





THE FINAL



**ASUS**  
JAKE KALISZEWSKI



THE *FileDial* FOR **ASUS** IS A WASTE MANAGEMENT SYSTEM FOR THE HEAPS OF FILES WE, THE ART PRODUCING, MEDIA CONSUMING **GEN Z** LET CLUTTER UP AND SLOW DOWN OUR PERSONAL COMPUTERS.



WITH TWO DIFFERENT SOFTWARE MODES, THE **FileDial** AIMS TO INCREASE THE LIFE OF YOUR COMPUTER BY KEEPING ITS HARD DRIVE CLEAN AND ORGANIZED.



# CONCEPT VIDEO



[https://youtu.be/TOVLcd\\_4ZIU](https://youtu.be/TOVLcd_4ZIU)



THE FIRST SOFTWARE MODE, **BROWSE**, IS A FASTER  
ALTERNATIVE TO THE TRADITIONAL FILE BROWSER

The re imagined file browsing UI

A Bluetooth  
connected computer  
input device with a  
scrolling wheel and  
touch gestures

Lives on your desk on  
the left side of your  
computer

Made for creatives,  
like yourself

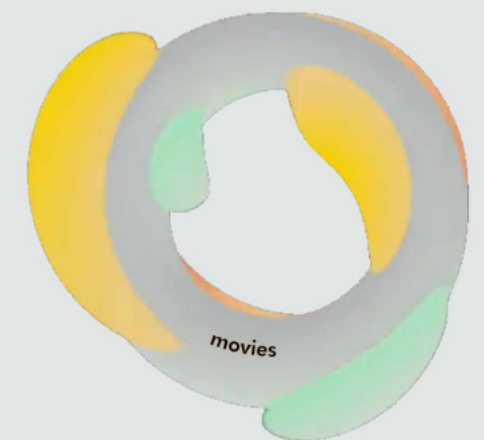
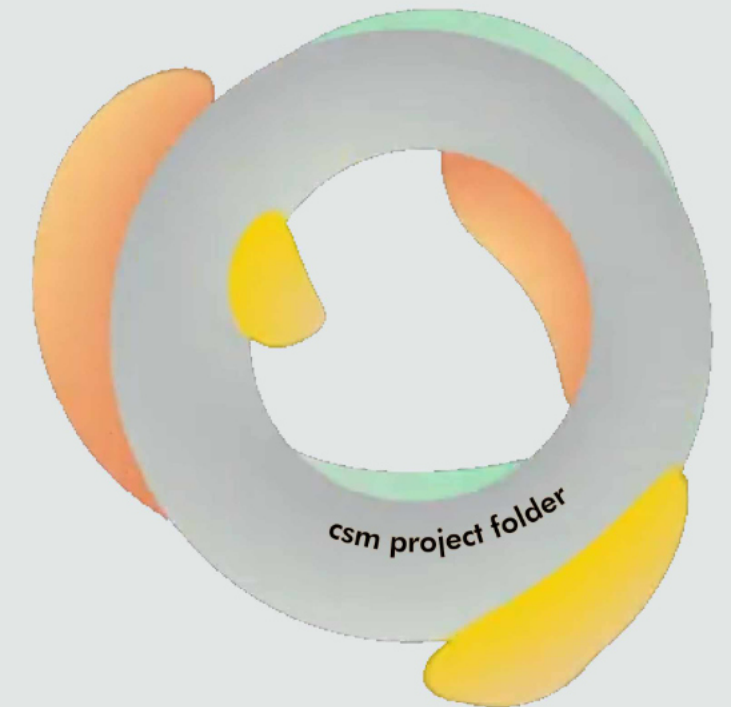
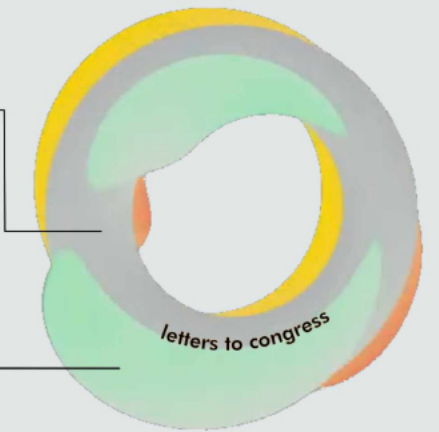




# "BROWSE" GRAPHICAL INTERFACE

THE RINGS REPRESENT "FOLDERS"

THE COLORS ON THE RINGS ARE THE COMPUTER FILES  
WHERE EACH COLOR REPRESENTS A DIFFERENT FILE TYPE



1. scroll through folders



2. open folder



3. explore the folders files

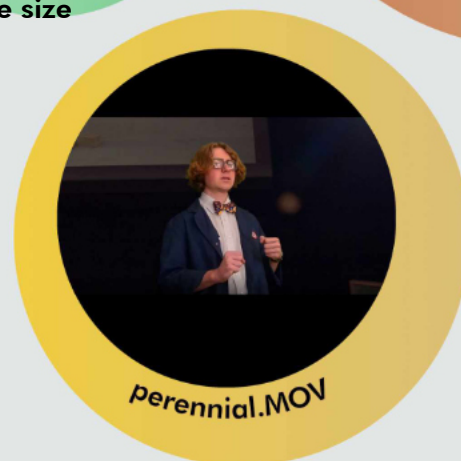
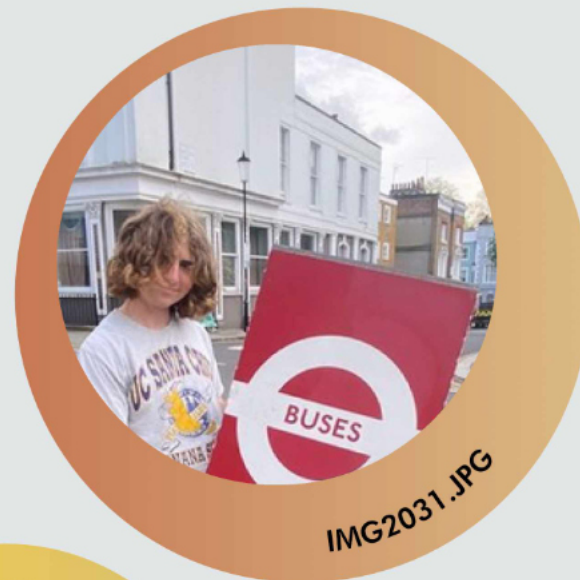
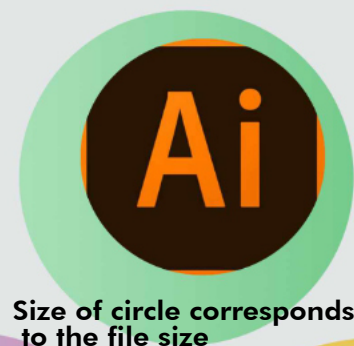


4. manipulate the file as needed



See technical package  
for gestures

5. exit!



IMAGES  
VIDEO  
DOCUMENTS  
AUDIO

+  
the user can add and change the categories

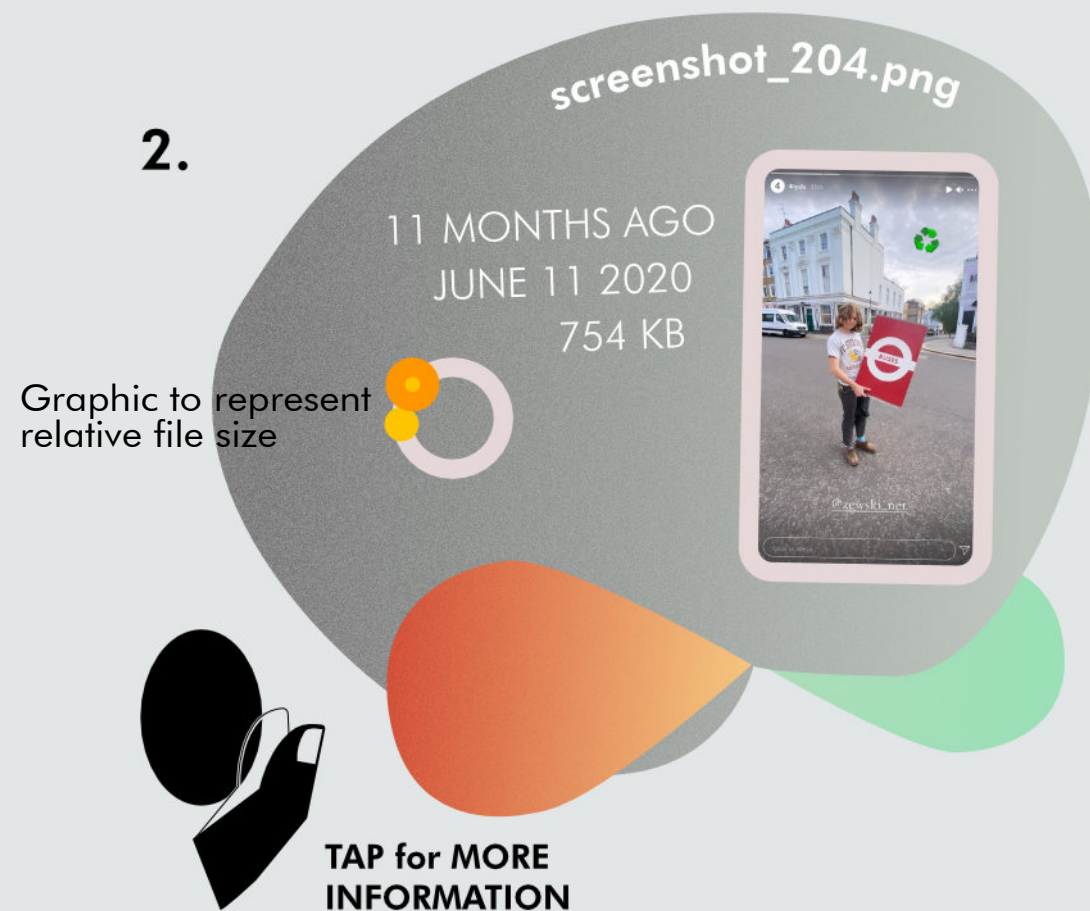


# "REMINDER" GRAPHICAL INTERFACE

1.



2.



While leisurely using the computer, you will get small reminders of files downloaded long ago and will get the option of keeping or getting rid of them to save space on your computer.

3.

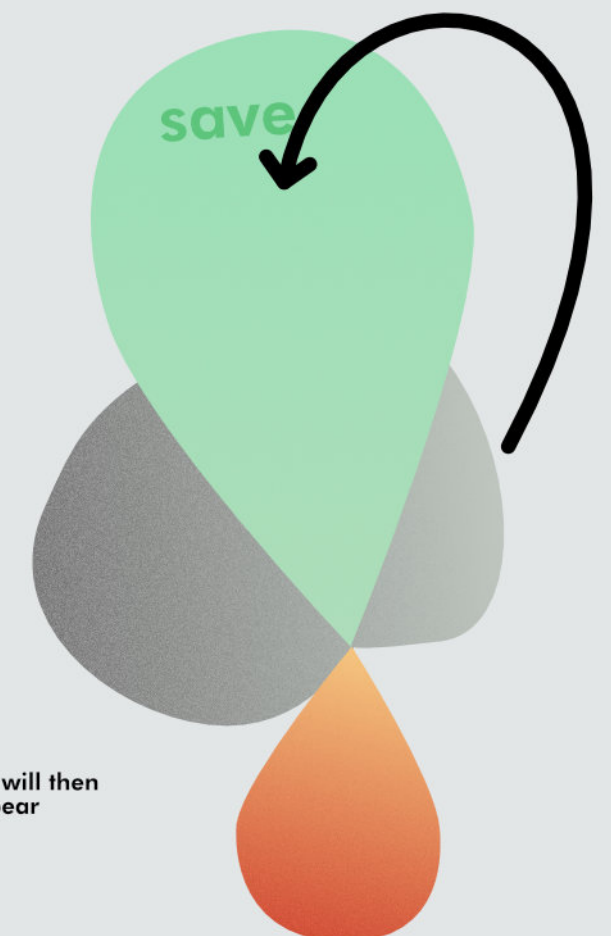
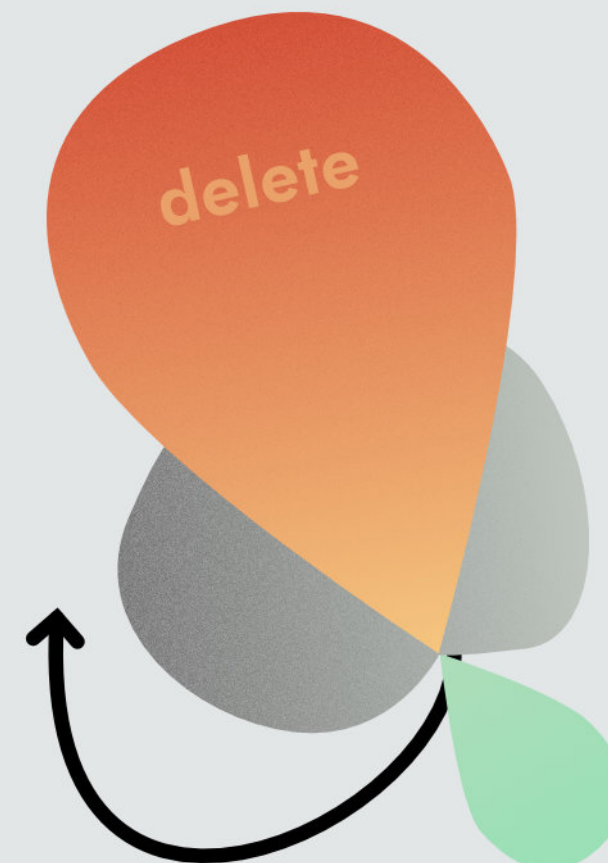


DISCARD the FILE



SAVE the FILE

or

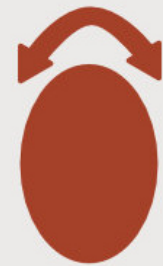
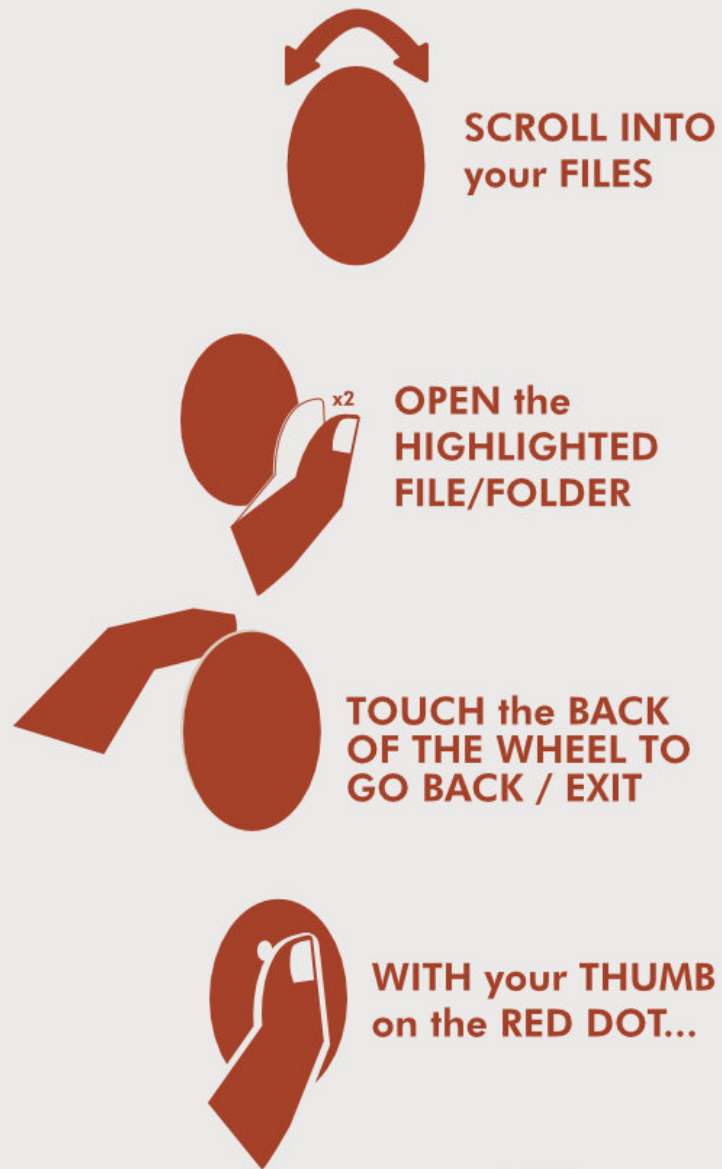


the UI will then disappear



# GESTURES

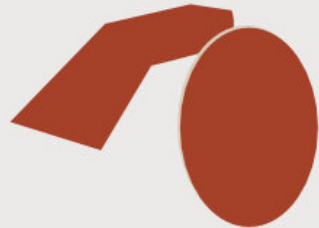
## BROWSE MODE



**SCROLL INTO  
your FILES**



**OPEN the  
HIGHLIGHTED  
FILE/FOLDER**



**TOUCH the BACK  
OF THE WHEEL TO  
GO BACK / EXIT**



**WITH your THUMB  
on the RED DOT...**



**TAP or  
WITH INDEX FINGER, SWIPE FORWARD to  
DELETE the HIGHLIGHTED FILE  
or  
DOUBLE TAP with INDEX FINGER to  
COPY the HIGHLIGHTED FILE  
and LONG PRESS TO PASTE**

## REMINDER MODE



**TAP for MORE  
INFORMATION**



**SAVE the FILE**  
the UI will then  
disappear again



**DISCARD the FILE**  
you can also archive (.zip)  
the file after tapping for  
more information

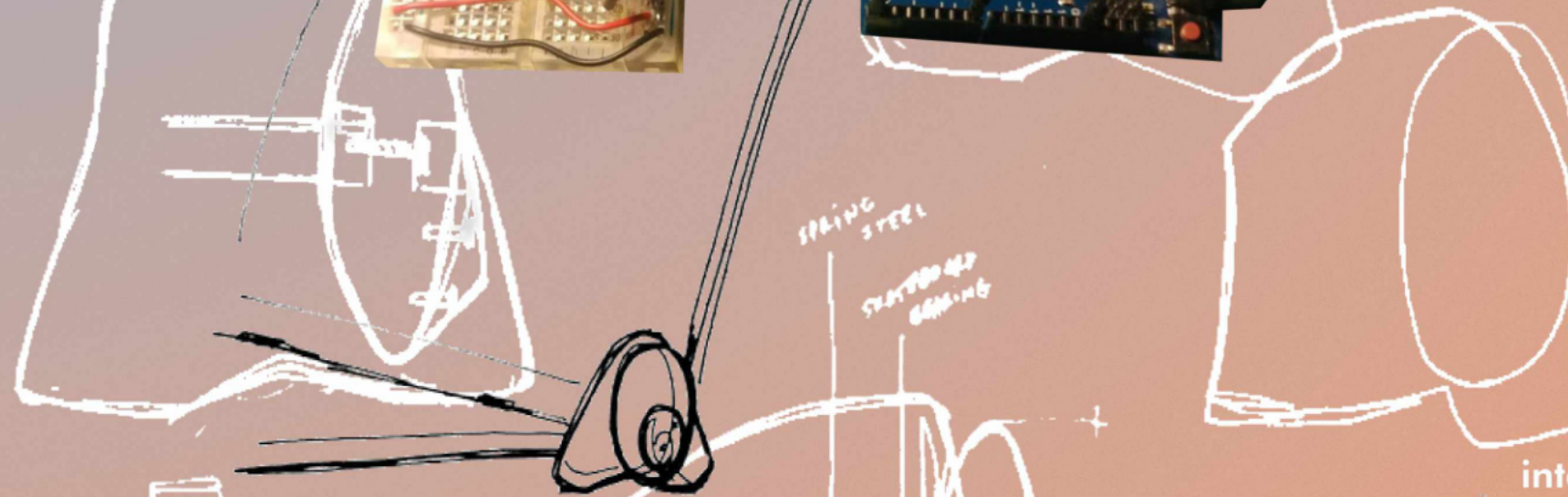
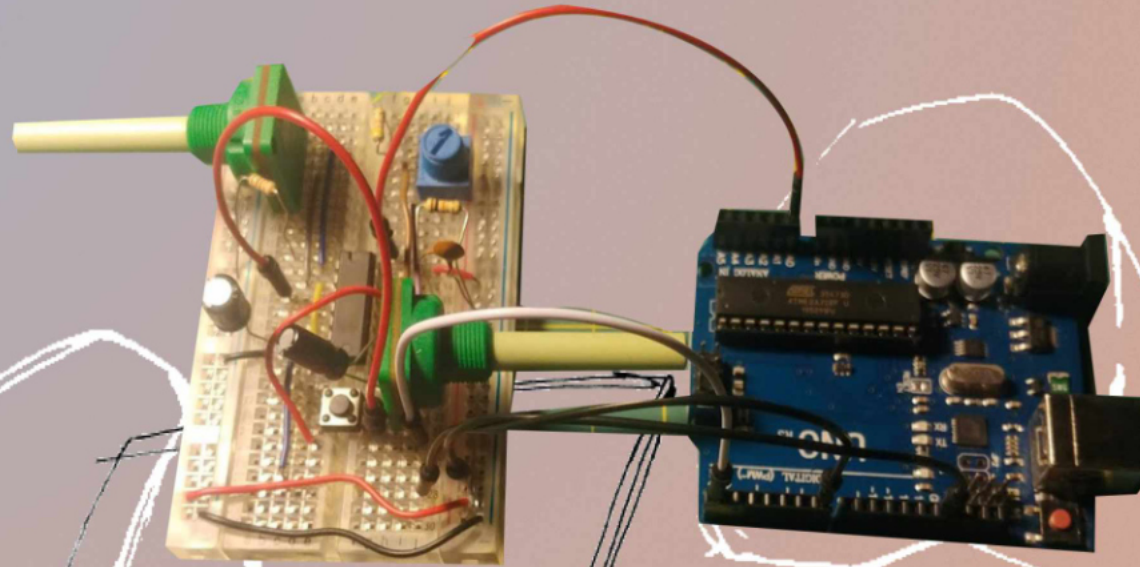


**PUSH WHEEL INWARD  
to LOCK SENSITIVE FILES  
when you LEAVE**

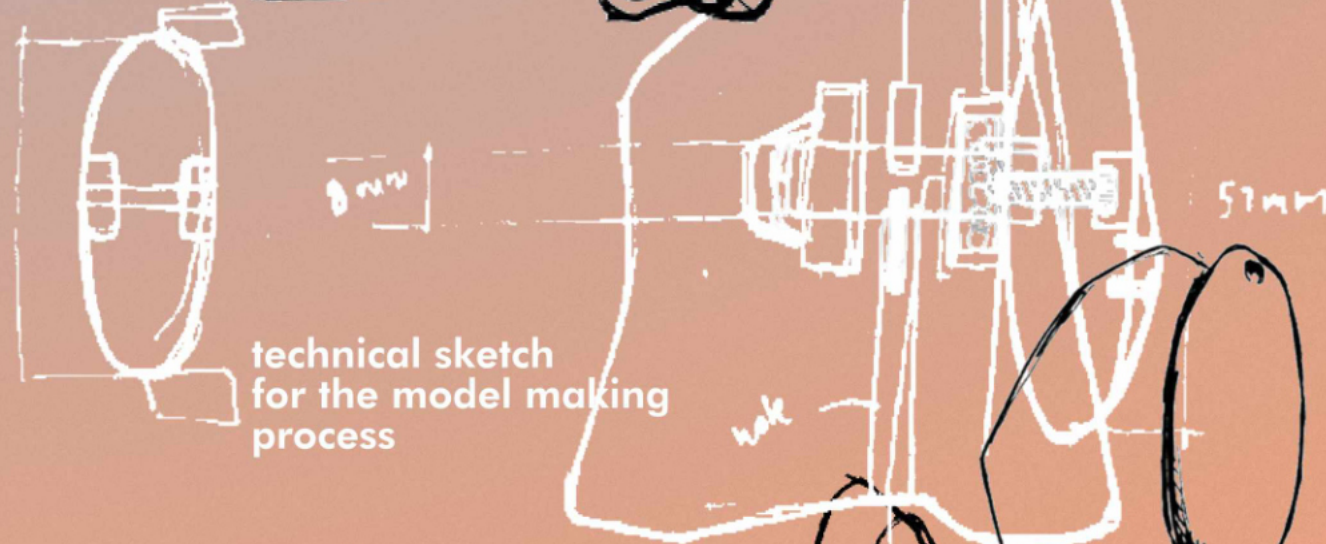
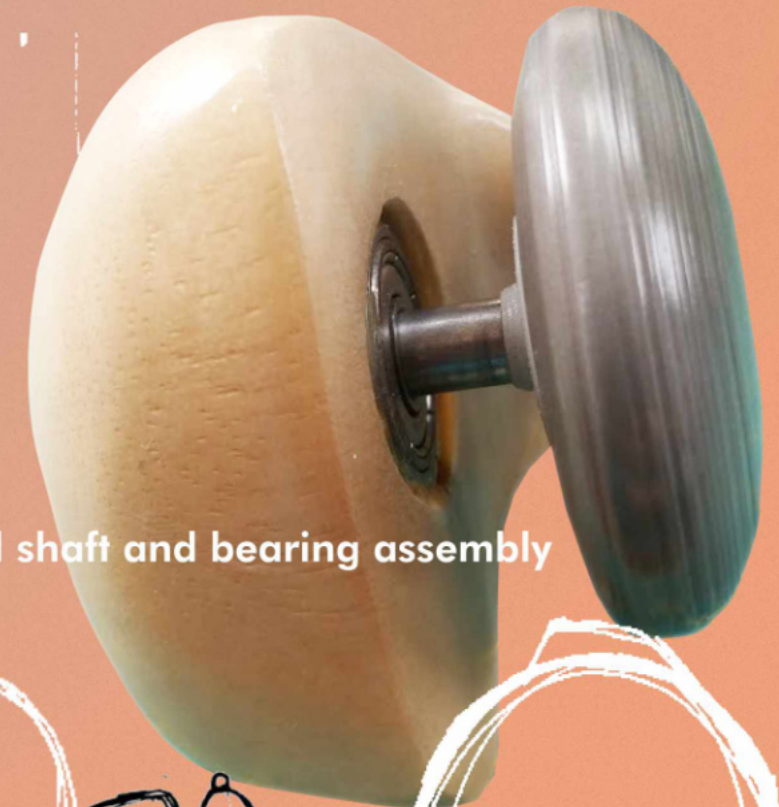


# DEVELOPMENT

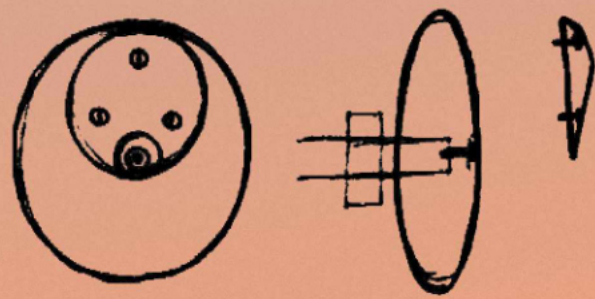
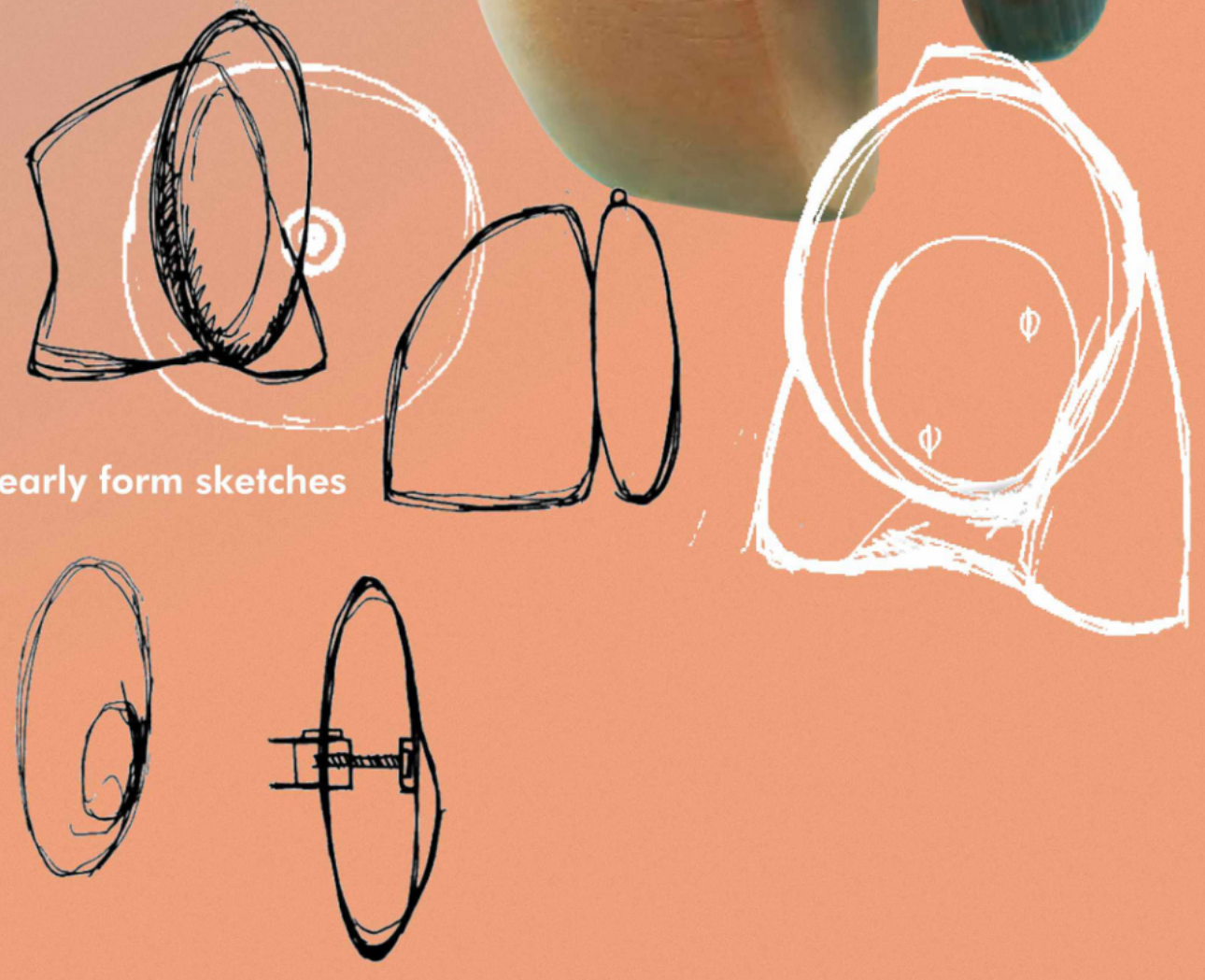
An Arduino experiment to test out moving through the standard windows browser with two knobs. One knob controlled the y axis and the other the x. This allowed me to see if adding a dimension to file browsing was feasible. This also allowed me to see what other applications a scrolling knob was useful for, such as volume controls and color wheels in creative programs.



internal shaft and bearing assembly



early form sketches

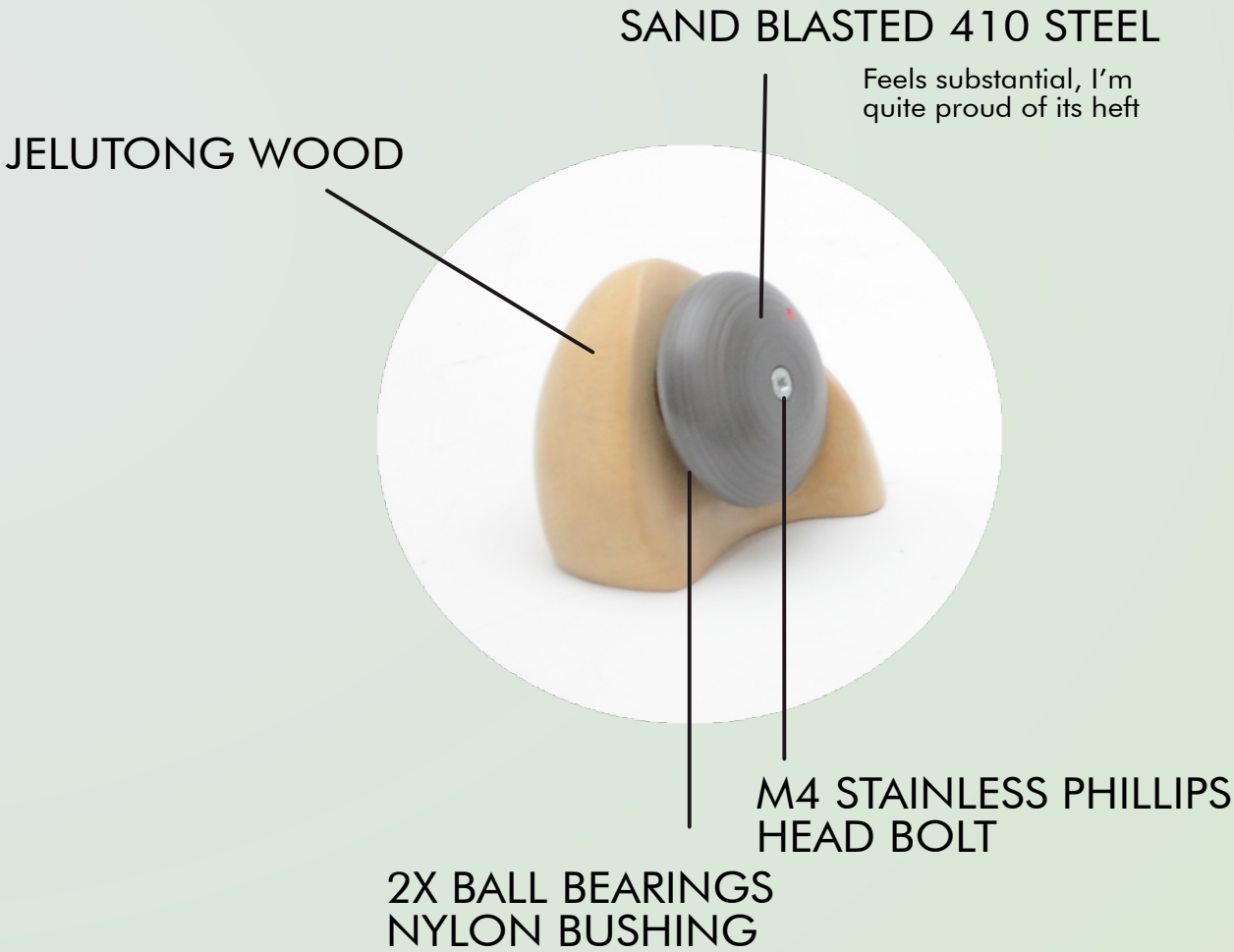




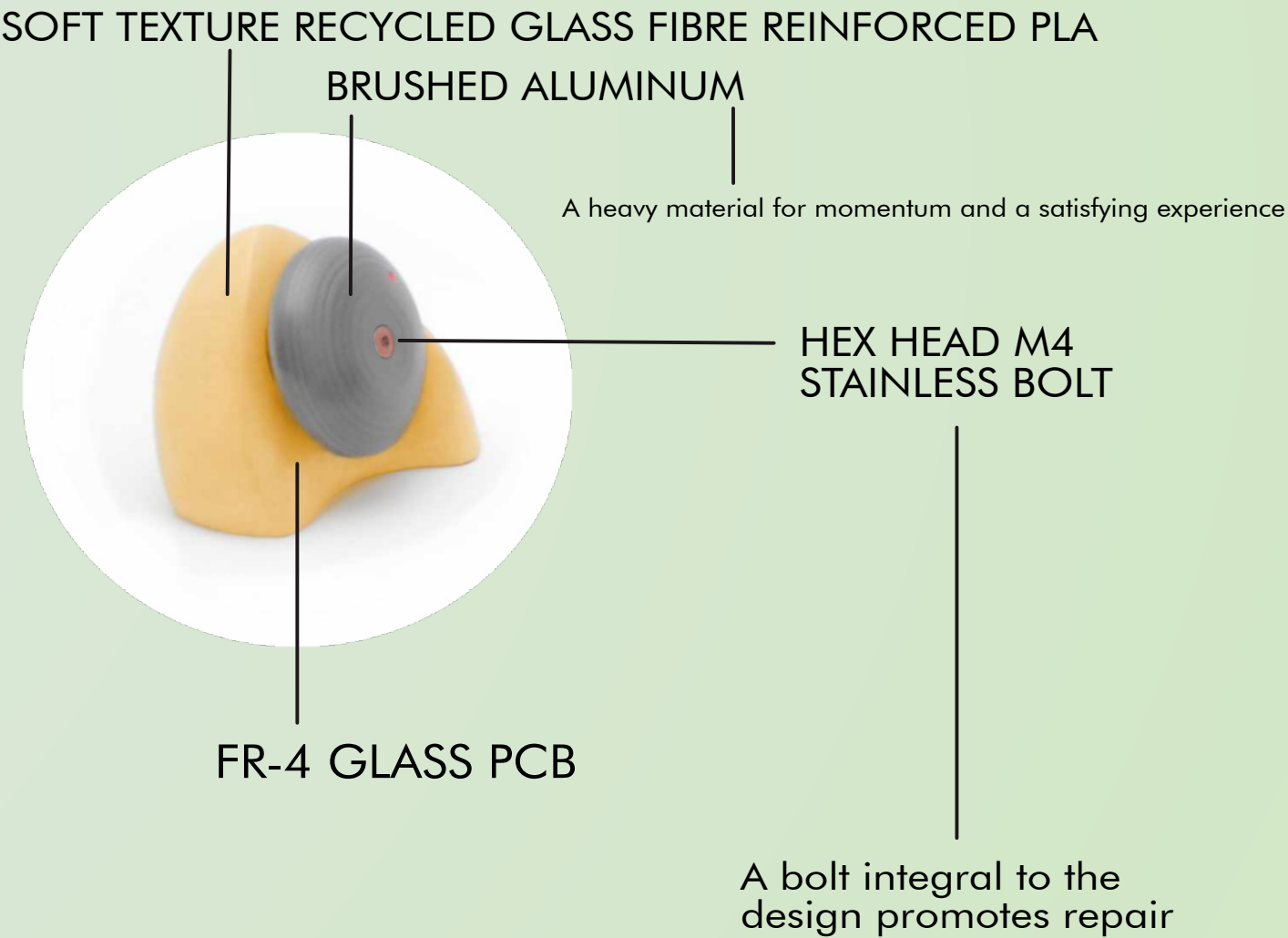
# TECHNICAL DETAILS

## MATERIALS

### MODEL



### FINAL PRODUCT





## Ethical Statement

Sustainability was the foremost inspiration for this project. My response to the design brief; what does Gen Z want from a laptop in the near future, was to design a solution for the decreasing longevity of consumer electronics. The lifespan of most modern computerized electronics is far too short, a smartphone may only last 5 years before it is obsolete and a laptop only slightly longer than that. This is an incredibly serious problem as computation nears ubiquity due to the complexity of recycling, little interest in repairability, and numerous other concerns that appear every day.

I knew I wanted to tackle this problem from a data storage angle as it's something I am passionate about. My initial designs were methods of recycling older laptops to create a peer-to-peer storage network. This I thought would give an option for those wanting to separate themselves from cloud storage and the ethical and security issues that surround it. I couldn't, however, realize this into a product that I was happy with, but continued with the idea of data management. This led me to the computer file insight: Creatives don't have a convenient way of cleaning up their computers' hard drive. After a few years of using a laptop, those that I interviewed said that their computers' performance begins to suffer from a lack of storage and RAM burdened by clutter. The FileDial is my rather conceptual attempt at giving users a simple way of deleting the files they don't need anymore, and thus extending the life of their expensive devices.

More than anything, I, as a laptop user, want a product that helps me consume less. Maybe I've been blinded by environmentalism, but I don't want a folding, 30-inch screen laptop or a pocket-sized projector-equipped modular super computer if it's going to be just another hunk of unrecyclable, unrepairable, plastic in a landfill.