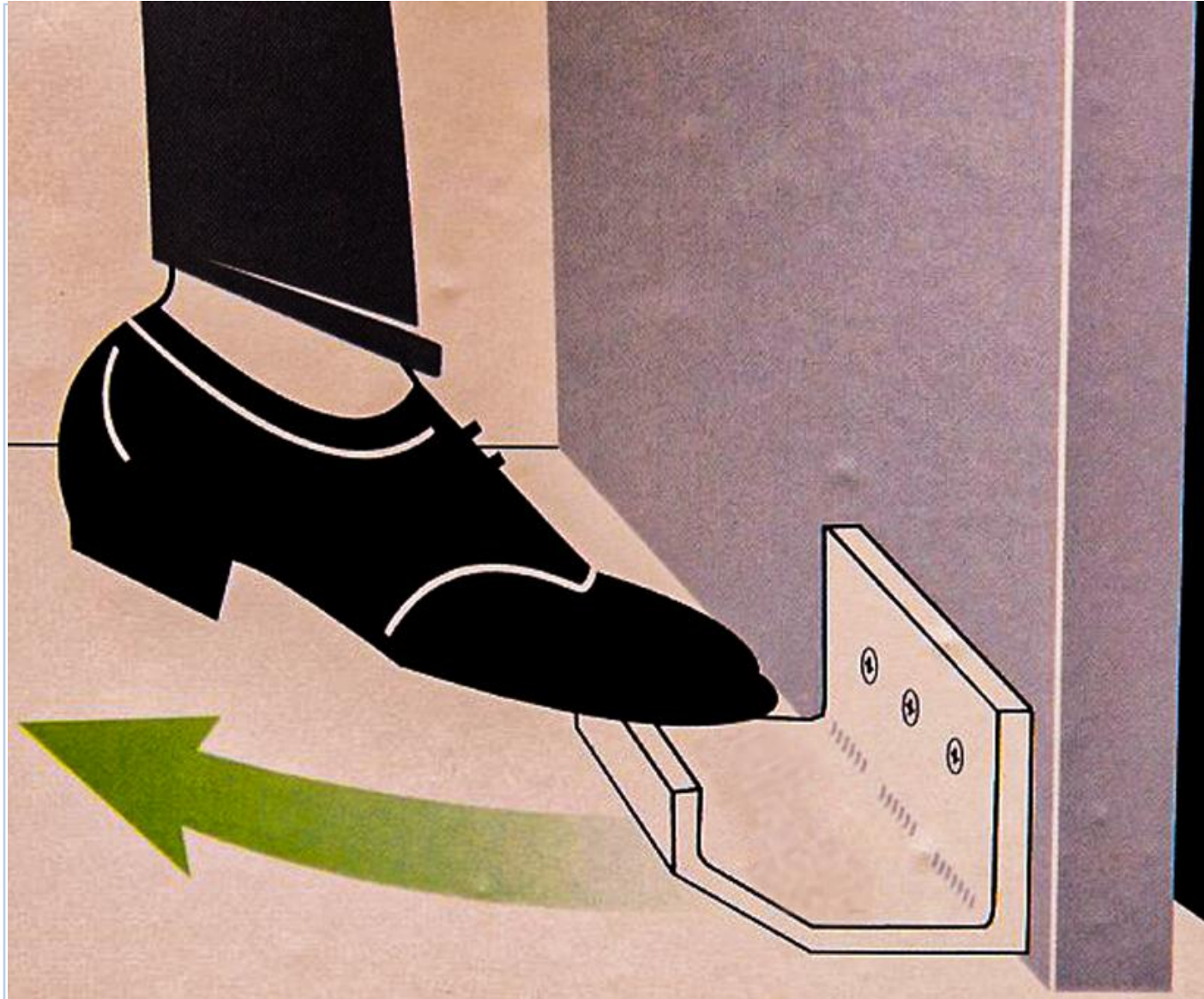
This product is a new type of door handle that one needs to use his/her foot.

Covid-19 is spread by contact of surfaces mostly, so people could get infected from door handles in public areas.

The virus needs to reach the nose, mouth or eyes to invade the human body mostly, that's why I chose to operate with the foot which disables the interaction with hands for opening doors.

Footle

A door handle operated by foot



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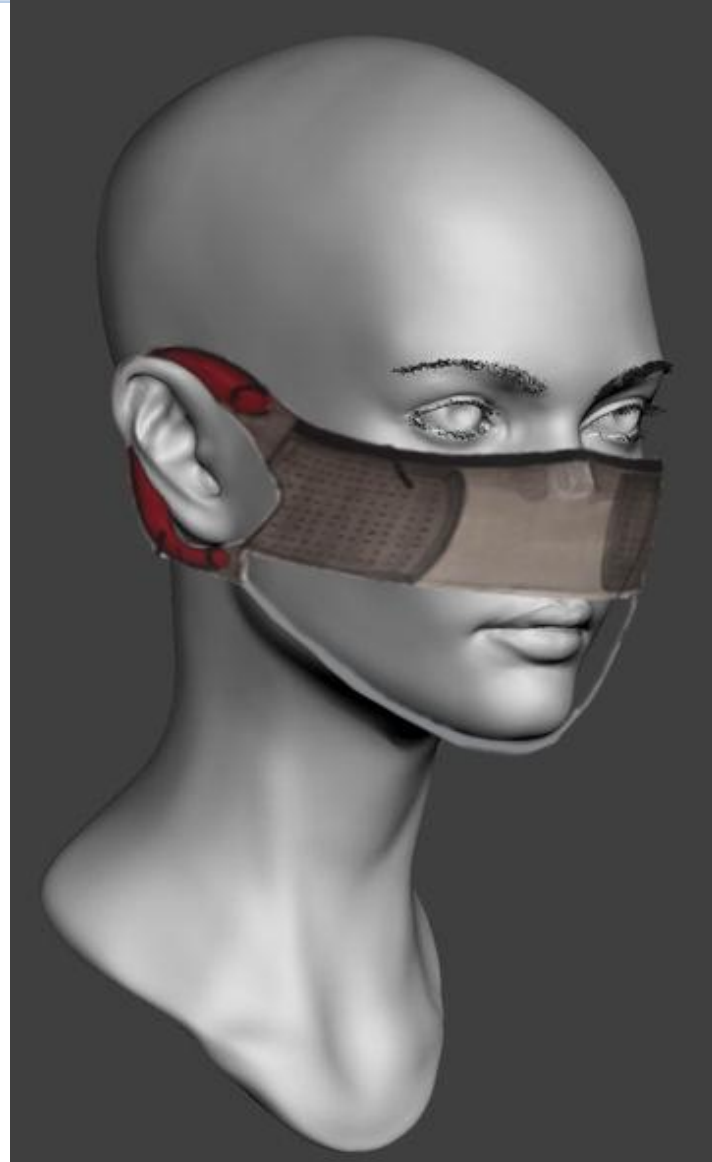
Pinar GÜLTEKİN

gultekinp18@itu.edu.tr

'Easybreath' is actually designed for people with shortness of breath due to the corona virus, but uninfected people can also use it. This mask has an air filtration system with multiple layers. It is designed for outdoor use or isolated use at home. The mask was designed by making it easier to use. Users can adjust some parts of the mask according to their facial size and shape and make the product more convenient and secure. In short, 'easybreath' is a mask design that is more adapted to daily life.

Easybreath

Mask with an air filtration system





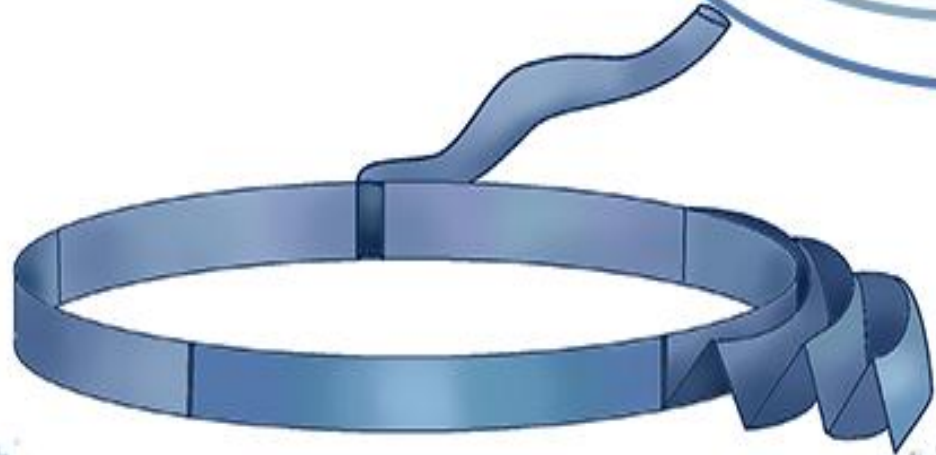
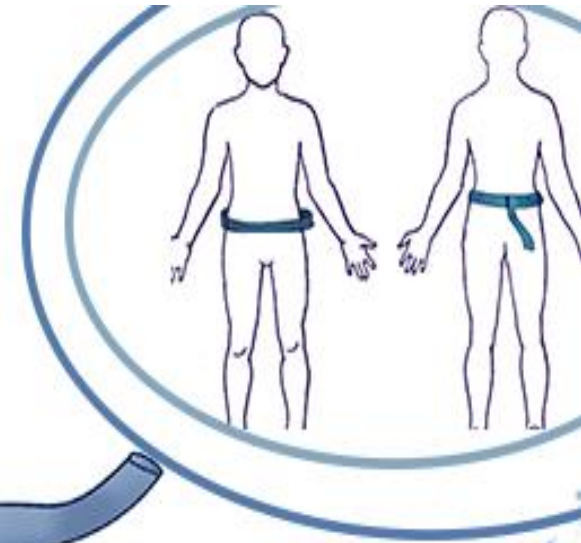
Doğa Oğuz

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SDS, the social distance saver can be useful for people who have difficulty maintaining the social distance that we need.

Cargo workers and cashiers or other public workers can use this product. The SDS has a system that can be adjusted to each waist, just like the seatbelts on an aircraft. This arch consists of 5 sections. These sections can be extended separately. The lengthening is to provide ease of use during the day. This belt, which extends like an accordion can be manually rotated back to normal at any time.

SDS(SOCIAL DISTANCE SAVER)





Murat Can ER

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Mascheremento is basically a 3-part mask, developed to prevent the inhalation of molecules of 2 microns or more in diameter from the air. Elastic fabric and main frame that can be washed and replaced at the front is attached to the main frame.

Thanks to its fabric and skeleton that can be changed in desired colors and its high cost reliable filter. It has a long-lasting use and can be used in everyday conditions. It has one-way air channels that is made for intense and extremely intense environments.

MASCHEREMENTO

Mask with replaceable and washable fabric for Covid 19

ergonomic design

replaceable activated
carbon filter

front protector providing
unidirectional air outlet with
color change and washable

main frame made of
nano material





Zeynep Nihal ŞAMAT
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This product allows people to always disinfect their hands. When people use this product, it is not a problem for them to think about taking hand sanitizers with them. This product is mostly available to people who actively spend their lives outside. This covers the employee population and the student population. People can use it in public transport such as buses, subway; school, workplace, dining hall, market, etc. can use this product everywhere. Briefly, it can be said in places where it is not possible to wash their hands.

GEZENFEKTAN

A wallet which has a hand sanitizer compartment





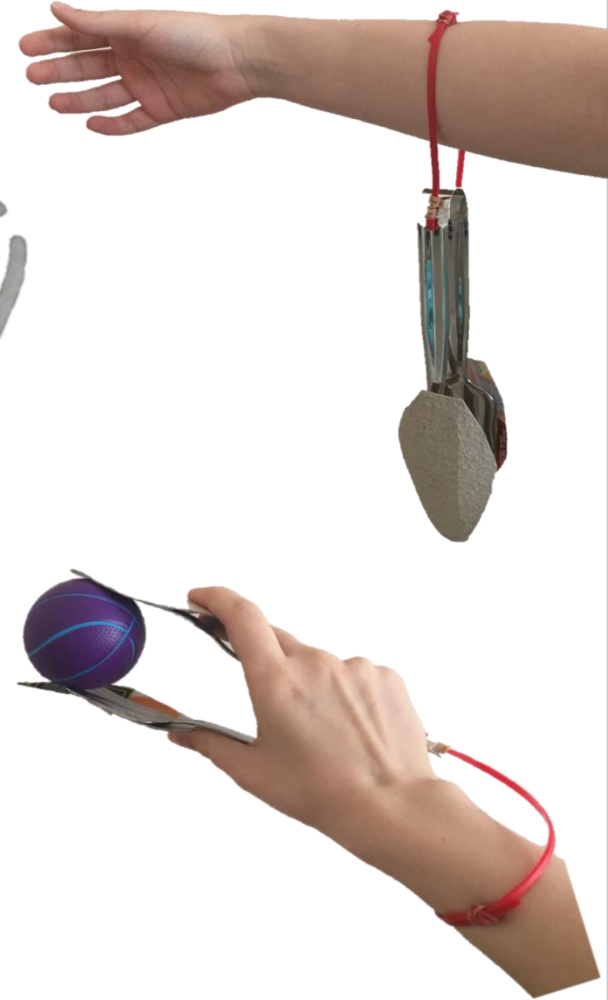
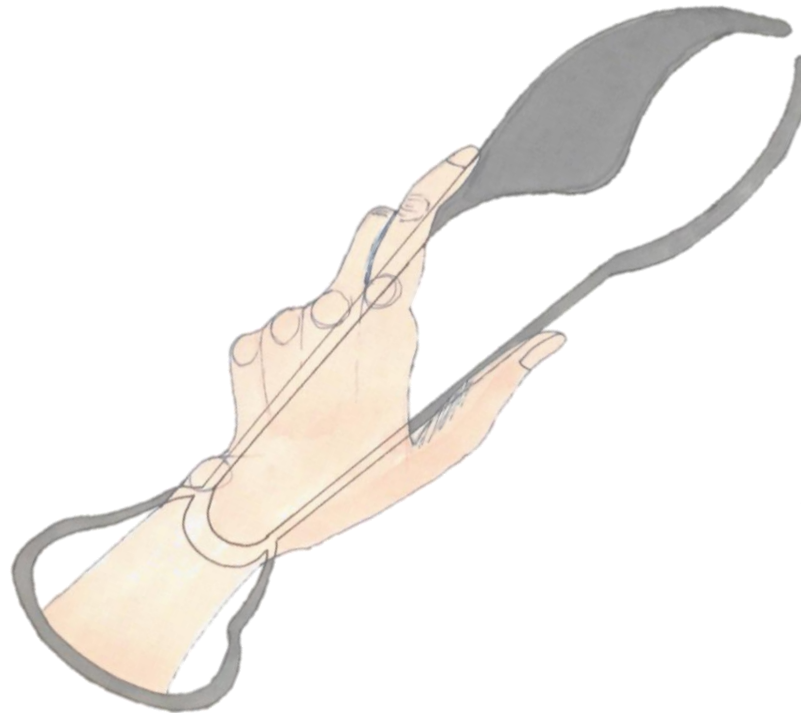
Işıl KIRBIYIK

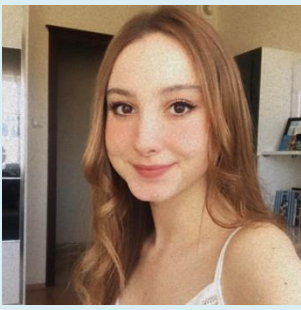
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'Handy Crab' is designed as an alternative to medical gloves. It is an environmentally friendly product, as it can be used many times and can be disinfected. It is designed by combining the ability of crabs to grasp a form that people are used to from daily life. Thus, people do not have difficulty using the product and can easily grasp even small details. Thanks to the bracelet, the person does not touch viruses and bacteria on the surfaces that should be hygienic, by leaving the product hanging on their arms.

HANDY CRAB

An environmentally friendly alternative to medical gloves





Selen VARDARLI

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Water and Grain Shopping Automat is a new generation dispenser. In addition to a more hygienic shopping, it tries to minimize the use of plastic.

The automat, which can be found in various places such as metro stations, supermarket or university corridors, are compatible with university, credit or local transportation cards. Simply read the card and select the product and then bring your water bottle or storage container under the sensor.

Unpackaged Product Automat

Point of purchase of unpackaged products



LIFE AFTER COVID19: Design for Safety, Health and Well Being – spring 2020

ISTANBUL TECHNICAL UNIVERSITY, DEPARTMENT OF INDUSTRIAL PRODUCT DESIGN – EUT128E DESIGN THEORIES AND METHODS



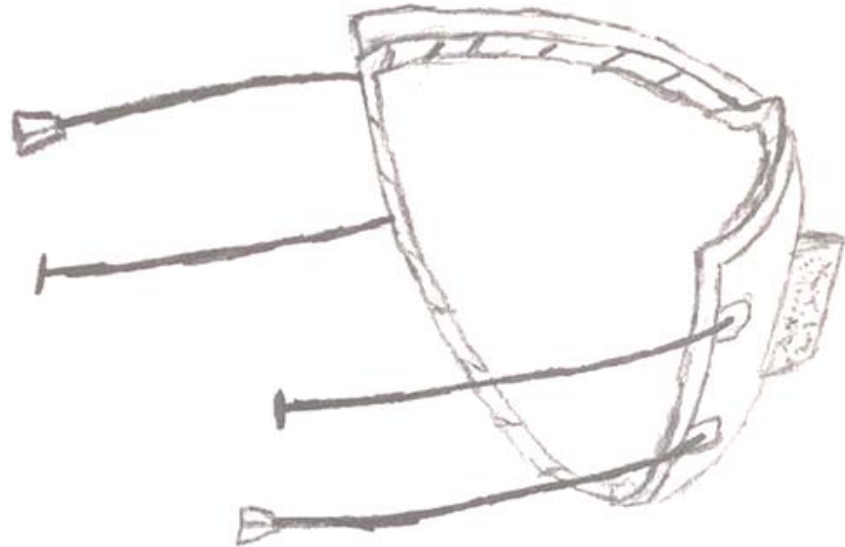
Ozan Deniz ÇATAL

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The silicones on the inner side of the mask will not leak air from the top and sides. Thanks to the tablet types in it, we will feel spacious and clean. It is aimed to make this more comfortable under difficult working conditions. The goal is long-term use. It is indispensable for the options that use glasses, since the misting will prevent the problem.

STEAMELL

Mask to provide comfort to people





Büşra AKATA

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After the quarantine period of new COV-19 we should learn living with the pandemic life and should not stop taking precautions, but at the same time we need to keep going live our lives also. According to observations, markets and walking paths are still in danger in terms of virus spread, so the application offers to see people density where people want to go. It also gives people want to go to market a queue number in nearby places to prevent to occur chaos in front of markets. App also includes ministry approved news for accurate information.

APPANDEMIC

A mobile application to go outside

ADAPTING TO THE QUARANTINE

WHAT?

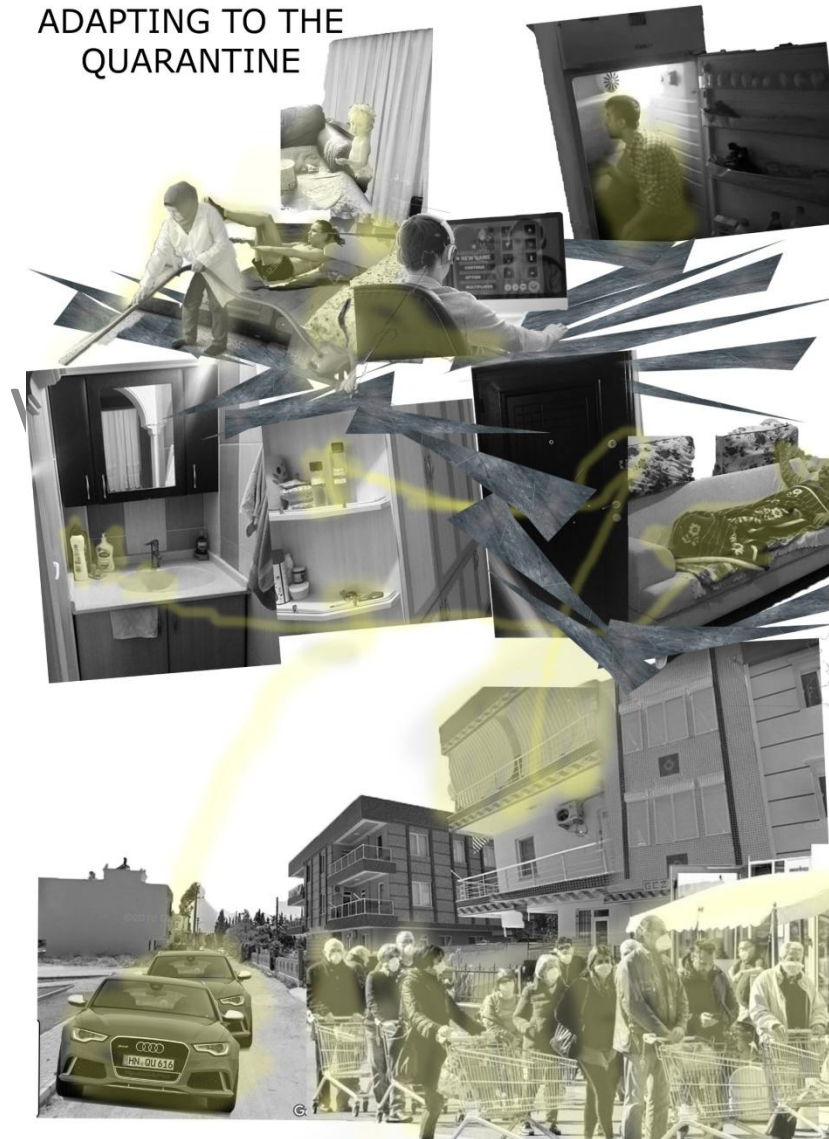
Whole social activities

WHO?

Healthcare professionals and patients
supermarket employees
Bakers
Suppliers
People who have a curfew
public

WHERE?

Hospitals, bakeries, markets



HOW?

It is possible to focus on people density in social places

WHY?

Because people are afraid of, panic has appeared due to not planned progress. The psychological side of the issue is missing

WHEN?

At peak times of the day, in the evenings, and when the curfew was brought, the streets were full.



İrem ASLAN

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This application called "hedesy" helps us in the days when the epidemic restricts and changes our daily life. A useful food and beverage application for those looking for diversity, always stuck in the same routine with limited ingredients. Thanks to Hedesy, you can prepare different and various food and beverages with the ingredients you have, shorten the decision-making phase and gain time for yourself. Downloading the application on the phone and writing the ingredients you have is enough to see various, different and healthy recipes.

HEDESY

An application which helps stay healthy with different recipes





Bedirhan ÇAKIROĞLU

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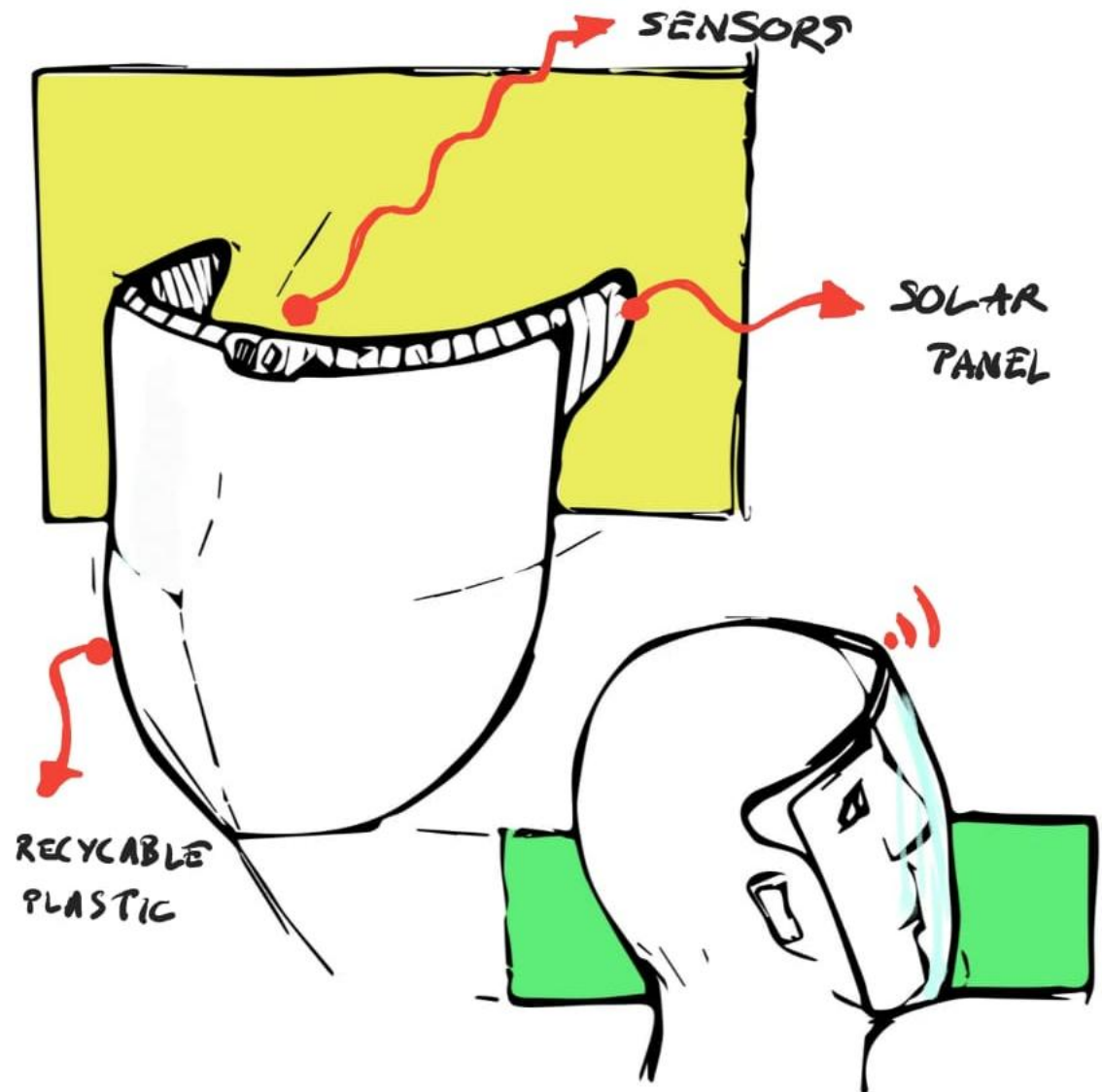
This mask is made for avoiding air-borne diseases such as Covid19. Contagious people are the target user group of the mask. They only put the mask on their face then protect the other people from being infected by airwise virusses.

This mask is made of %100 recycable plastic material which makes it flexible, washable and transparent.

It has no straps so it can be weared easily and also it becomes more comfy under favour of increased contact areas.

CO-Mask

A smart, recycable, sensor fitted mask built for air-borne diseases





İrem Nur BALKAN

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The 'NON-CONTACT' concept will be applied to elevators in all public living spaces fighting the COVID 19 virus. With a simple mobile phone application required by the design, they can easily call the elevator from their phones or smart watches and reach the floor they want in a short time without contact. When we consider the widespread use of elevators and the sensitivity of contact in this process, it can be used continuously to avoid contact in the long term.

Non-Contact

A new generation elevator during and after COVID19





Alp Can ERSÖZ

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With this application, it is aimed to ensure that the elderly who can not get out of their homes and children or people who can not go out in curfews or confinements will meet their needs by minimizing the possibility of contacting the virus.

SAFETY SHOPPING APPLICATION

A mobile application to meet personal needs



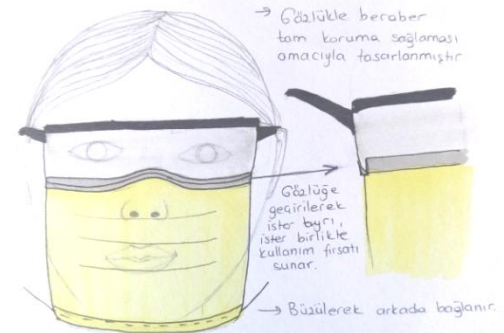
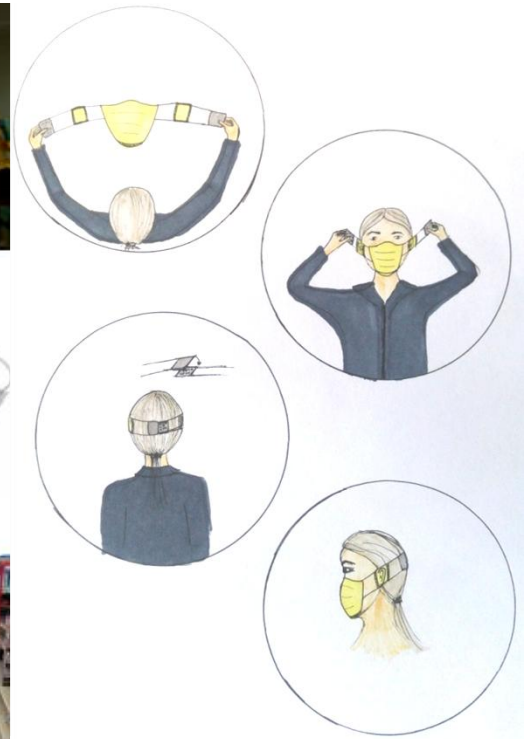
EAR+

Protective mask for healthcare workers

Bengisu AKIN

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Ear+ is a mask designed to increase the protection area and prevent mask pollution, especially for the use of healthcare workers during the epidemic. An adjustable filter zone is made for the ear. A thin sponge has been added to the upper area for the steam problem that occurs during use with glasses in normal medical masks. Especially for the behind-the-ear irritation problems, the back is combined with velcro. It is aimed to prevent pollution with its washable feature.





Dilşad MERHAN

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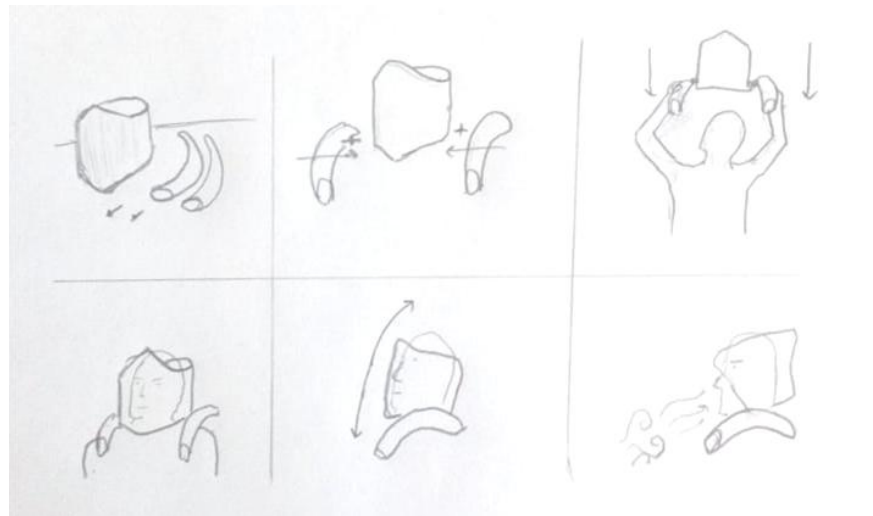
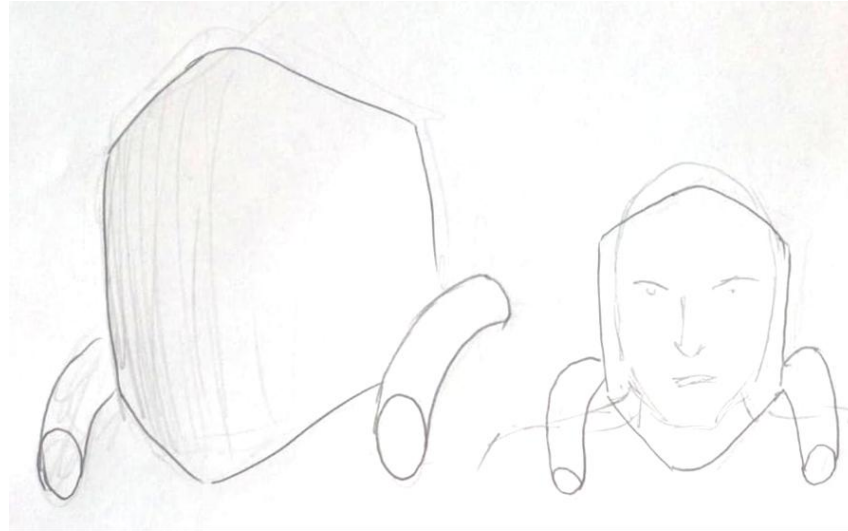
CASEY is a face protector with supporters designed for pandemic situation. Easy to use and feel relaxer than casual mask. It can be separated and combined again easily. CASEY could be used by anyone except under 5 years old children due to shoulder width problem.

Users basically combine 3 parts of product, hitch 2 supporters to main protector part and wear from their head. Supporters help to stay upright.

Although CASEY is a cheap product to make, could be provided by governments or companies easilly.

CASEY

Portable, Comfortable Face Protector





Müge YILMAZ

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SHAPE UP is a sports furniture that offers different functions for performing sports at home during the quarantine process. It was designed for young individuals with active sporting lives before the quarantine process. For individuals with small spaces, they can find the different functions they use in the gym on this furniture.

One of its primary goals is that it can be used for sports other than its use and does not take up extra space. With its shelves and cabinets, it offers the opportunity to house both sports items and other items desired. Other than the use of the Bar part can be used as a hanger, as well as for exercises as a barfiks task or fixed bar serves. It has an unlockable seat, which serves as a fitness chair while doing exercises and supports the exercises. At the same time, when this seat is opened, there are shelves inside and these shelves also offer the possibility to store sports equipment indoors.

In summary, **SHAPE UP** is a furniture that provides functions for exercises in the quarantine process and a furniture with shelves and eyes that can be used in the desired way when sports are not performed.

SHAPE UP

Multi-function Sports Furniture





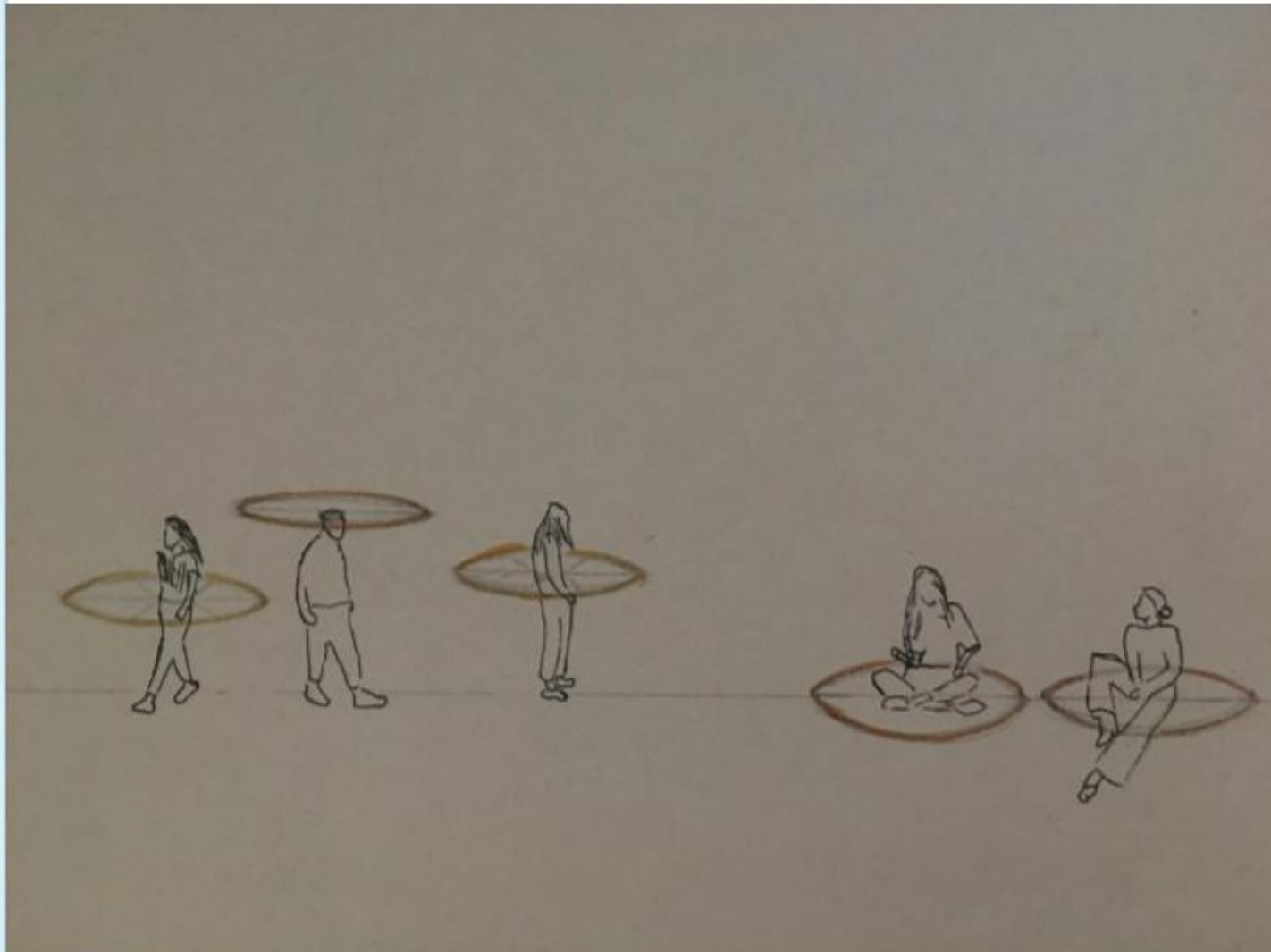
Lara ERDİR

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'Distance Hoops' are wearable hoops to maintain social distance. Since quarantine will be over soon, people will have to physically interact more eventough there still will be the chance of catching the corona virus. Distance hoops prevent standing closer than 2 metres from one another as they are designed with 1 meter radius. Distance Hoops are formed by intertwined fragments as it enables hoops to get telescoped so that it is easy to carry around and store. Besides they come with extra pieces to connect it with one's body in other words pieces that make it wearable.

DISTANCE HOOPS

Wearable hoops for maintaining social distance during Covid19 pandemic



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Covid-Guard is a body protector which is going to protect our body from outer effects.

It can be easily be worn and taken off and can be cleaned easily.

Everybody who wants to protect themselves can use this product.

Covid Guard

A body protector

