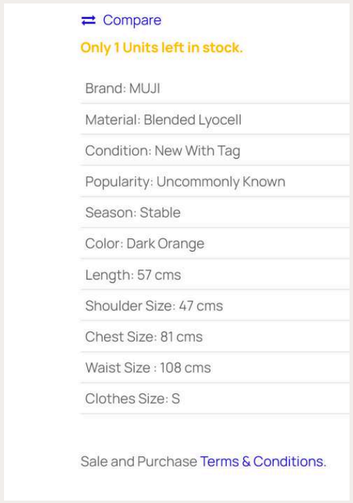
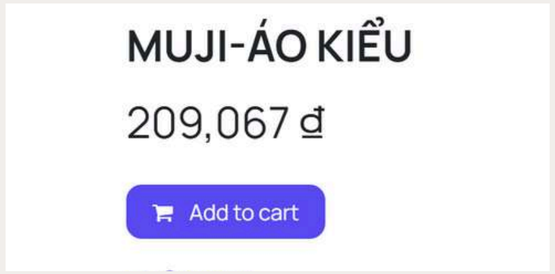
PASSII

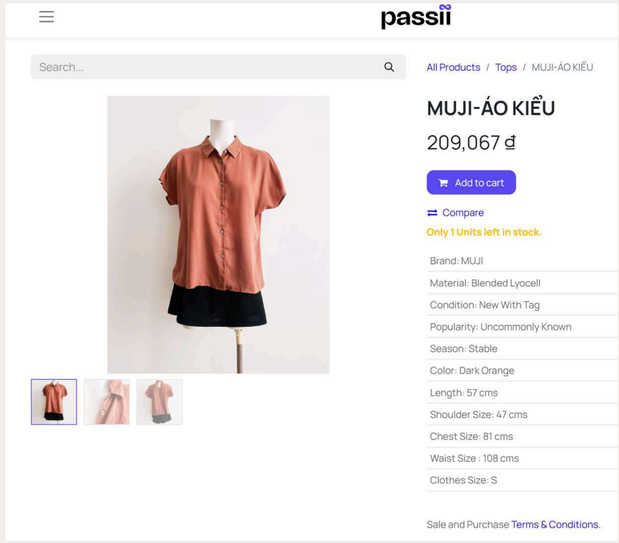
SAIGON, VIETNAM

PASSII PROCESS

Reception → **Itemization** → **Pricing** → **Final negotiation & on sale**







⇄ Compare

Only 1 Units left in stock.

Brand: MUJI

Material: Blended Lyocell

Condition: New With Tag

Popularity: Uncommonly Known

Season: Stable

Color: Dark Orange

Length: 57 cms

Shoulder Size: 47 cms

Chest Size: 81 cms

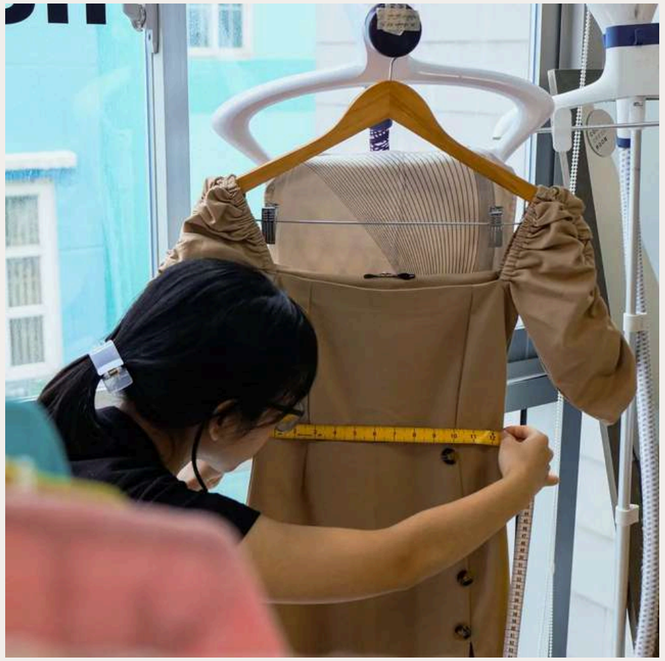
Waist Size : 108 cms

Clothes Size: S

Sale and Purchase Terms & Conditions.

LIST OF ATTRIBUTES

While most attributes are easily recognized, the detailed measurements require meticulous work.

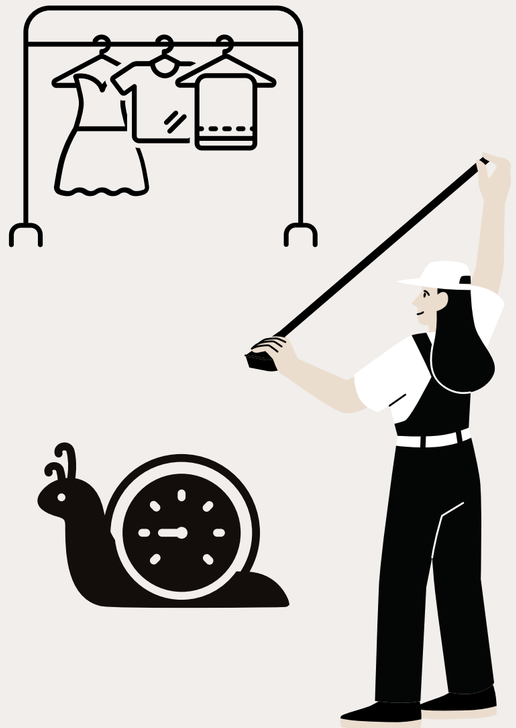


OPPORTUNITY

How might we streamline and enhance the measurement of clothing items using automated image capture?

PROBLEM STATEMENT

Context



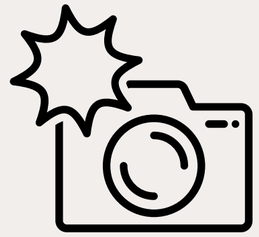
Impact

Reduce returns

Itemization speed

Ability to scale

Objective



speed up listings and ensure **consistency**.

PROPOSED SOLUTION

Automated Measurement System:

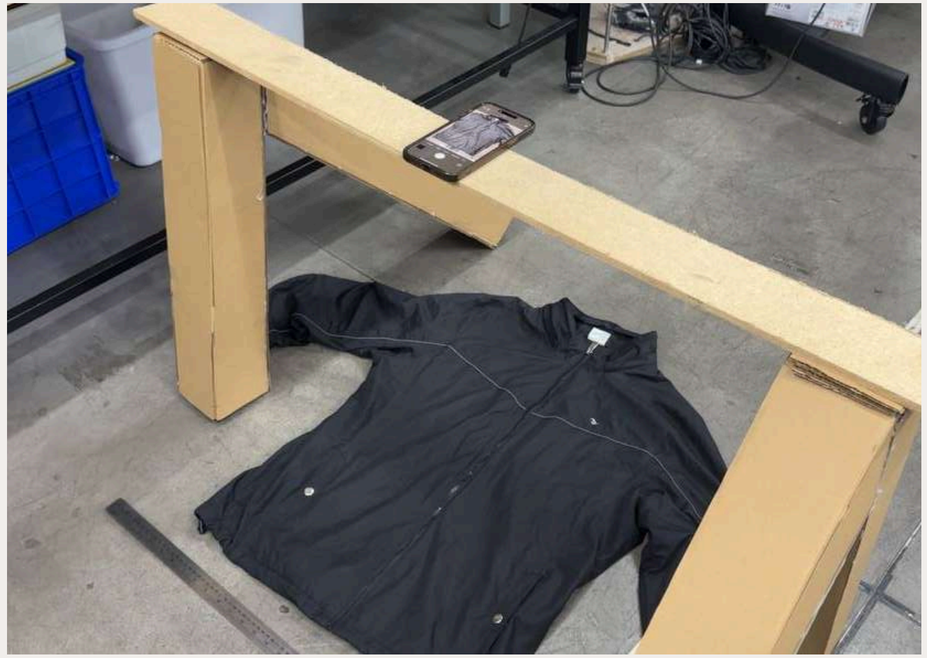
↓

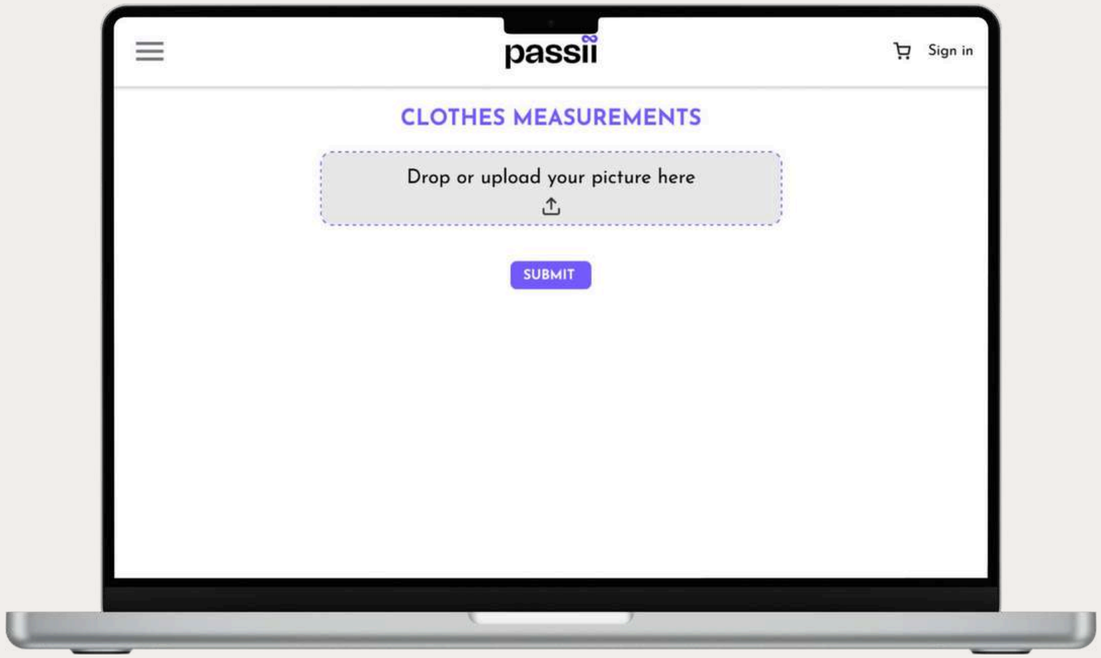
Image Capture Model

↓

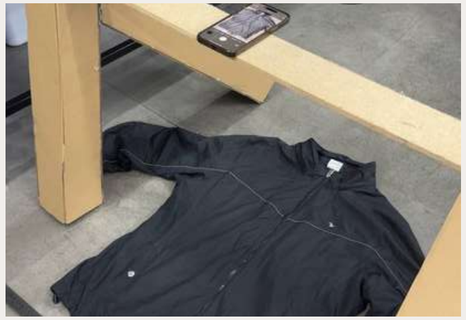
Measurement

MetricX



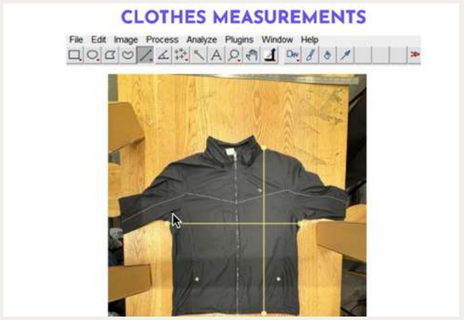

passii
Sign in
CLOTHES MEASUREMENTS
Drop or upload your picture here
SUBMIT

PROCESS



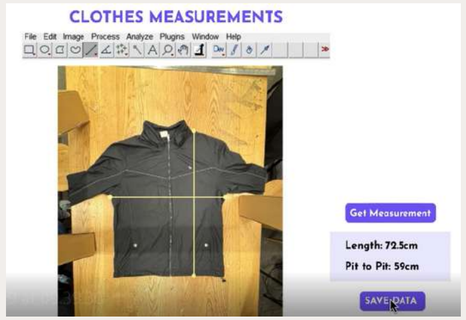
Item Positioning

Staff place the clothing items onto MetricX



Pinpointing Measurement Points

Staff use the MetricX system to identify and mark specific measurement points on the clothing, such as shoulder, waist, and hem.



Automated Measurement

MetricX uses these marked points to accurately measure the clothing's dimensions

A	B	C
Clothing Number	Length (cm)	Pit to Pit (cm)
48953498	72.5	59
24186580	64.5	51
98023735	56	48.5

Data Entry

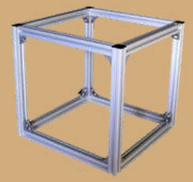
The measurement data is automatically entered into a database system, streamlining the process and reducing manual data entry errors.

Item	Actual Length	MetricX Length	Actual Width	MetricX Width
Womens Oversized Tee 	70cm	69cm	53.5cm	53.8cm
Long-sleeved Top 	46.5cm	46cm	34cm	34cm
Mini Skirt 	32cm	32.1cm	33cm	33cm
Mean Absolute Error	~0.53cm		0.1cm	

LIFE CYCLE ANALYSIS

Aluminium Extrusion

Choices of Material



Environmental Impact

End of Life Analysis

PolyLactic Acid (PLA)

Choices of Material

Environmental Impact

End of Life Analysis

PLA

FUTURE OPPORTUNITIES

1) Implement Machine Learning:

Develop machine learning models that automatically identify measurement coordinates and detect clothing materials, eliminating manual input and streamlining the process.

2) Color Analysis:

Implement a feature that captures photos of clothing, identifies the exact color code using an eyedropper tool, and categorizes the item based on that code to improve color accuracy and enhance the customer shopping experience.

THANK YOU!

Do you have any questions?