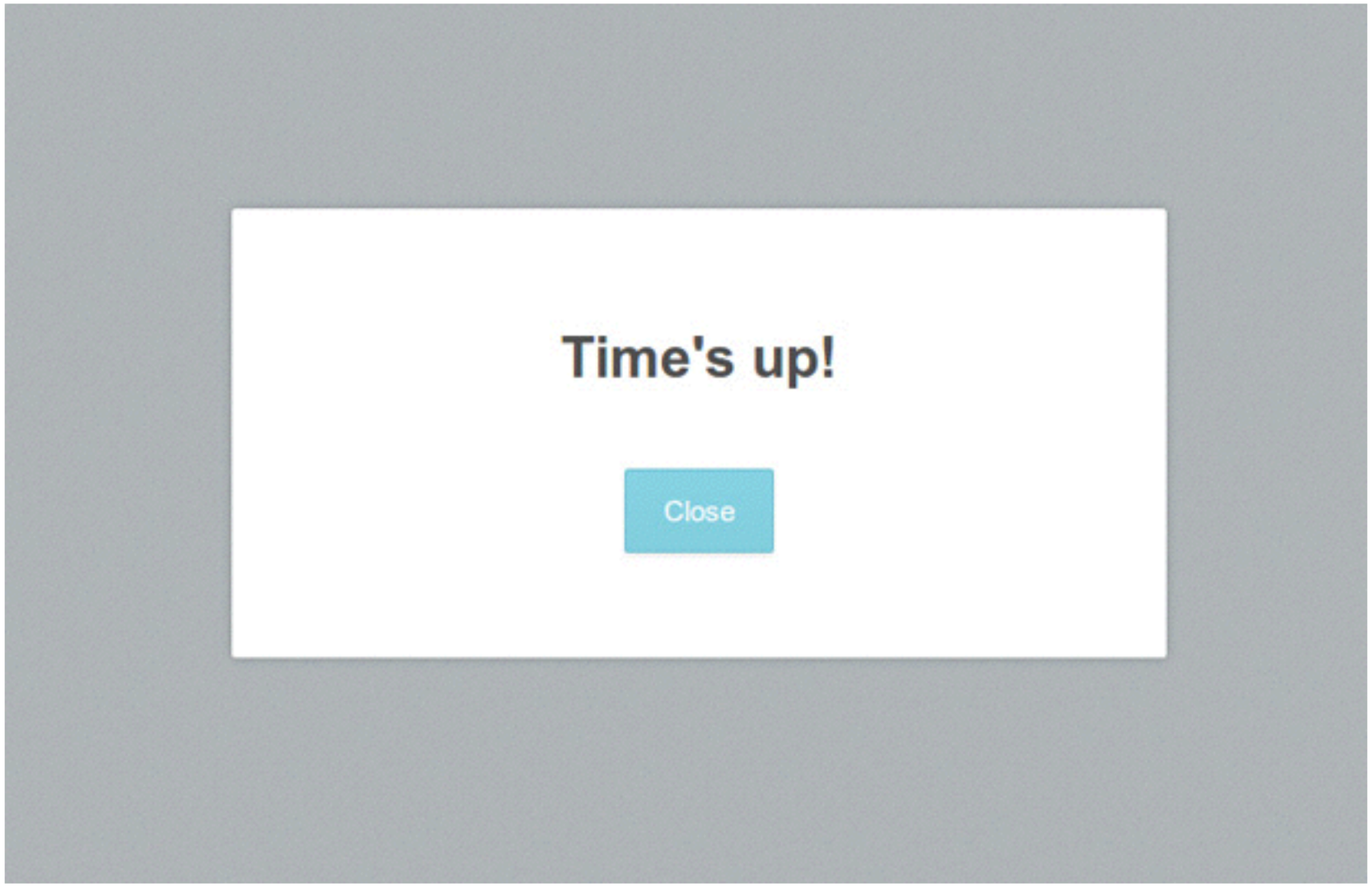
Washing Label + NFC
Design for Smart Home in Future

Shala Lao

Quick Game

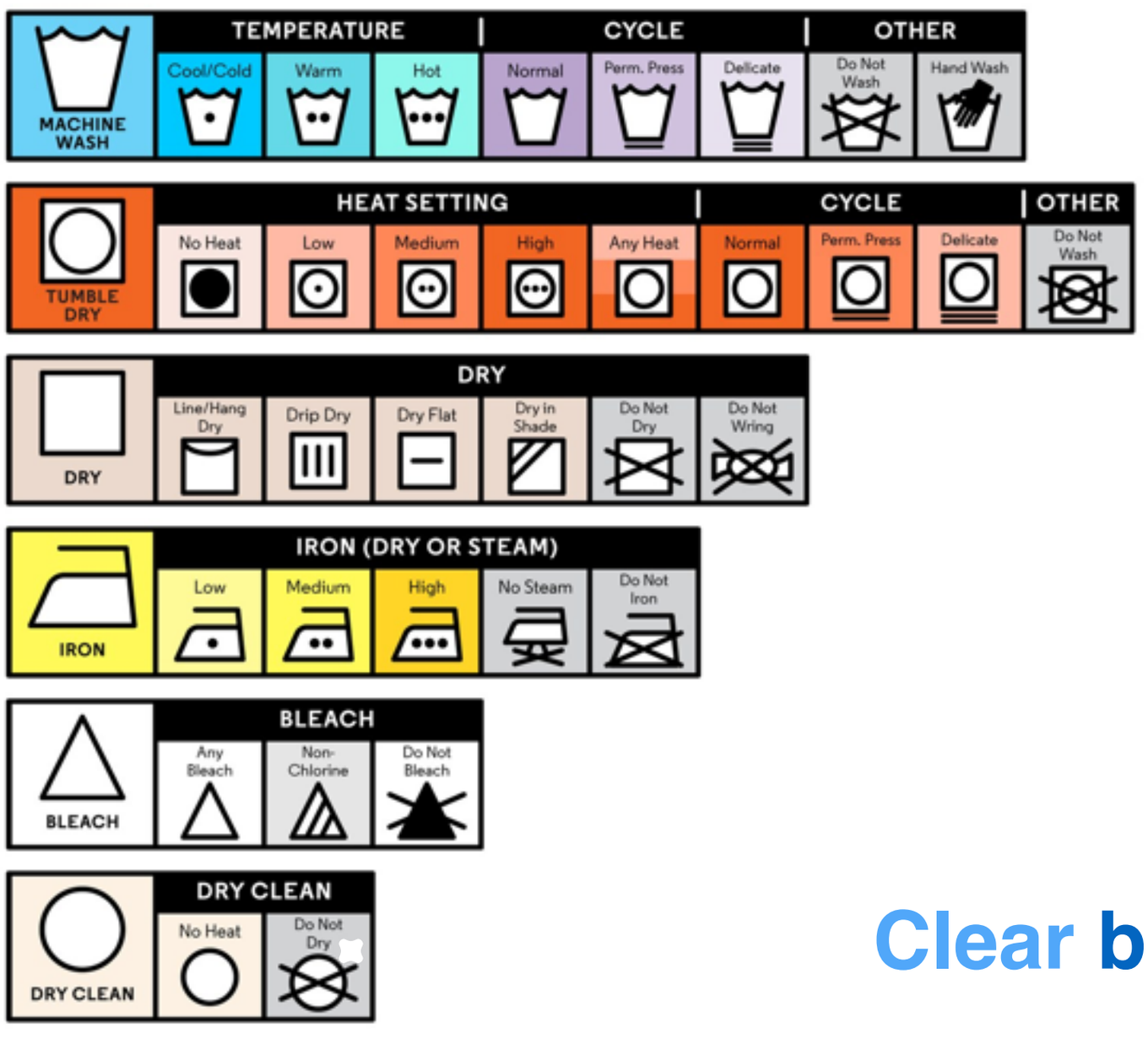
Find Washing Label

Neck
Bottom Right
Bottom Left


Time's up!
Close

Primary Research

Existed Washing Label System



Clear but still confused

Problem

Space

- The Label told clearly

  CANNOT PUT IN DRYER!!!

How to solve this problem in Future?

LAZY

4000

SMART WASHING

“Your smart laundry”

Client

Channel 3

- Multi-Brands
- Product different Country

  (Label different Language)
- Their Customer don't know

  how to wash that kind of:
  - embroidery
  - Big area of print

Persona in 2025

From Client (channel 3)’s customer

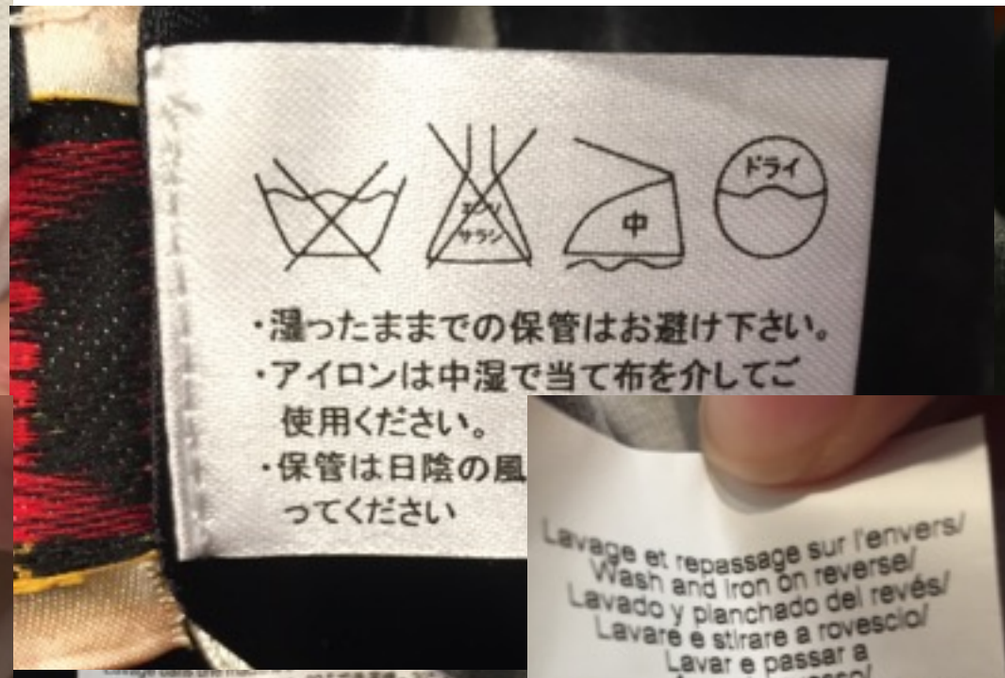
- Rich Teen
- Smart Home
- Don’t know how to wash
- Lazy
- Bad at English

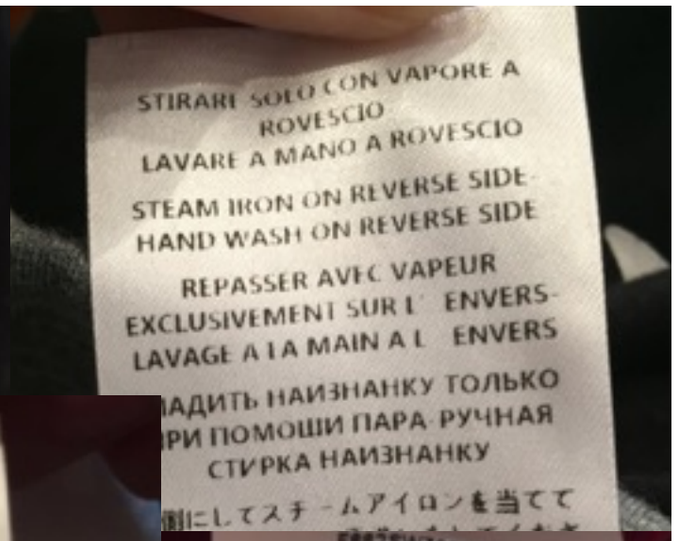
Tony

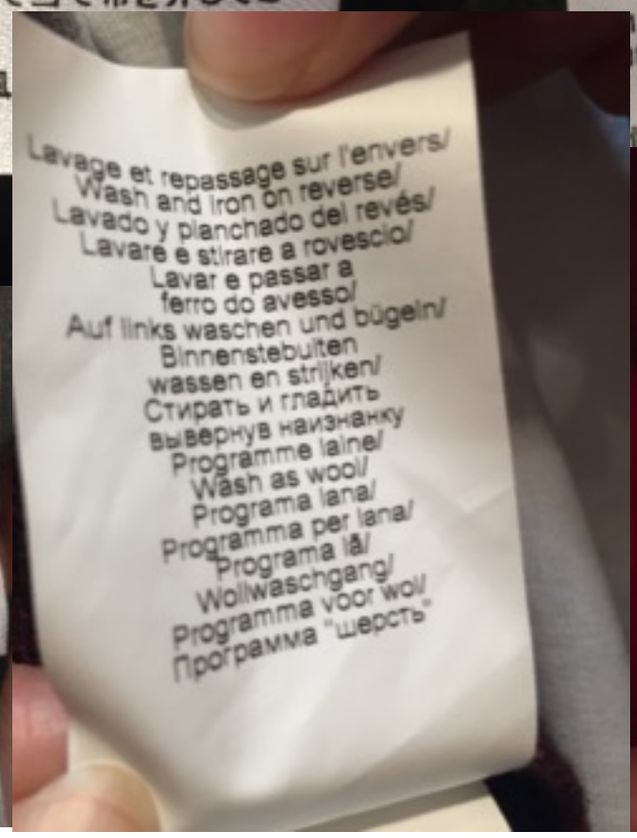
Smart Home

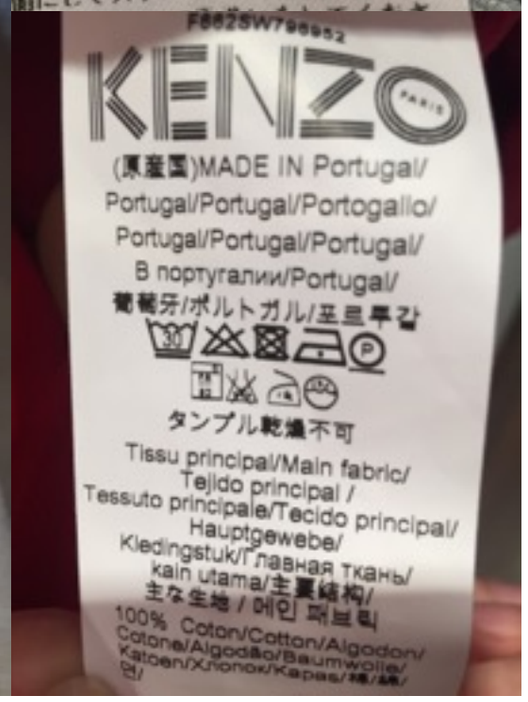
Primary Research

Existed Washing Label the client's product









Primary Research

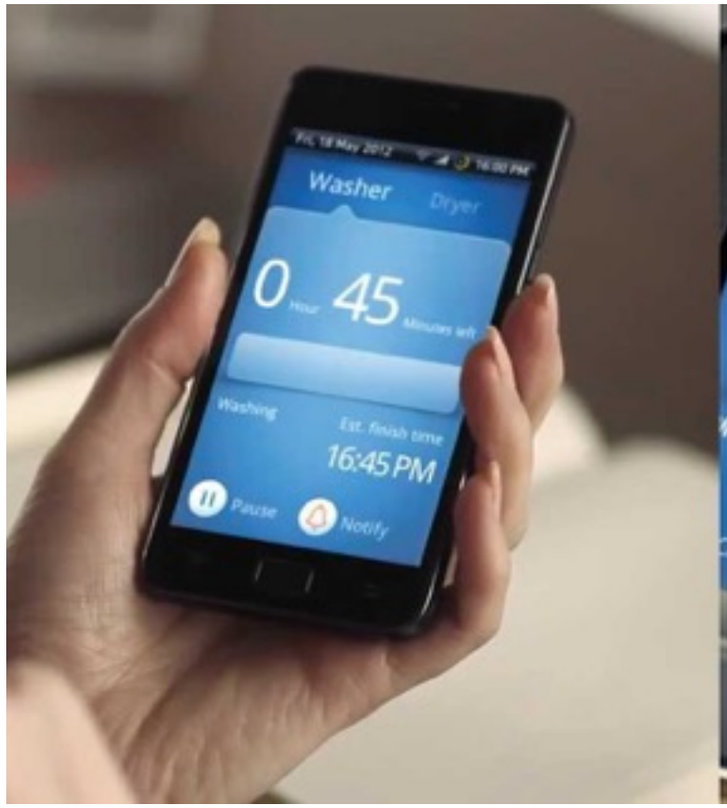
PRIOR ART - Existed Washing Label

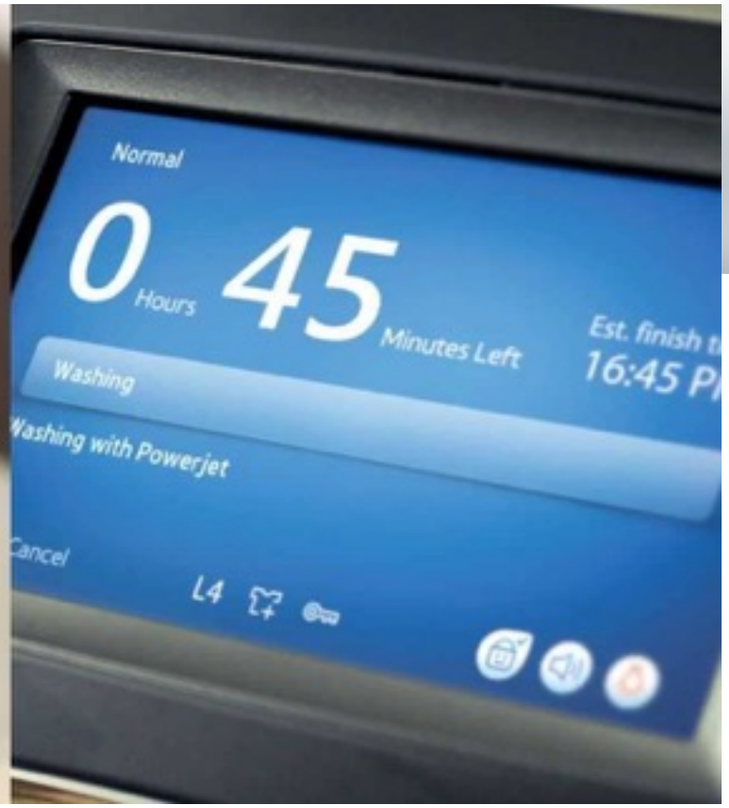
- Trend and Future

- Code on the Label

Secondary Research

PRIOR ART - Smart Washing



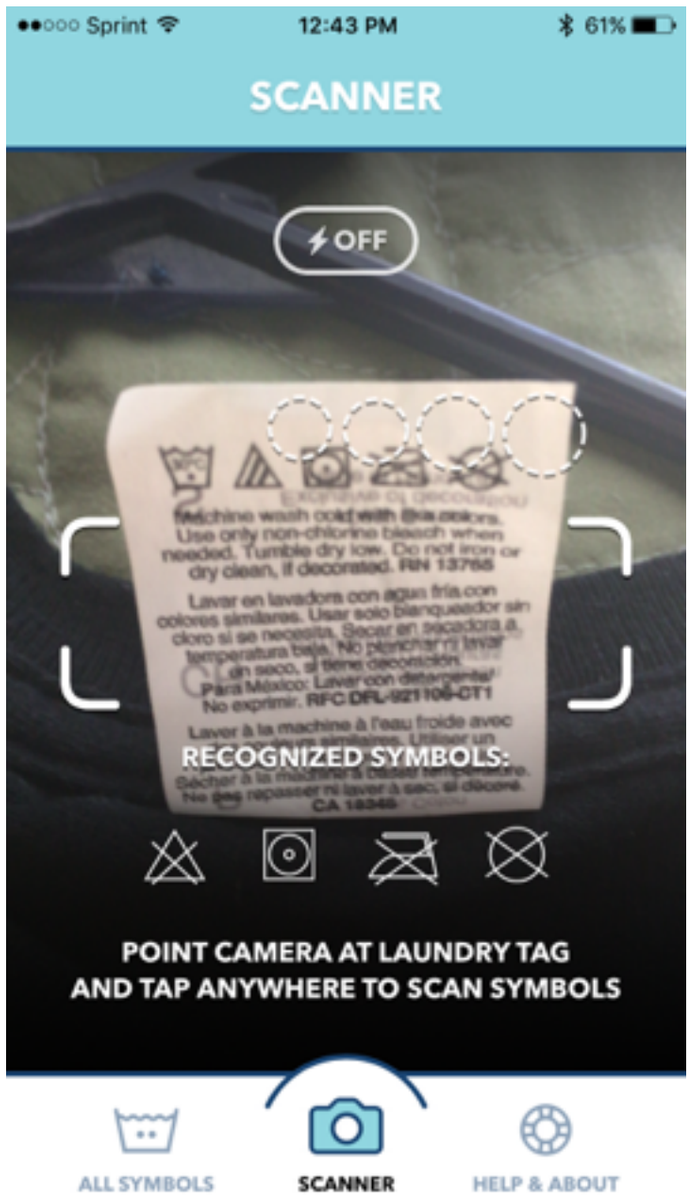


Secondary Research

PRIOR ART - Auto Fold Clothing

Secondary Research

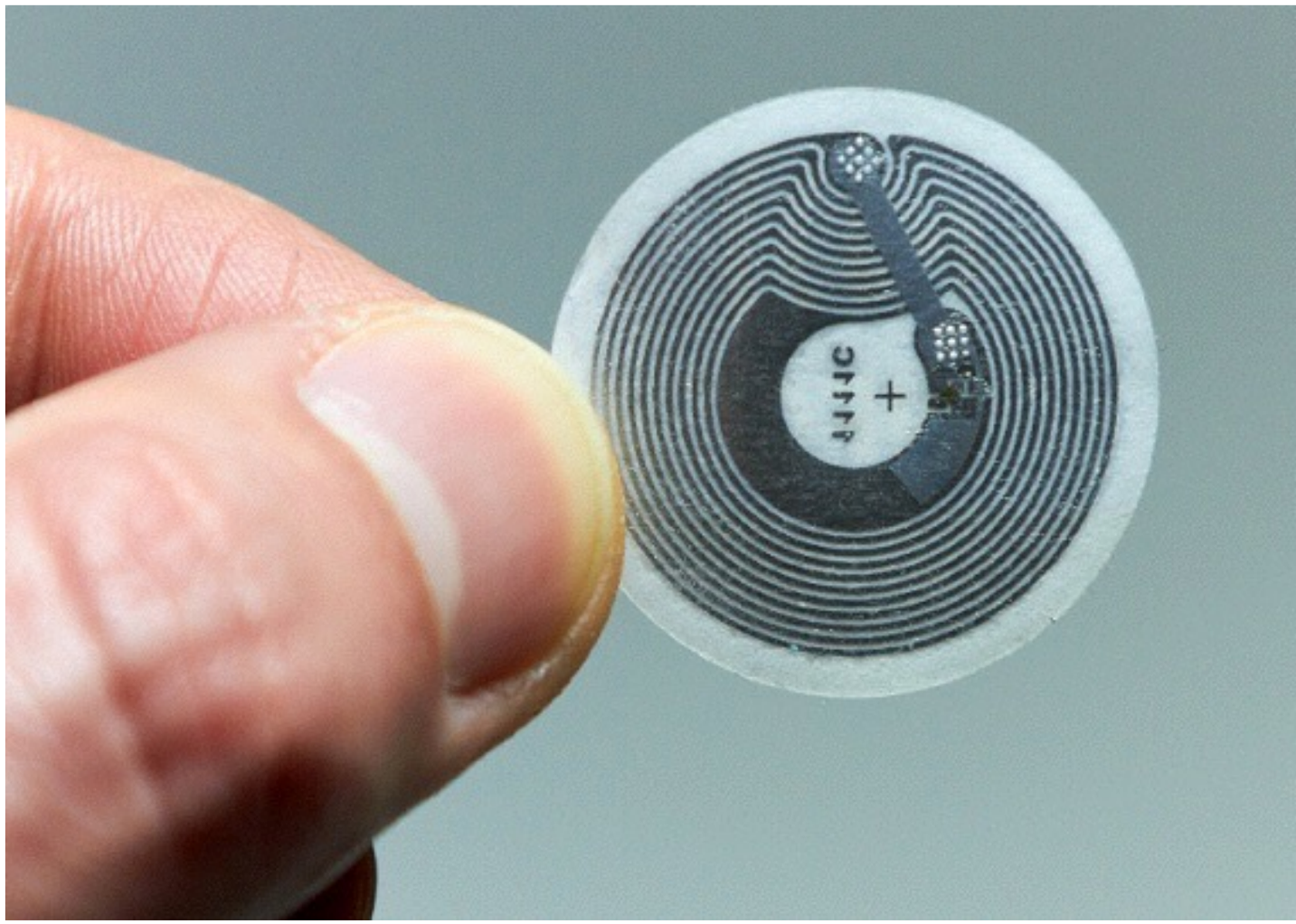
PRIOR ART - Washing Label Scanner app



But, Can We Just Pass the process of app? Or Put it as Additional function

Opportunity - NFC

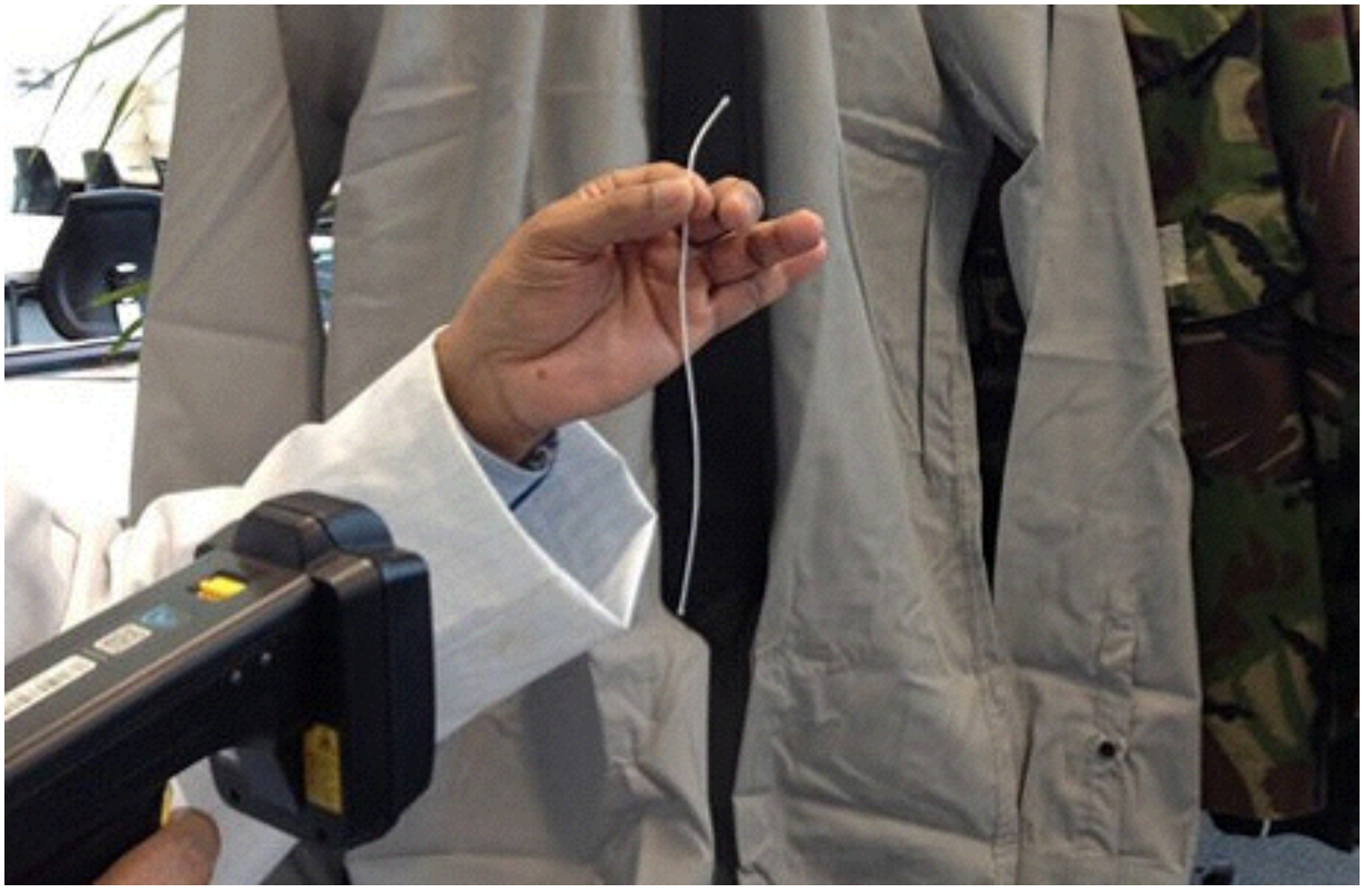
- Trend and Future
- Better than QR code
  - faster
- Better than RFID
  - secured
  - faster
  - accurate



QR Code VS NFC

QR Code		NFC
	Technology Adoption	
Universal, every smartphone can read		Only NFC-enabled phones can read NFC tags (around 31%)
	How It Works	
SCAN: Need a QR Code scanner app		TAP: Just bring your phone near the NFC tag
	Design	
Restricted customization		Limitless customization
	Pricing	
No unit price		Fixed unit price

Opportunity - NFC



- Trend new technology for NFC code

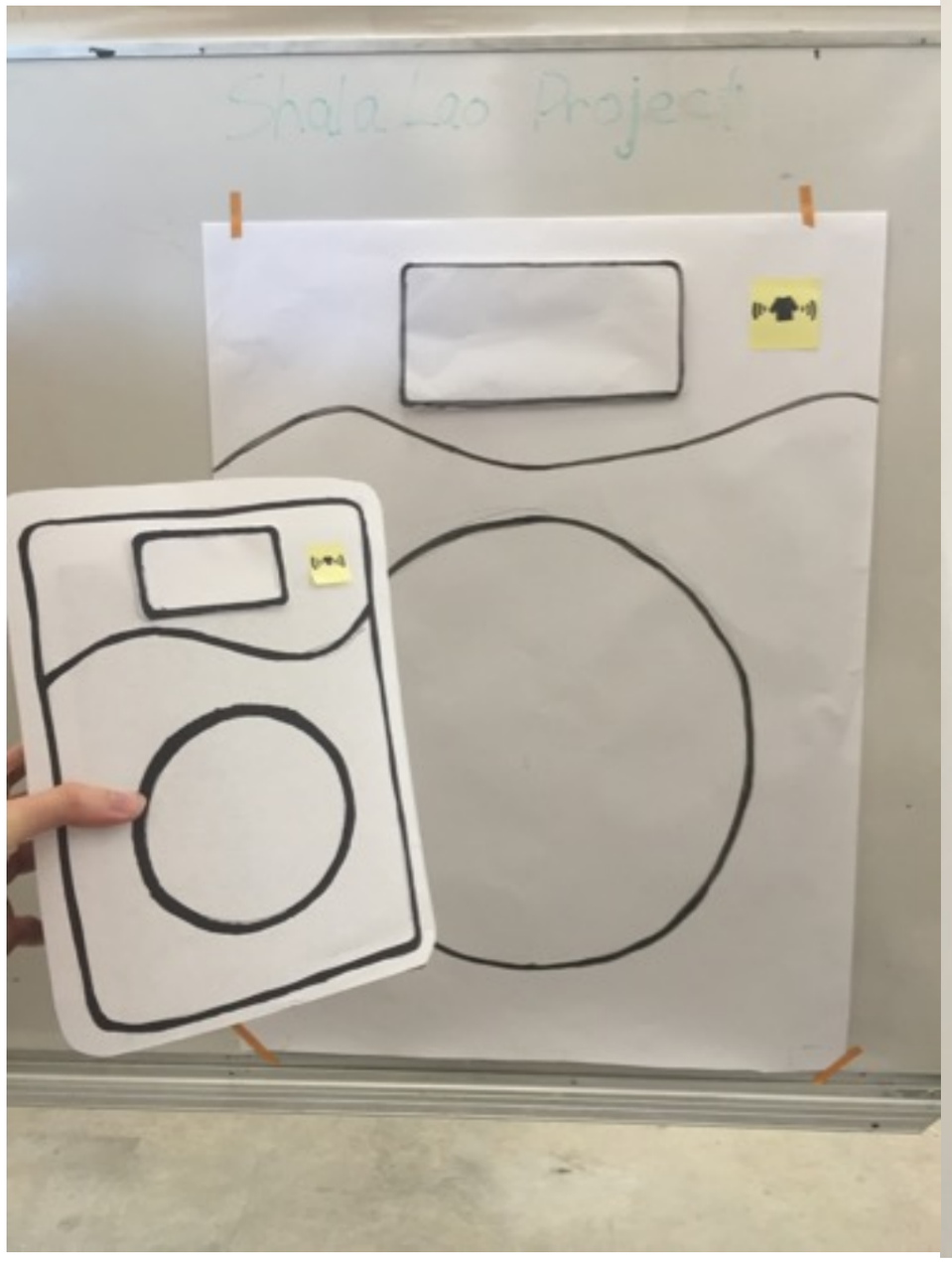
- code inside the fabrics of the clothing

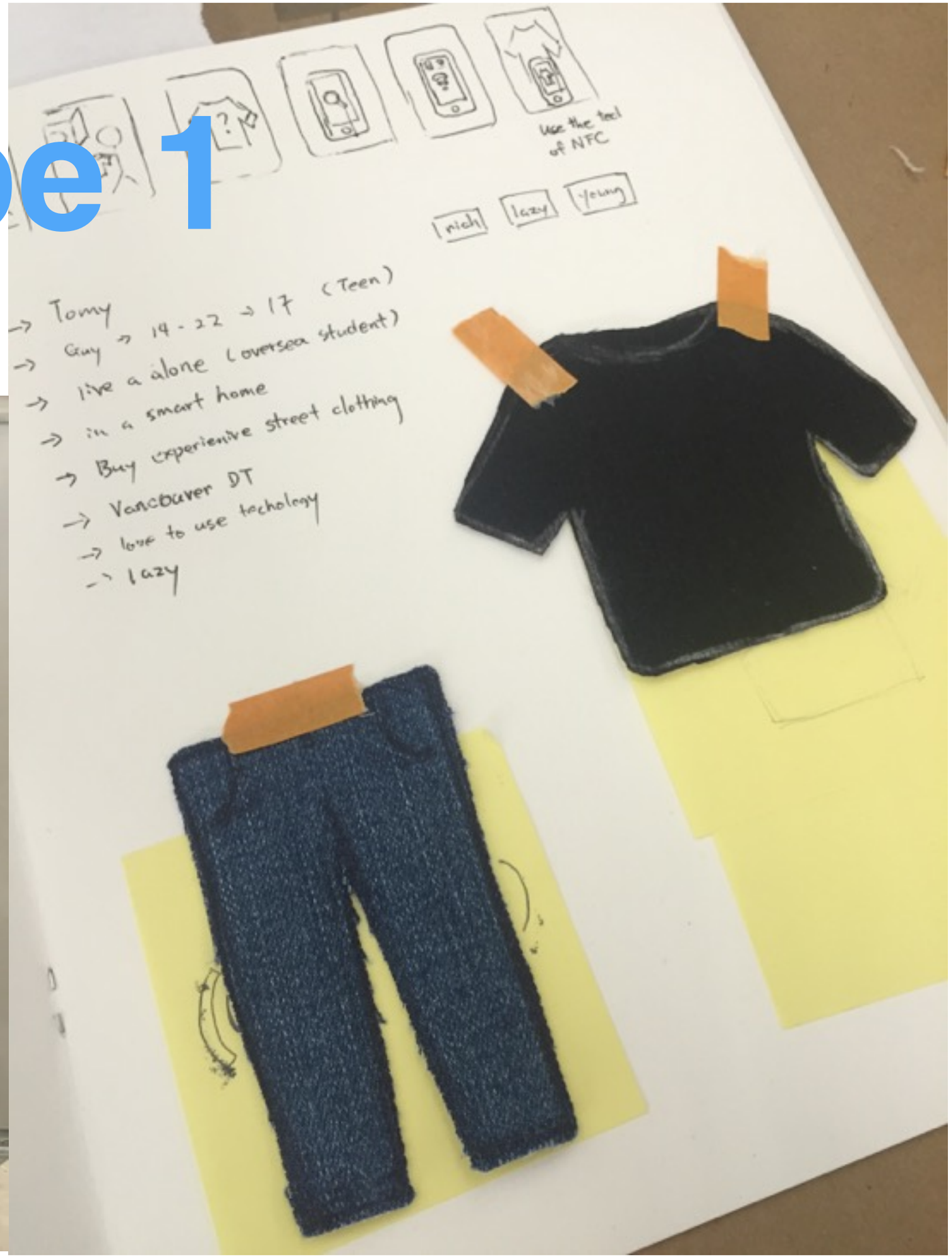
Opportunity - NFC

- Against Water (more than 2 hours), Fire and Ice

Prototype 1

Sensor + NFC Code



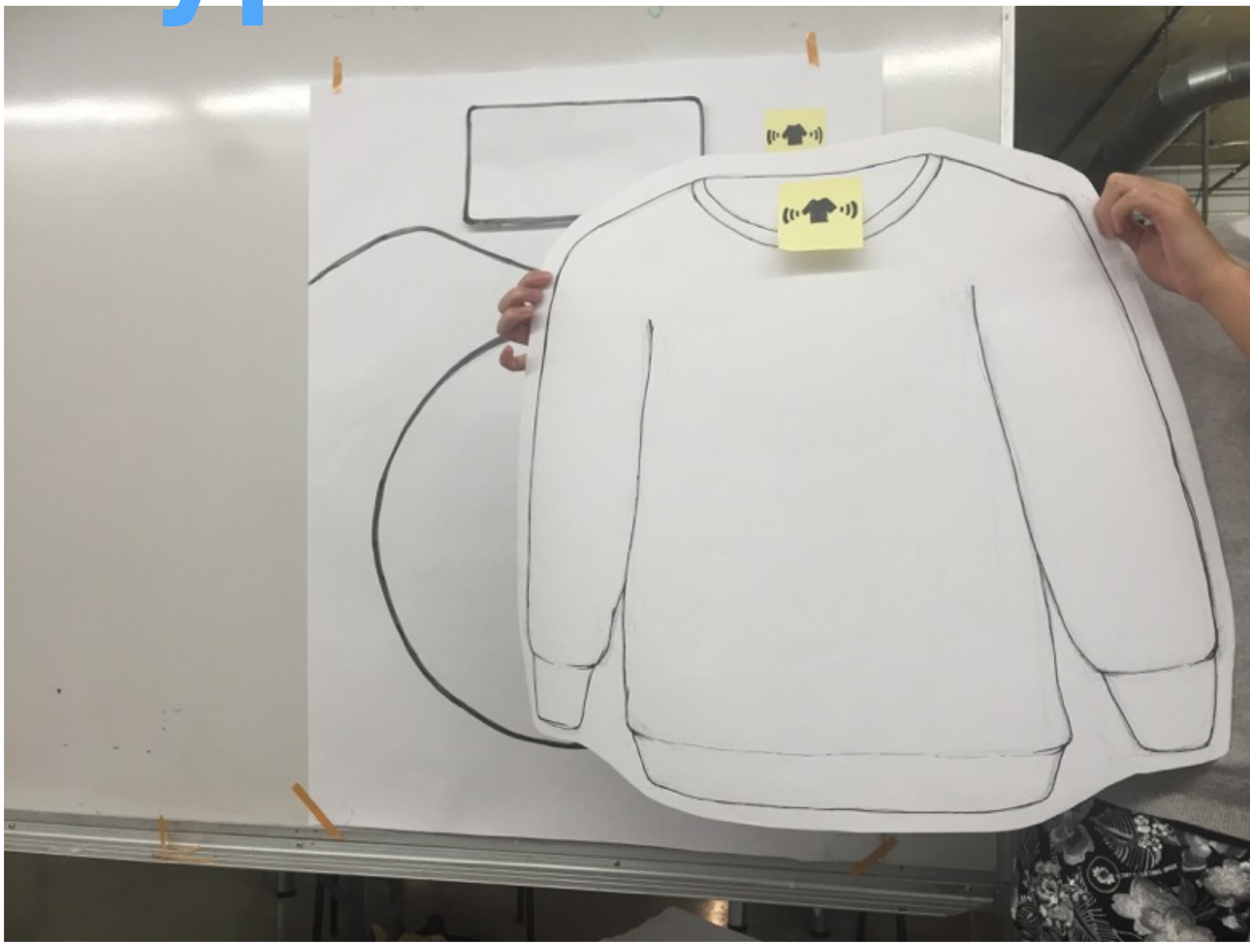


Prototype 1

Sensor + NFC Code

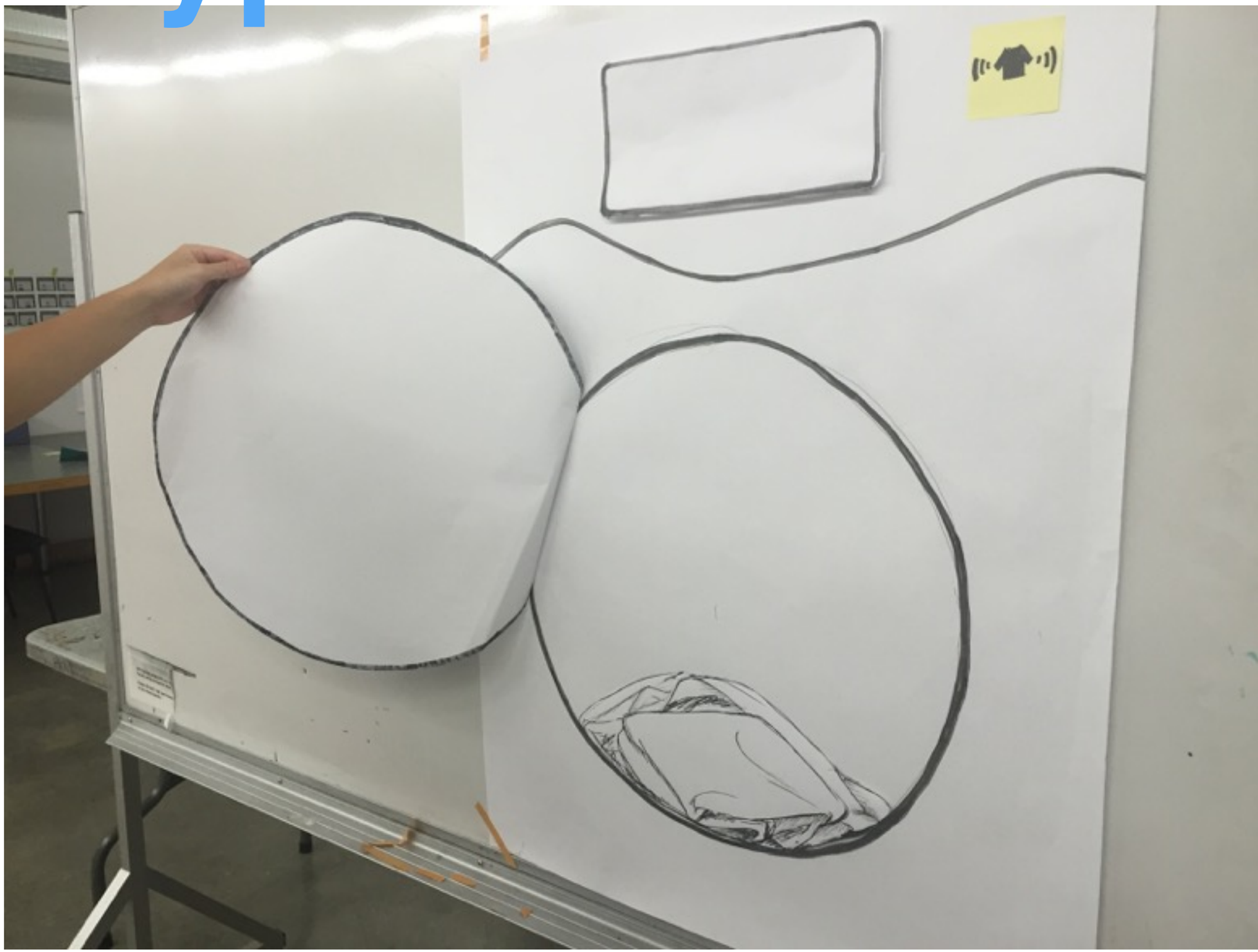
Prototype 1

Sensor + NFC Code



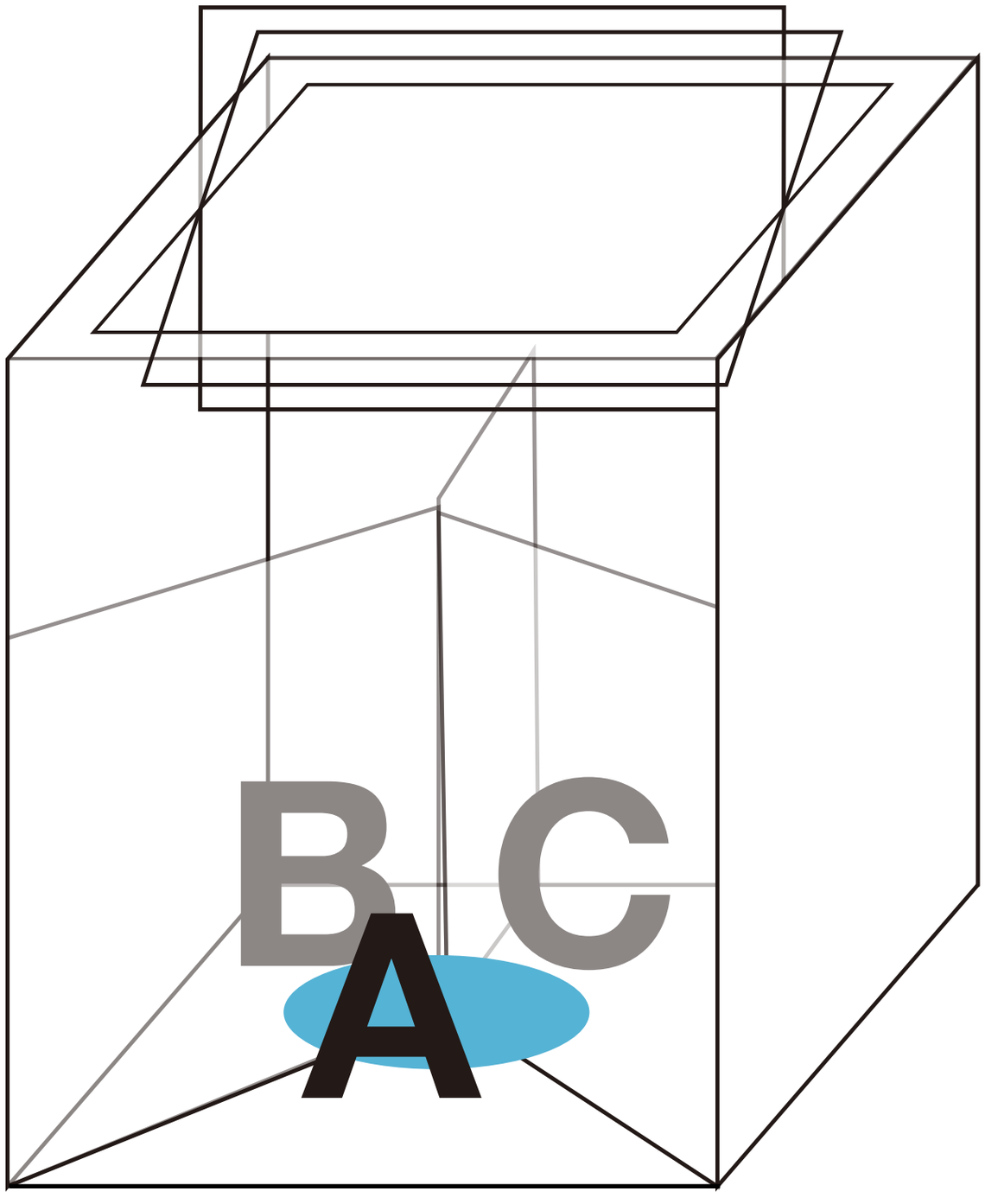
Prototype1

Sensor + NFC Code



But this way can only wash one type of cloth per time

Solution for Prototype1



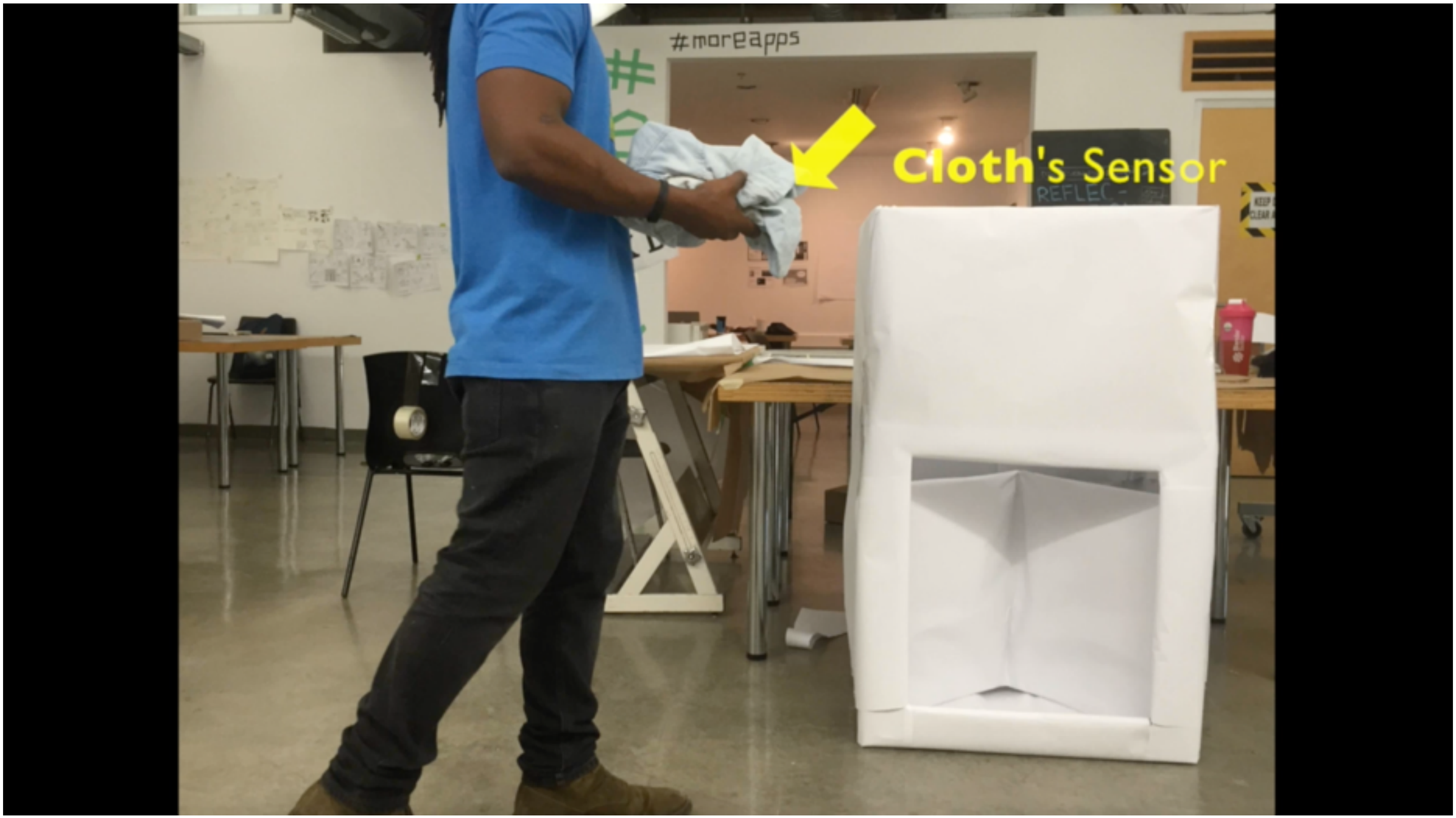
Prototype 2

Auto Sort Washing Machine “LAZY4000”

LAZY 4000
SMART WASHING

“Your smart laundry”

Prototype 2 LAZY4000

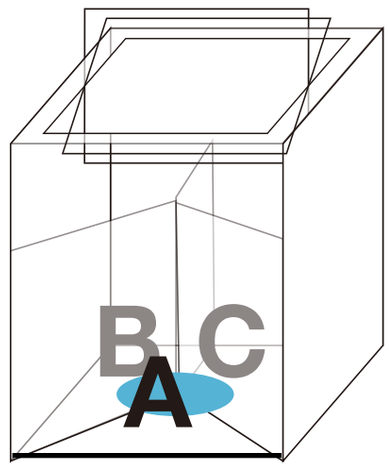


Prototype 2 LAZY4000

Prototype 2 LAZY4000

Prototype 2

LAZY4000



Next Step

- 3D Modeling
- Material