

The Fuck Duck Machine

A story of frustration

ft. FOMO (Fear Of Missing Out)

***how much pain are you willing to take to
feed your fomo?***

concept

FOMO

(Fear.Of.Missing.Out)

noun

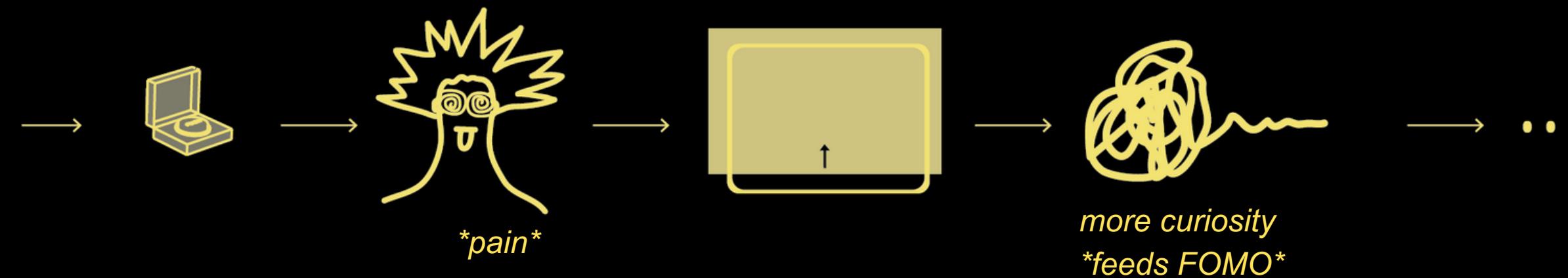
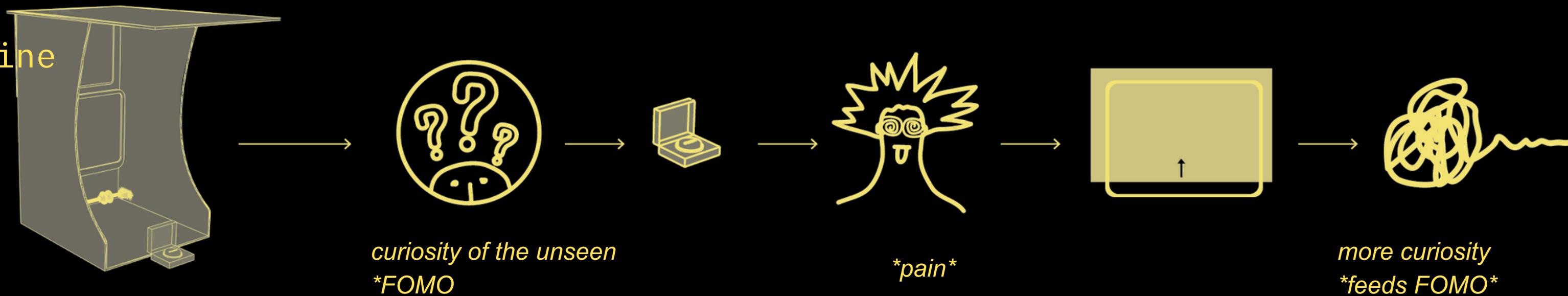
anxiety that an exciting or interesting event may currently be happening elsewhere, often aroused by posts seen on social media.

"I realized I was a lifelong sufferer of FOMO"

*our machine feeds your fomo

concept

The Fuck Duck Machine

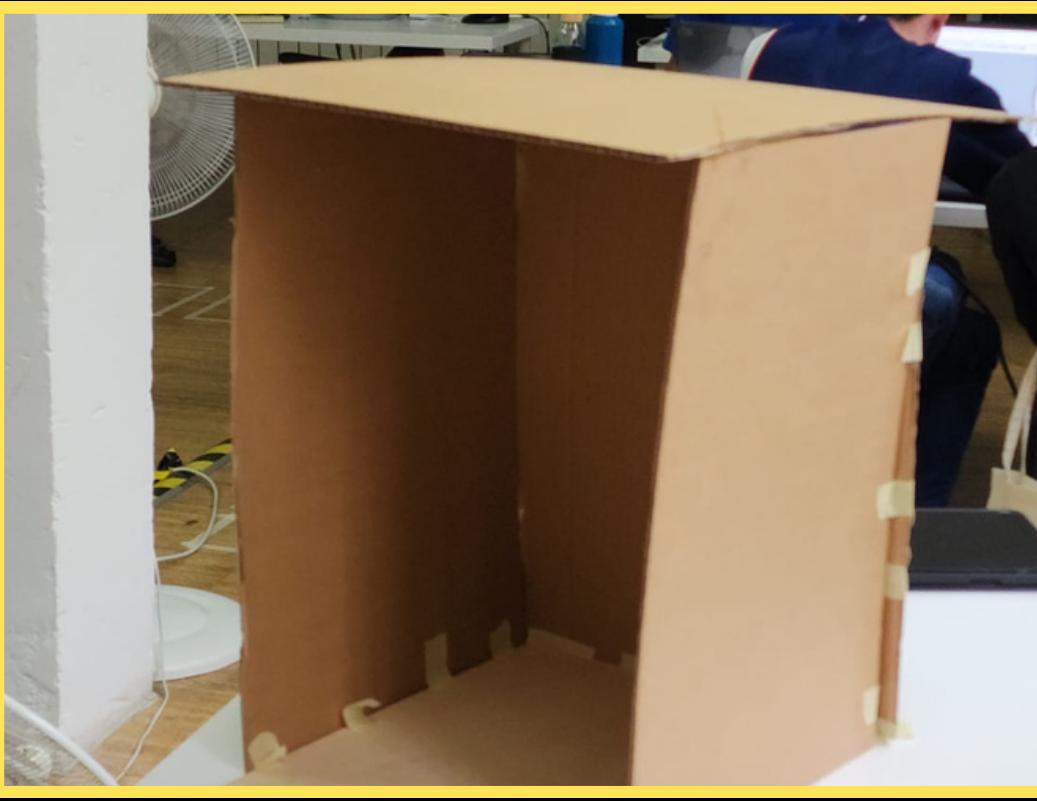


what is it supposed to do?

1. Brainstorming



The forever loop machine



The FOMO machine

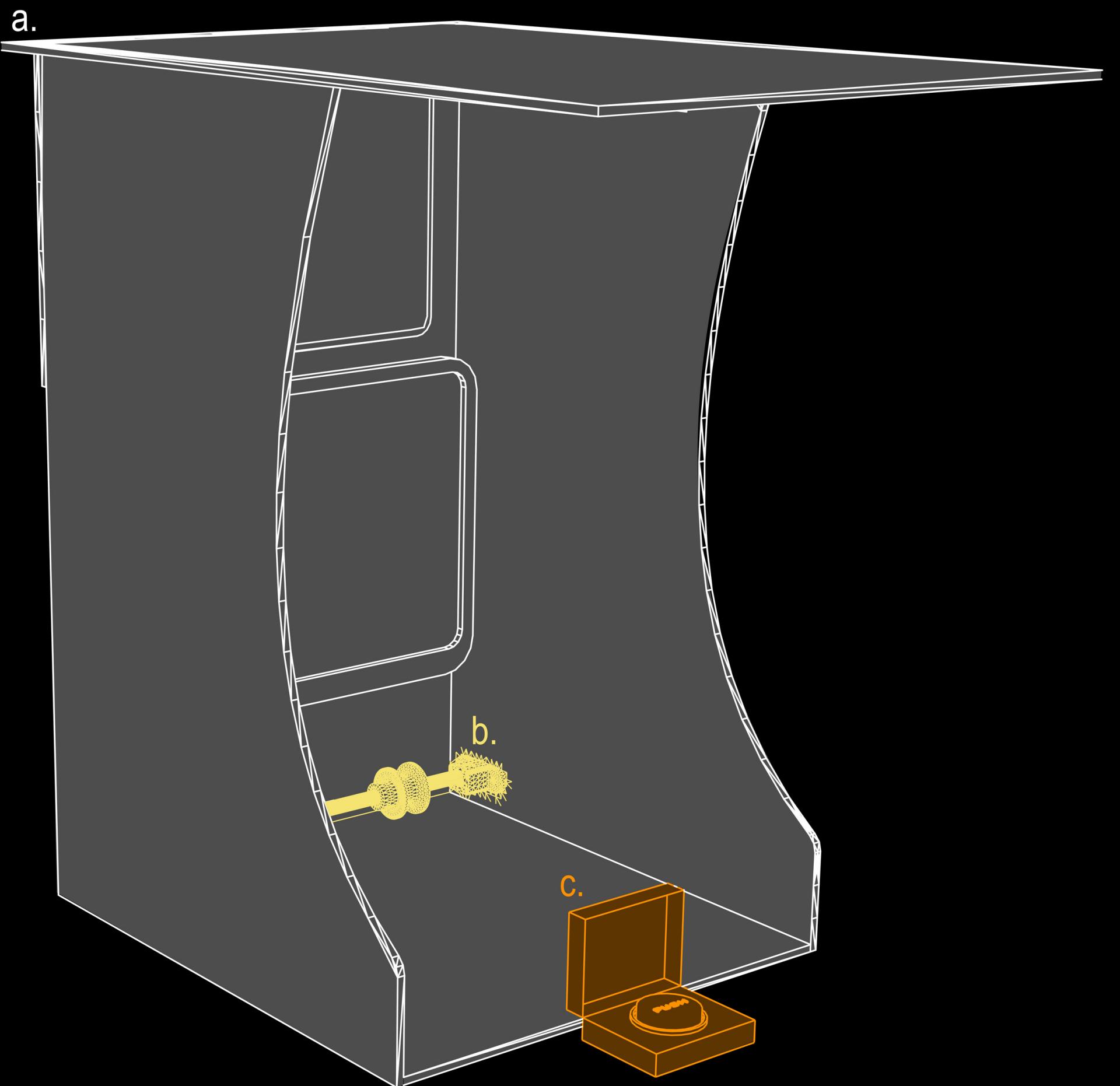


The random scroll machine

design process

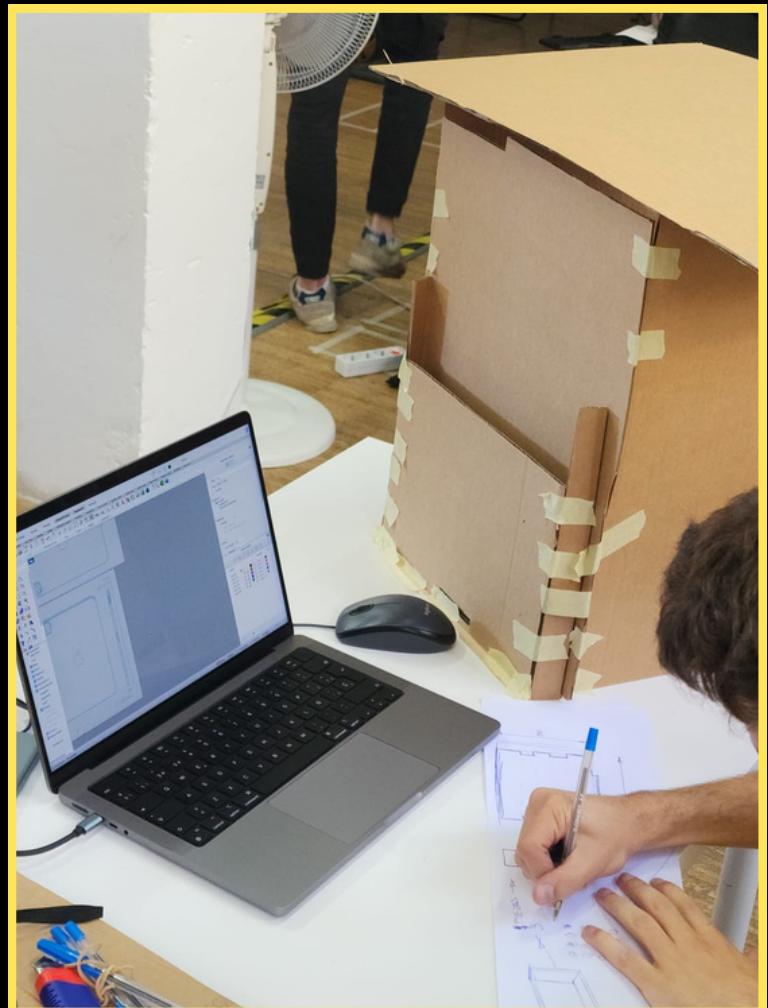
2. Planification

- a. Box and filter
- b. Motors and Arduino
- c. Pain button



design process

3. Building



a. Box and filter



b. Motors and Arduino



c. Pain button

design process

4. Tests

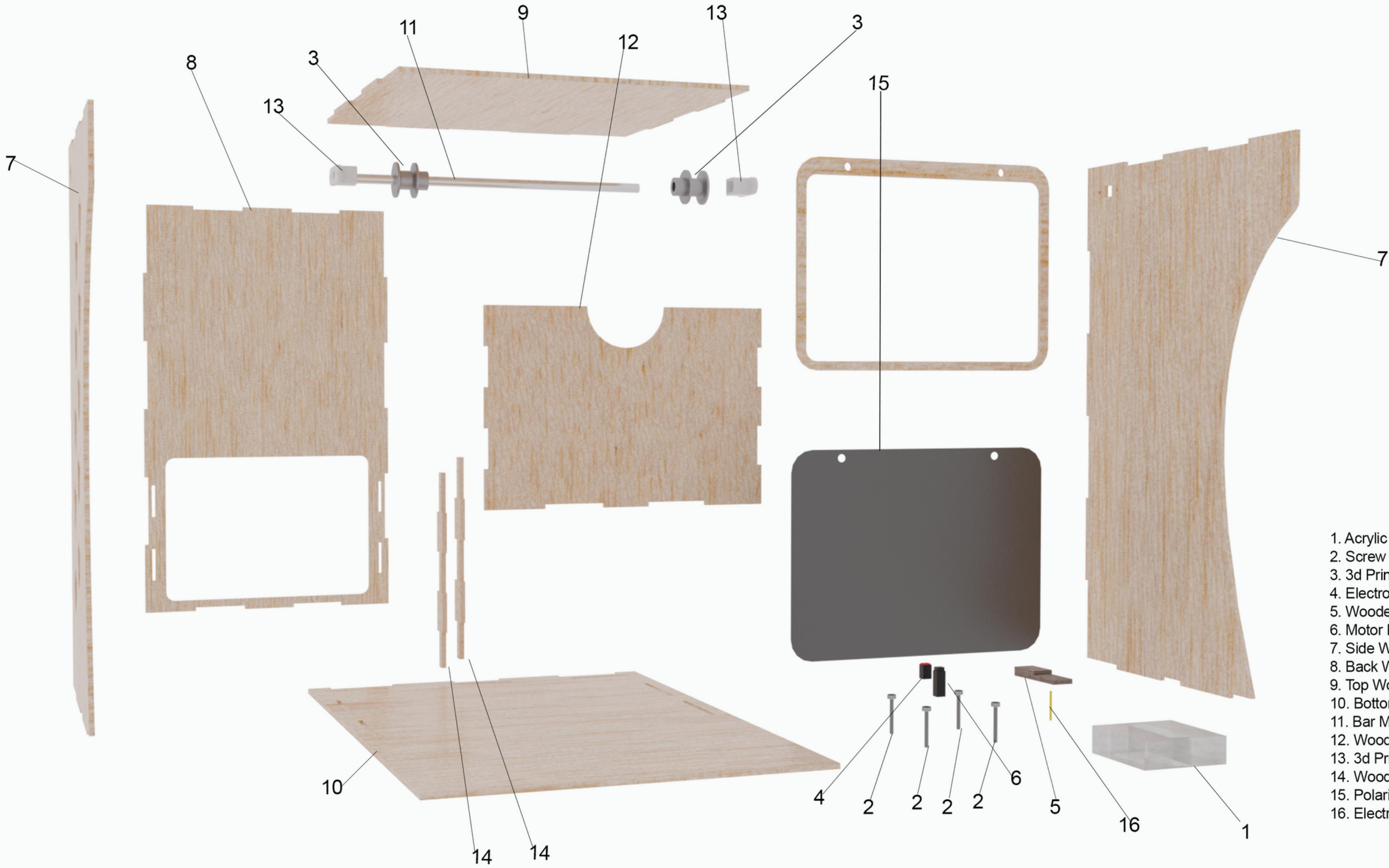


design process

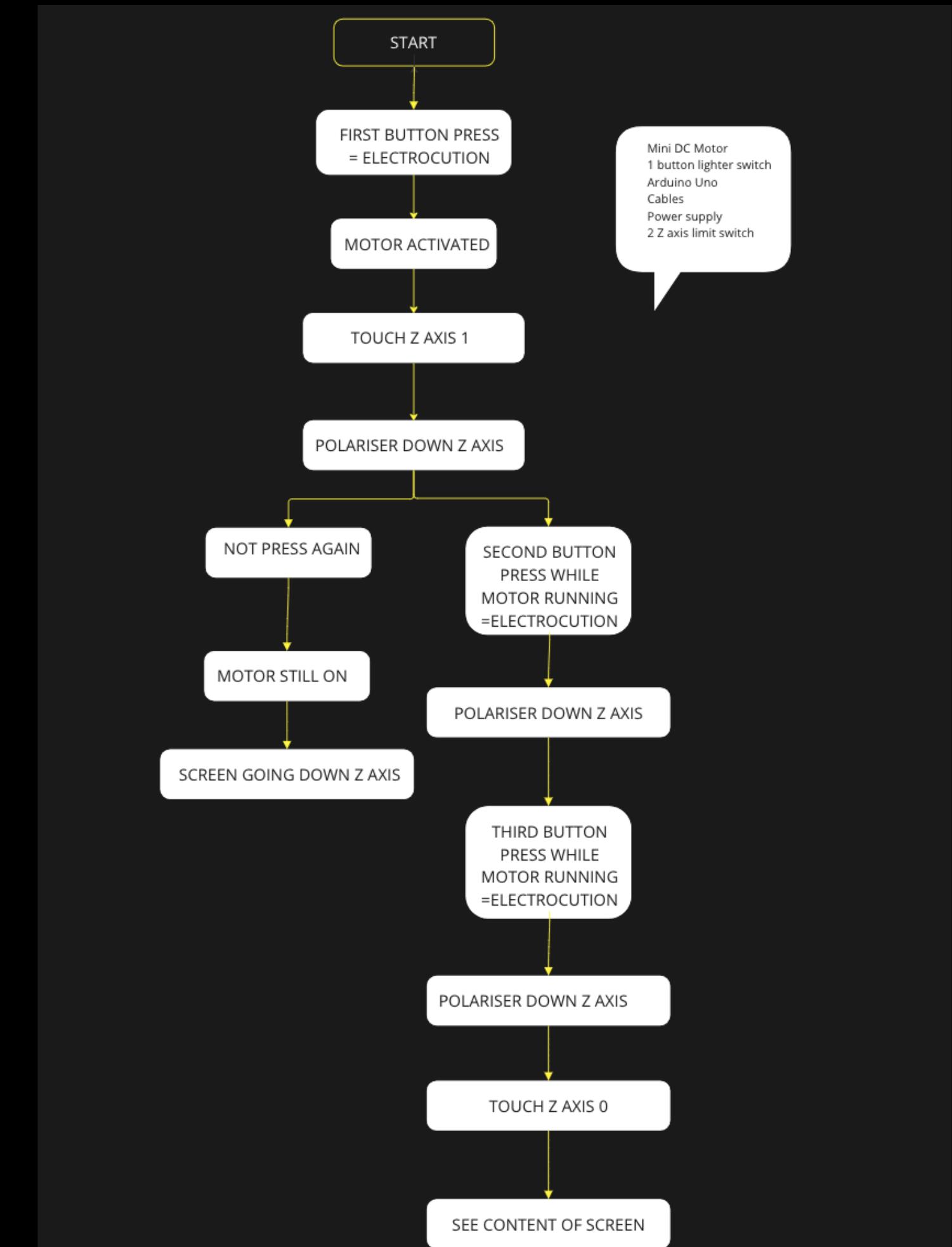
5.Final result



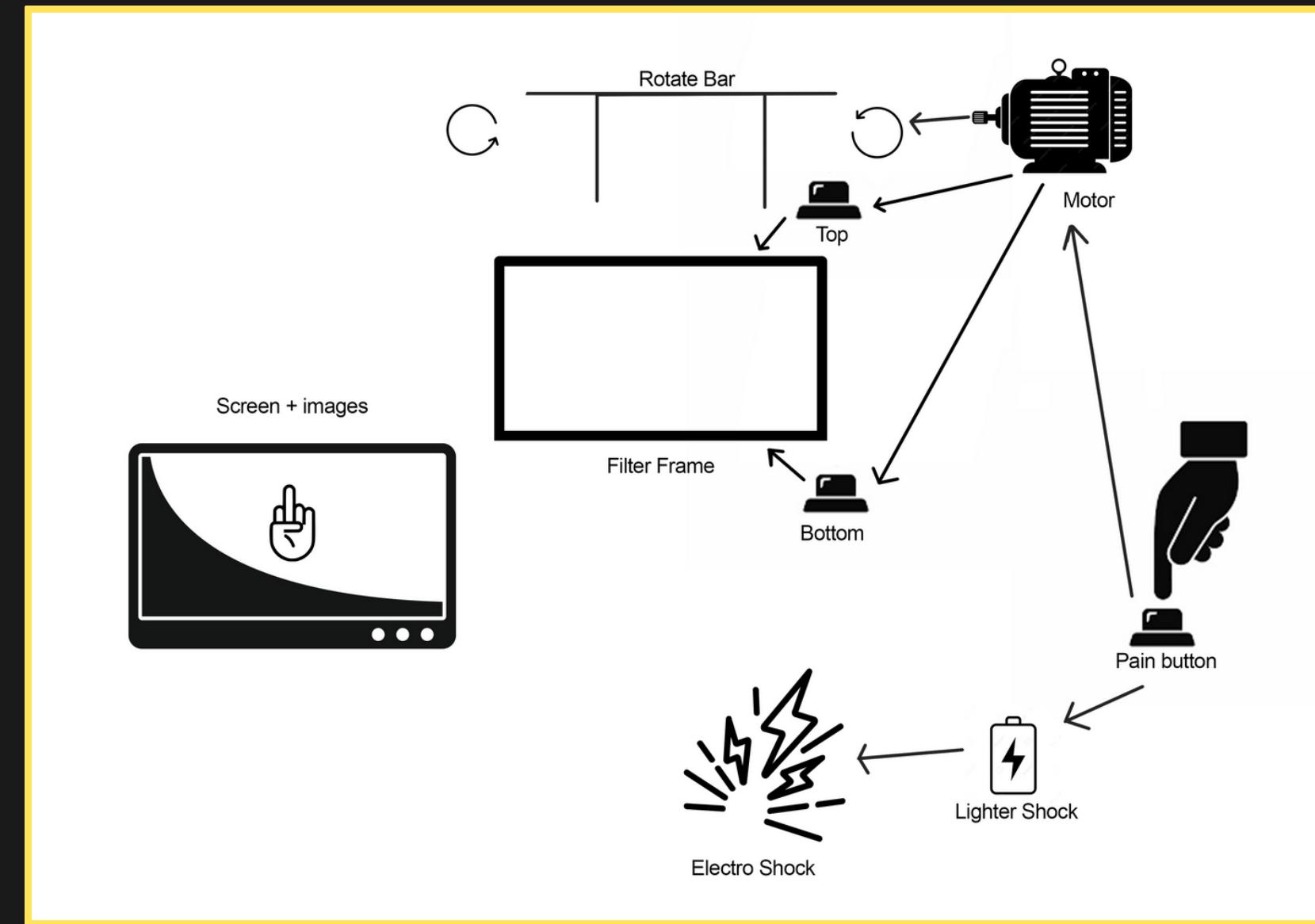
materials and parts



1. Acrylic Layer Box
2. Screw x4
3. 3d Print Cable Brakets x2
4. Electro clipper Shock
5. Wooden/ Metal Button
6. Motor Button
7. Side Wooden Part x2
8. Back Wooden Part
9. Top Wooden Part
10. Bottom Wooden Part
11. Bar Metal
12. Wooden PieceTablet Support
13. 3d Print Piece Motor Support x2
14. Wooden Box Support x2
15. Polarize Filter
16. Electric cable shock.



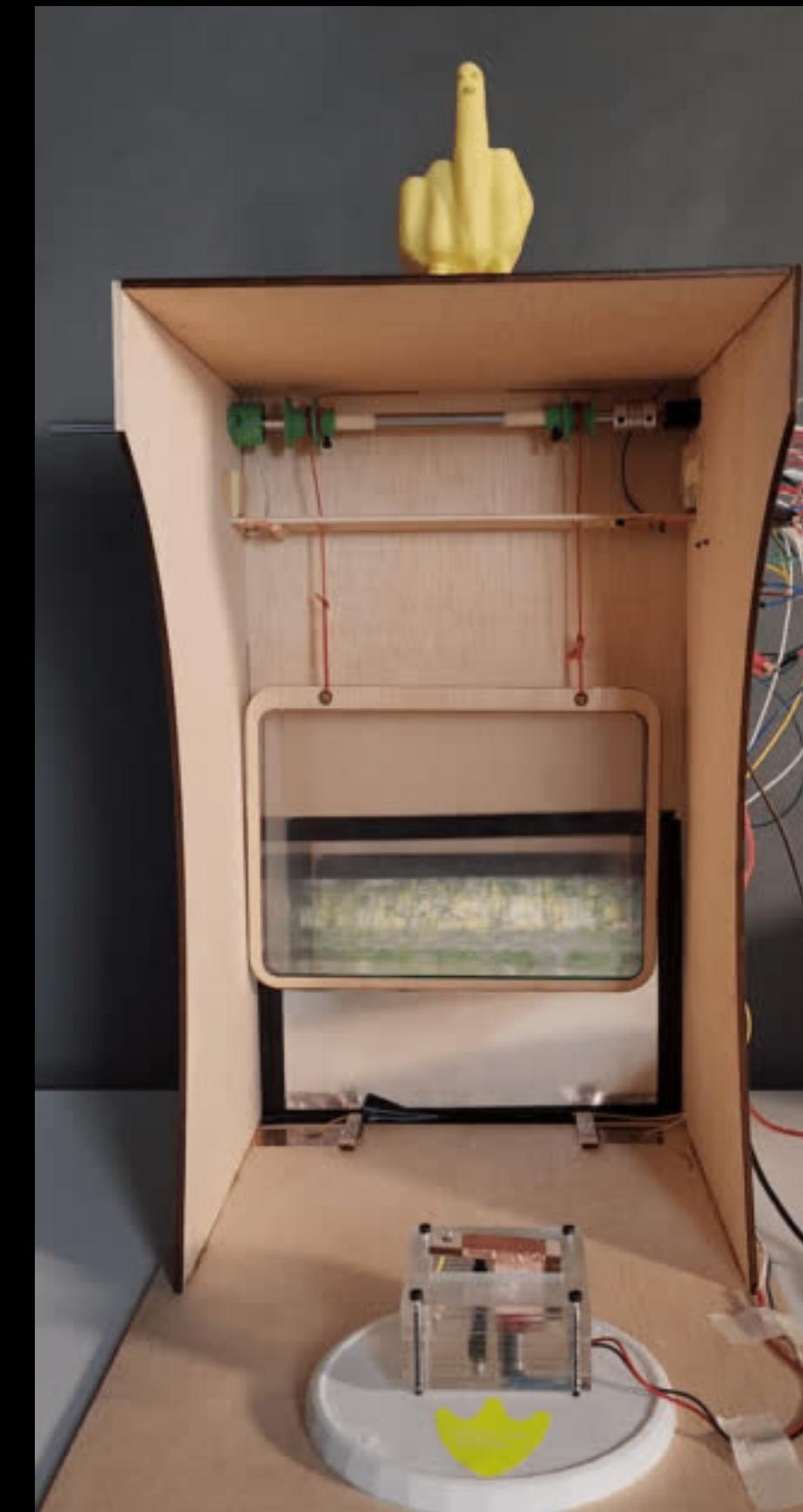
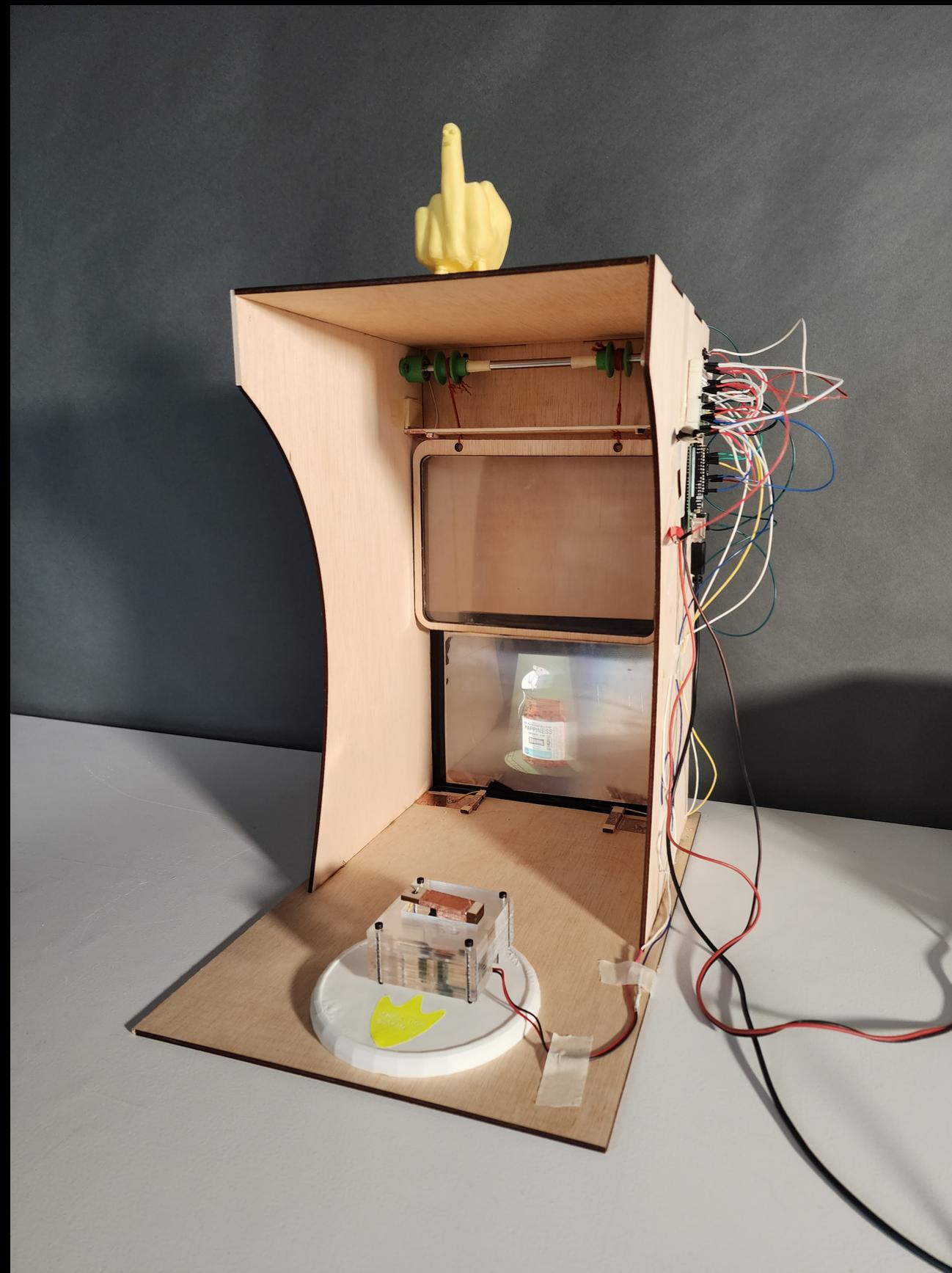
flow charts



System Diagram

```
void moveMotor() {  
    totalMotorTime = motorRotationTimePerPress *  
buttonPresses;  
    digitalWrite(motorPin1, HIGH);  
    digitalWrite(motorPin2, LOW);  
}  
  
void reverseMotor() {  
    motorStartTime = millis();  
    digitalWrite(motorPin1, LOW);  
    digitalWrite(motorPin2, HIGH);  
}  
  
void stopMotor() {  
    digitalWrite(motorPin1, LOW);  
    digitalWrite(motorPin2, LOW);  
    motorRunning = false;  
    buttonPresses = 0;  
    totalMotorTime = 0;  
}
```

```
pinMode(buttonMotor, INPUT_PULLUP);  
pinMode(buttonTop, INPUT_PULLUP);  
pinMode(buttonBottom, INPUT_PULLUP);
```



images

Failures

- Measuring errors when cutting
- Coding errors (regarding the motor)
- Used superglue on the filter and damaged it
- Broke some pieces from using them too much
- Had to cut button layers twice to add holes for the screws
- 3D printed pieces in wrong_positions
- 3D printed pieces with wrong tolerances
- Weakly cable connections
- and many more...

Learnings

- Using new machines (laser cut, 3D printers...)
- Making Arduino and motor work
- To double check before sending files to print
- To look for useful information online
- To organize as a group
- The importance of documentation

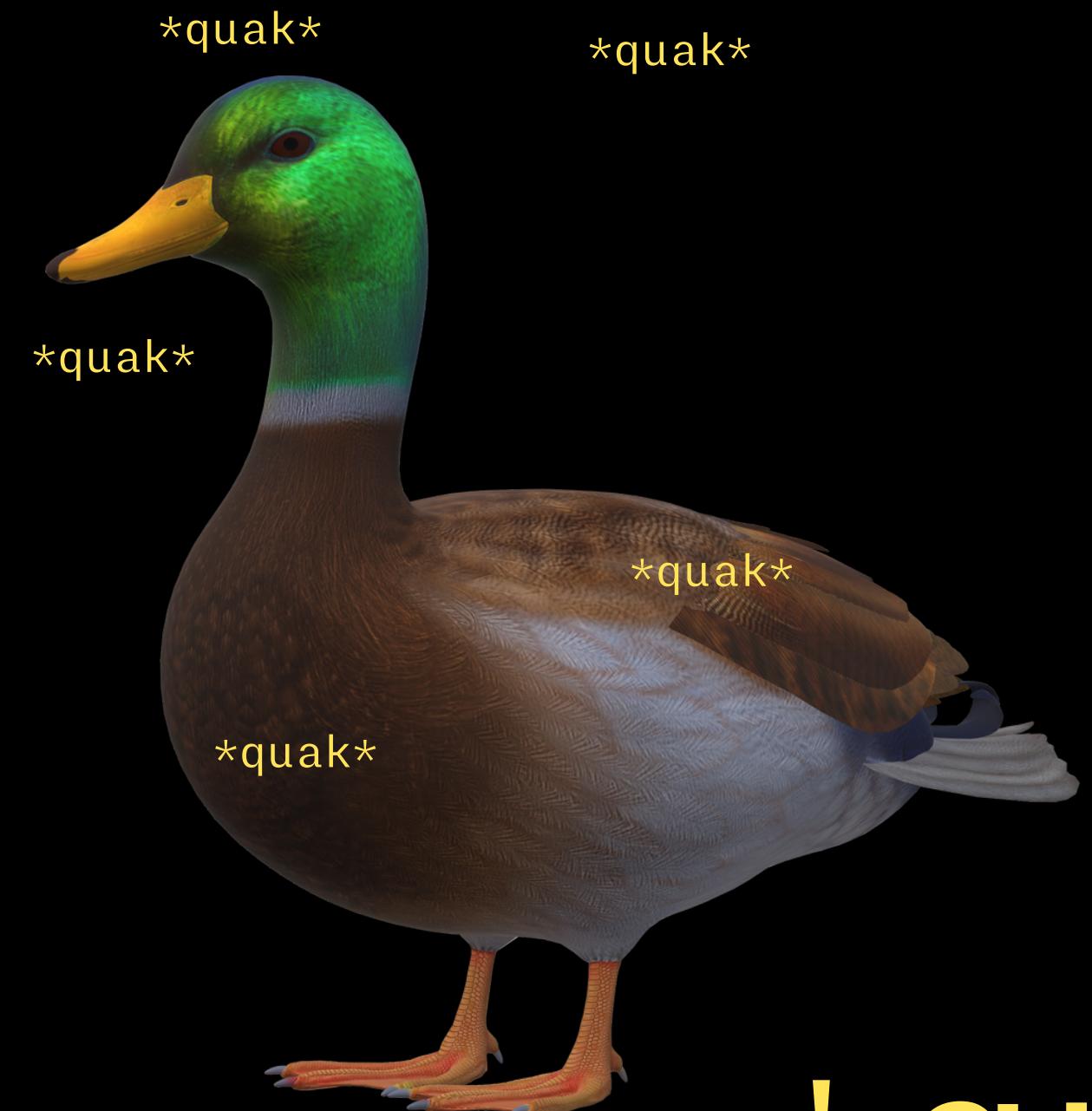
iteration process



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[*video presentation*](#)



quak

it says fucking goodbye in duck slang