
Group B

Polaristique

"EMBRACE THE POWER OF CONTRAST, WHERE EVERY PIECE TELLS A STORY OF TIMELESS STYLE AND BOLD INDIVIDUALITY."

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Overview

Overview

提升線上購物體驗：

- 整合 Hugging Face API 的虛擬試穿技術
- 允許顧客上傳照片，模擬穿著衣物和配件的效果
- 根據身形和喜好推薦服裝搭配

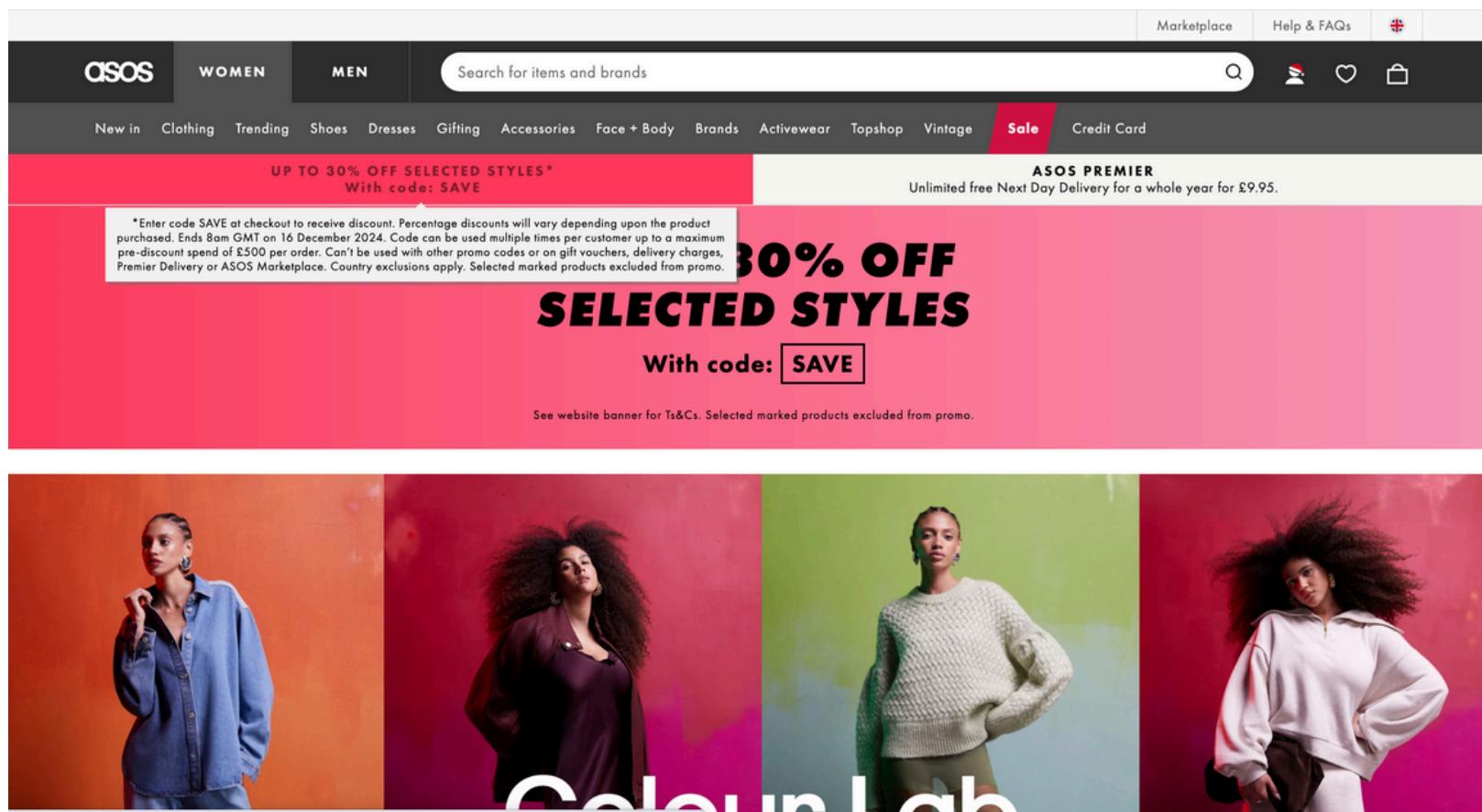
解決線上購物挑戰：

- 解決無法試穿商品的問題
- 加強顧客與品牌之間的互動

Frontend

Reference

在前端頁面的製作，我們參考了多個線上的服飾購物網站，
包含英國著名的時裝網站Asos、日本的GU



Frontend Design



由polarity和boutique組合而成，符合黑白配色兩極性

外觀設計

- 黑白簡約風格
 - 色塊組合的排版，讓使用者能夠輕鬆、舒適的瀏覽內容。
 - 有高級服飾品牌的感覺

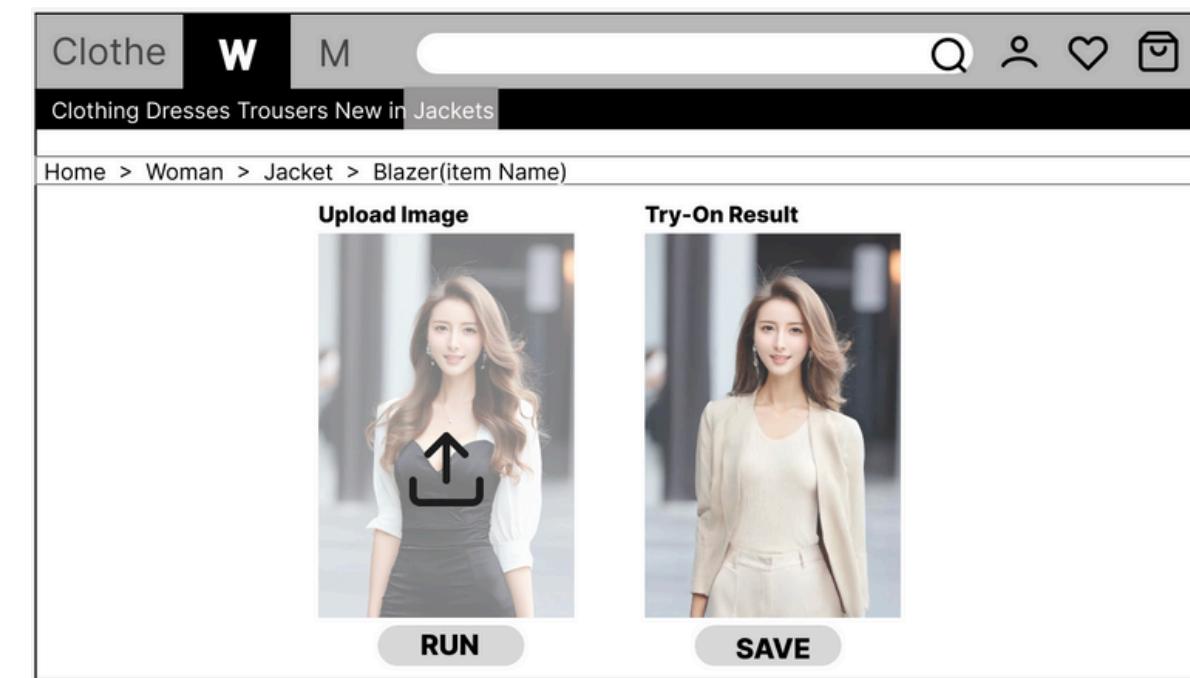
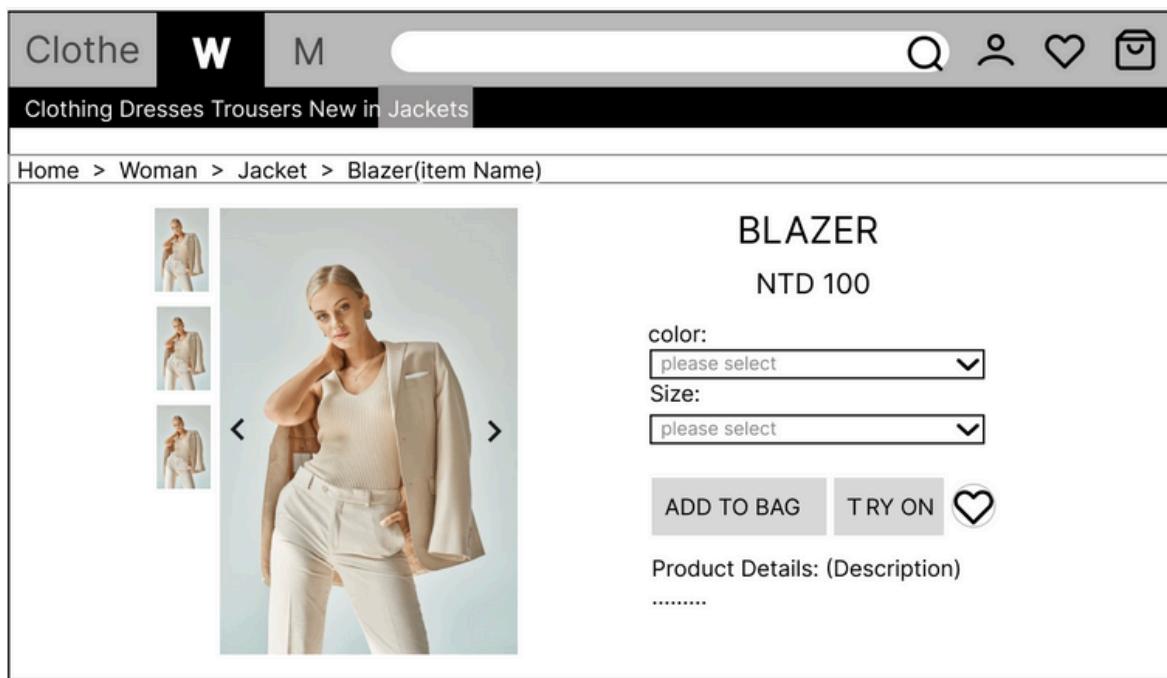
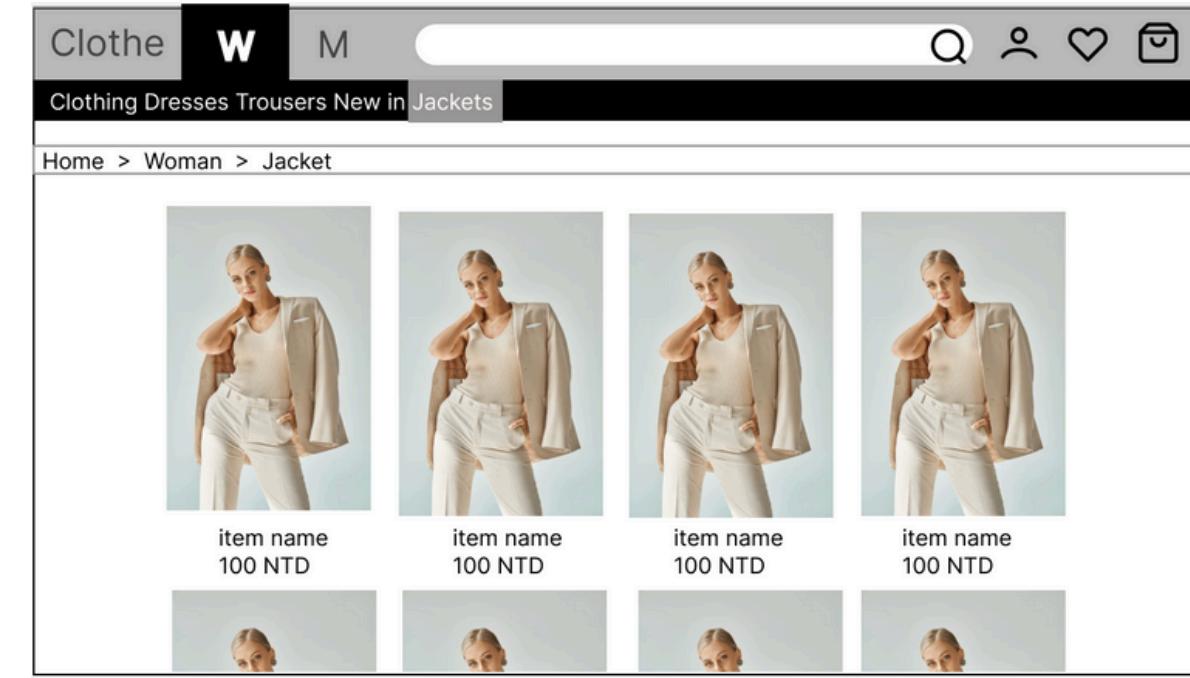
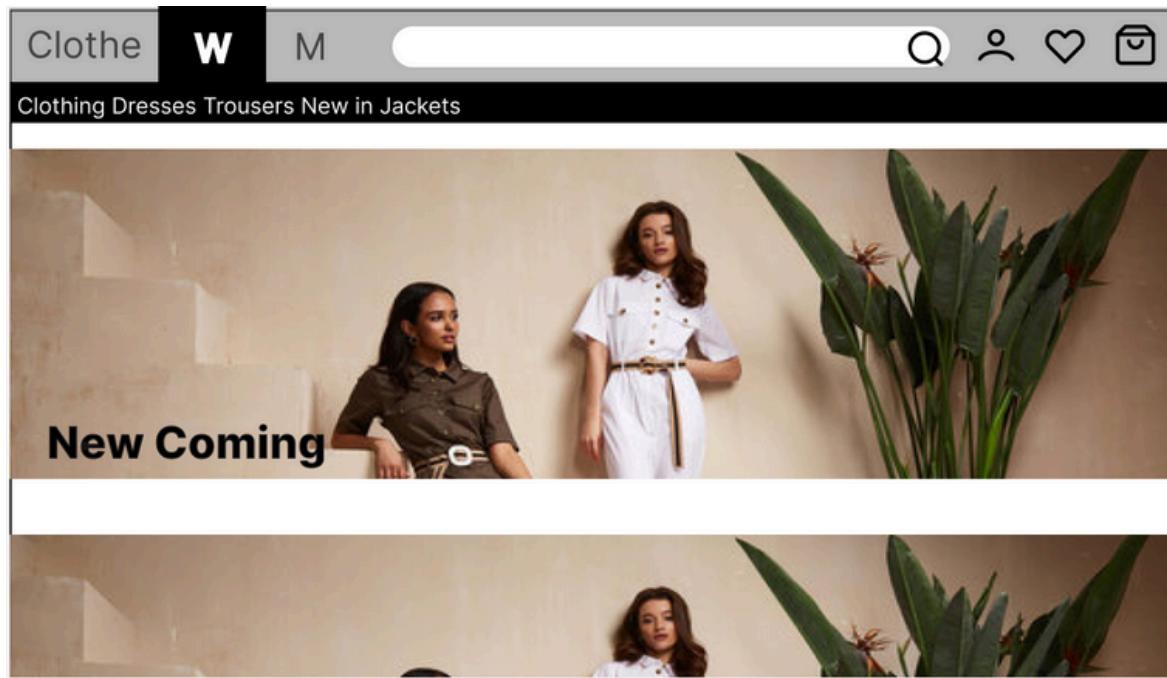
功能設計

- 主要網頁瀏覽
- 用戶資訊
- 購物

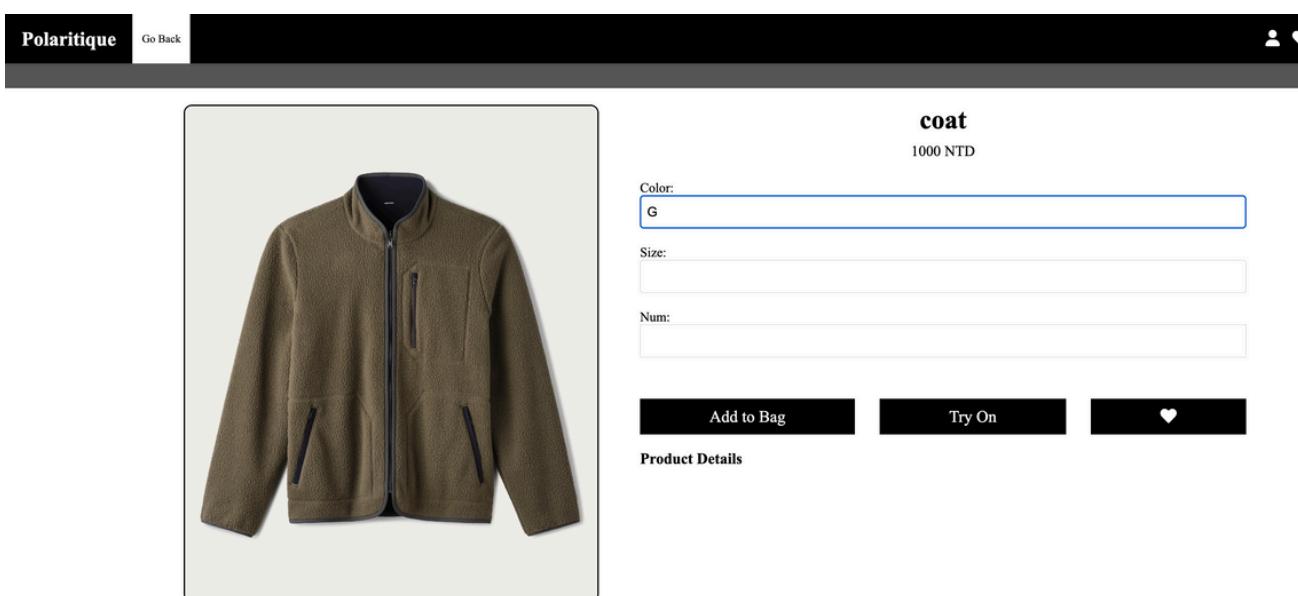
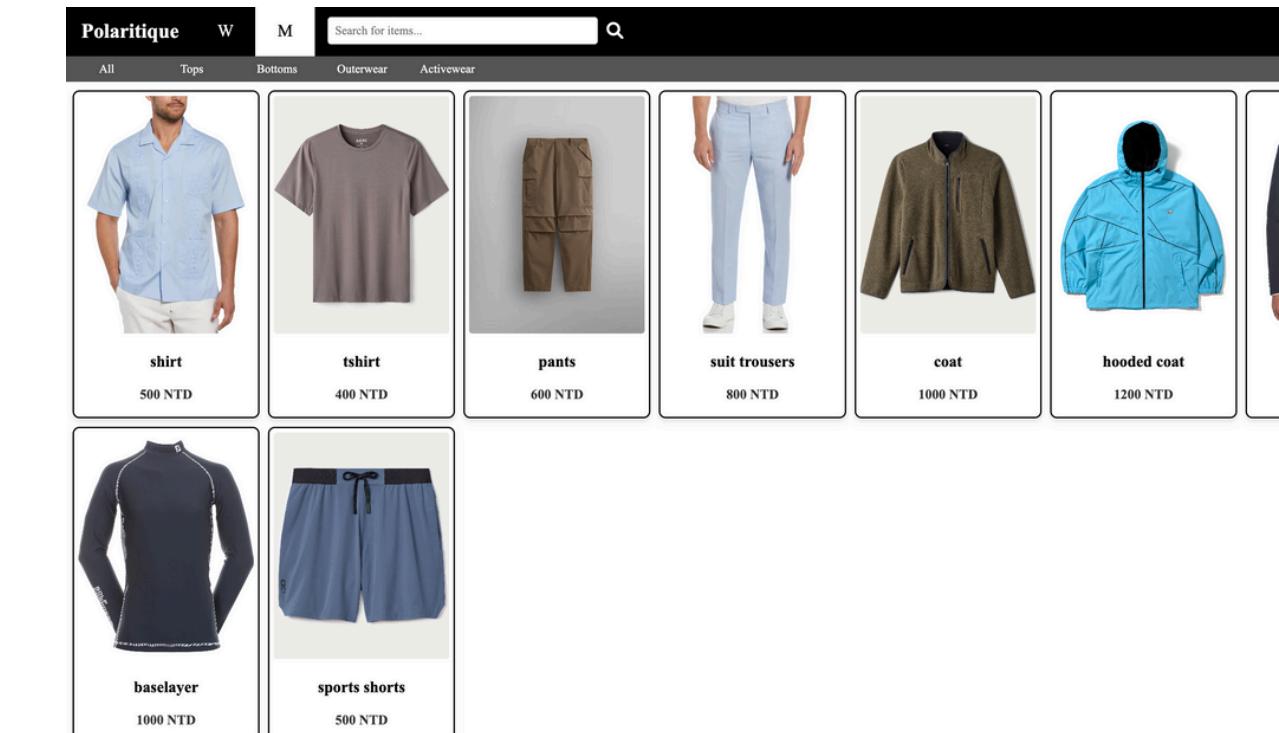
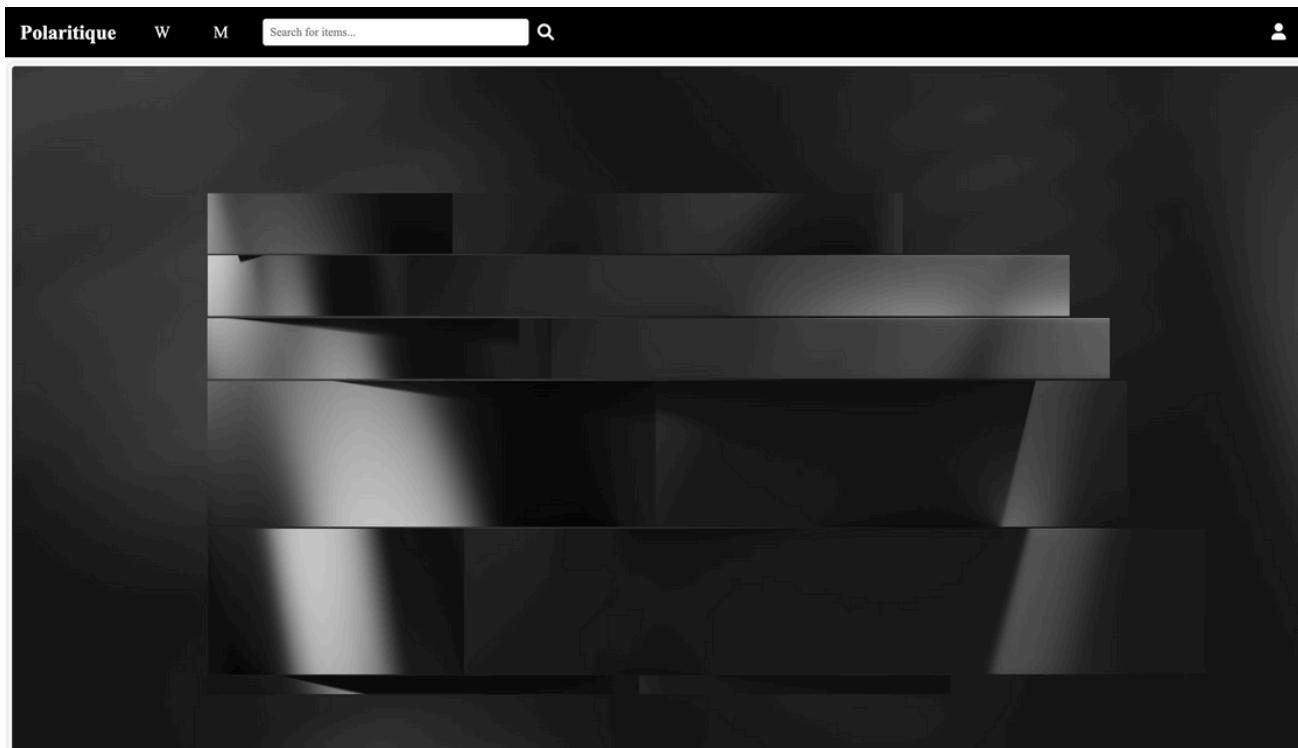
前端架構

- 沒有使用前端框架，僅使用簡單的html, css還有javascript.

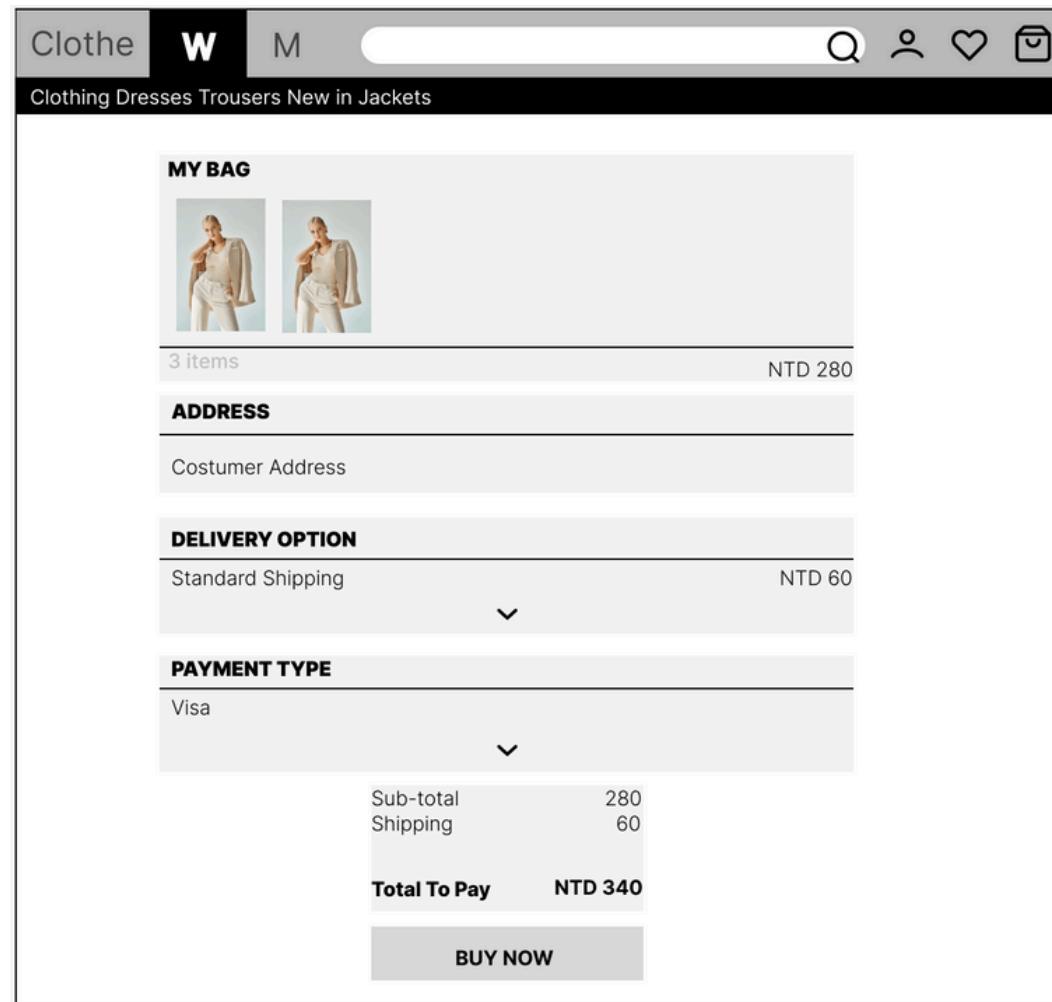
Frontend Design---Figma



Frontend Design---Implementation



Frontend Design---Figma



A mobile application interface for an order confirmation. At the top, there are gender filters for 'W' (Women) and 'M' (Men). Below the header is a search bar and a navigation bar with icons for search, user profile, heart, and message. The main content area displays a confirmation message and delivery details:

- IT'S ORDERED !**
- Hi Dear Costumer your order have been received!
- Order Number: 000000
- Order Date: Sunday, 24 Nov 2024
- Delivery Details**
- ADDRESS DETAILS**

Below this is another mobile interface showing a list of saved items:

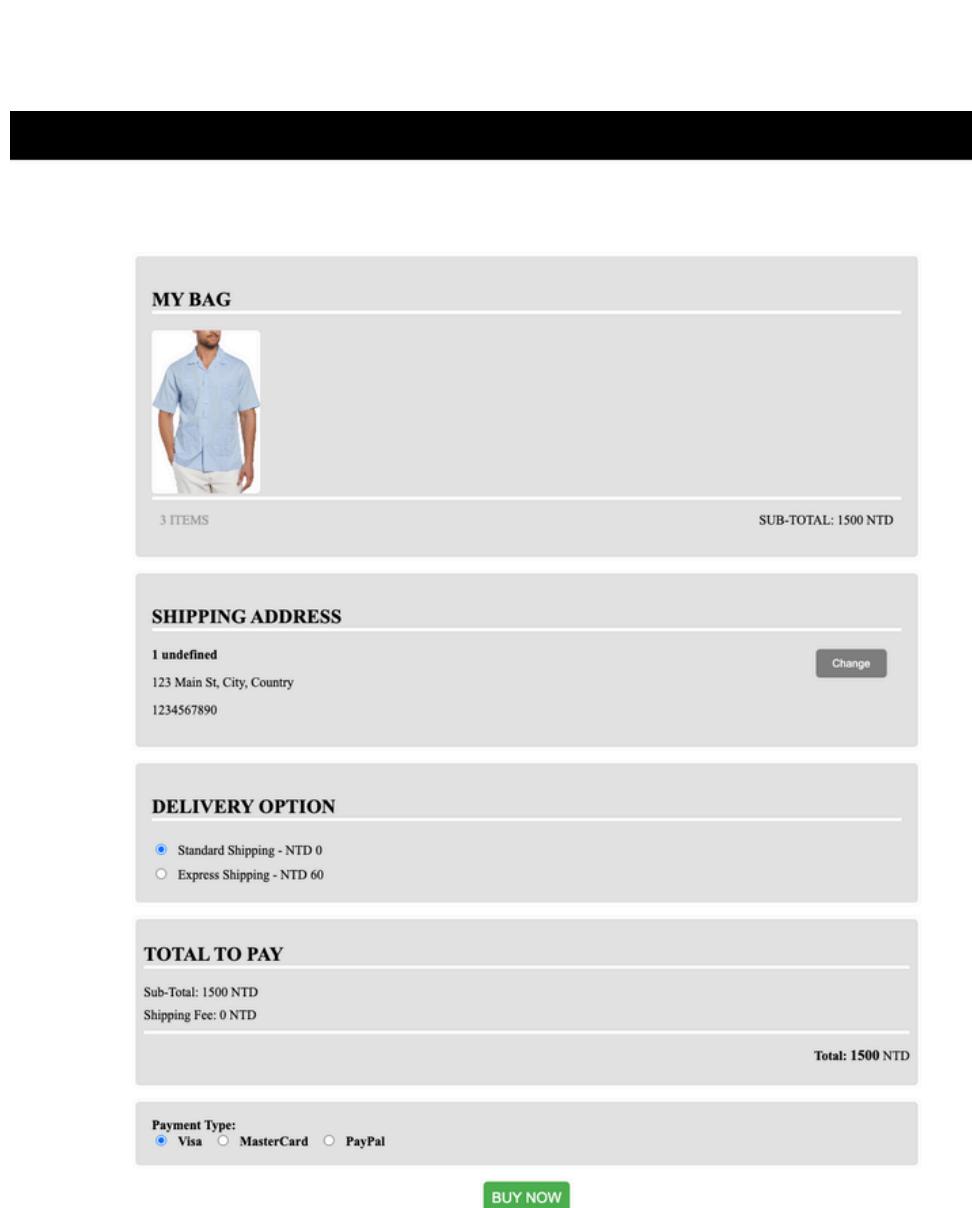
SAVED ITEMS

item name	100 NTD	size and color	MOVE TO BAG
item name	100 NTD	size and color	MOVE TO BAG
item name	100 NTD	size and color	MOVE TO BAG
item name	100 NTD	size and color	MOVE TO BAG

A mobile application interface for a shopping cart. At the top, there are gender filters for 'W' (Women) and 'M' (Men). Below the header is a search bar and a navigation bar with icons for search, user profile, heart, and message. The main content area displays a summary of items:

MY BAG	TOTAL
NT\$ 100 Blazer White M QTY 2	Sub-total 280
NT\$ 80 Blazer Black M QTY 1	Delivery
CHECK OUT	

Frontend Design---Implementation



Polaristique W M

MY BAG

3 ITEMS SUB-TOTAL: 1500 NTD

SHIPPING ADDRESS

I undefined
123 Main St, City, Country
1234567890

DELIVERY OPTION

Standard Shipping - NTD 0
 Express Shipping - NTD 60

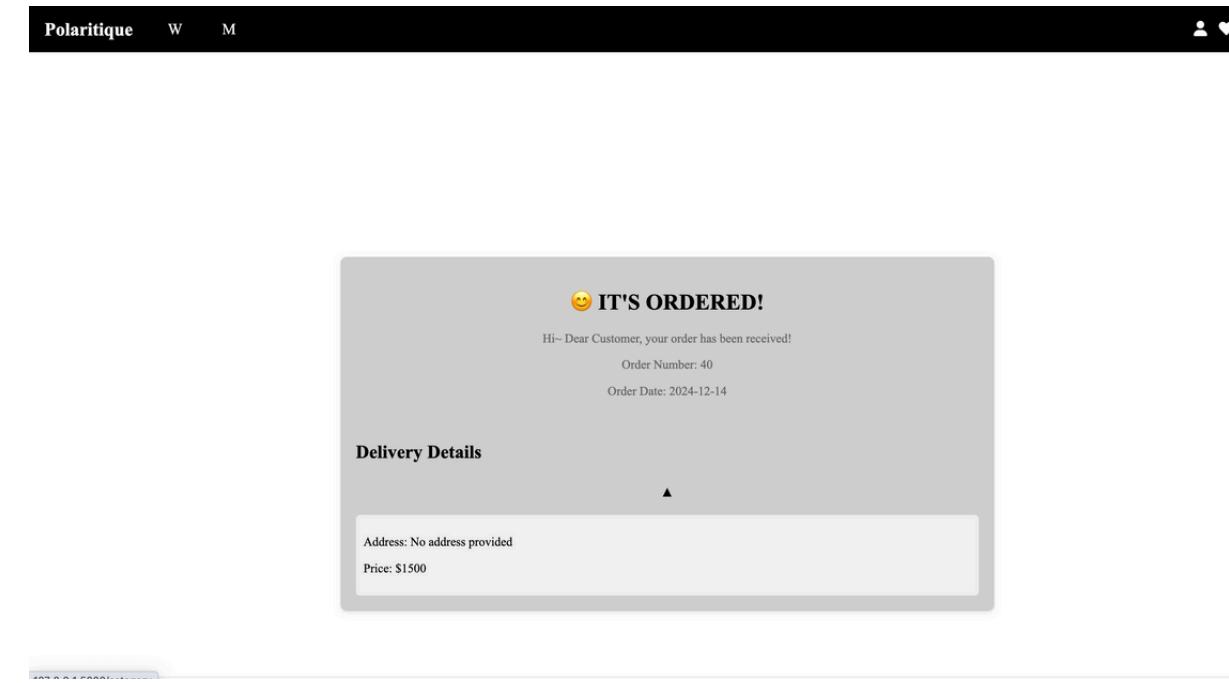
TOTAL TO PAY

Sub-Total: 1500 NTD
Shipping Fee: 0 NTD

Total: 1500 NTD

Payment Type:
 Visa MasterCard PayPal

BUY NOW



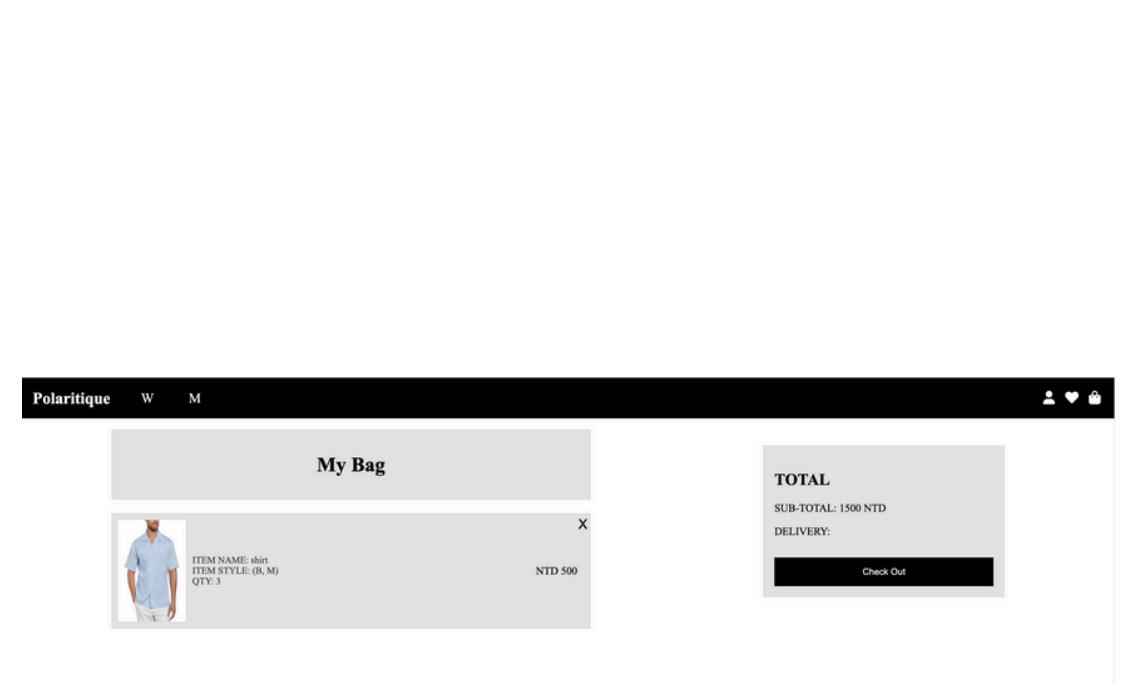
Polaristique W M

IT'S ORDERED!

Hi~ Dear Customer, your order has been received!
Order Number: 40
Order Date: 2024-12-14

Delivery Details

Address: No address provided
Price: \$1500



Polaristique W M

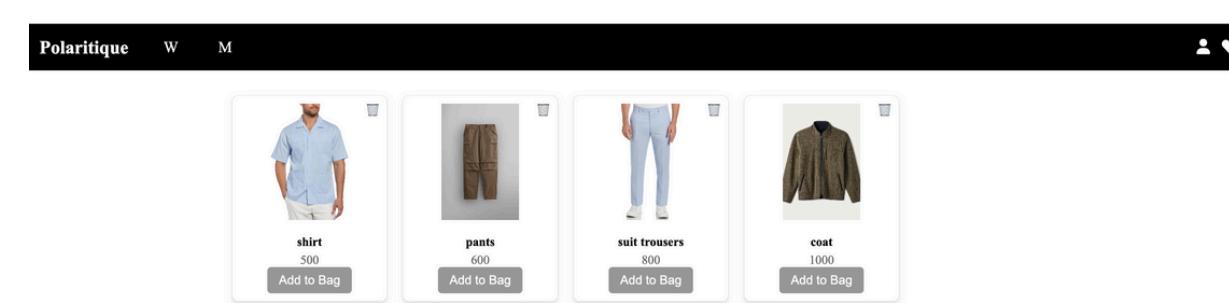
My Bag

ITEM NAME: shirt
ITEM STYLE: (R, M)
QTY: 3 NTD 500

TOTAL

SUB-TOTAL: 1500 NTD
DELIVERY:

Check Out



Polaristique W M

shirt 500 Add to Bag pants 600 Add to Bag suit trousers 800 Add to Bag coat 1000 Add to Bag

Frontend Design---Figma

Clothe

MY ACCOUNT

SIGN IN

USER NAME
FIRST NAME

LAST NAME

PHONE

EMAIL

BIRTHDAY

GENDER

PASSWORD
Your password must be at least 8 characters long. It's recommended to include uppercase letters, lowercase letters, numbers, and special characters.

PASSWORD (CONFIRM)

Clothe

MY ACCOUNT

LOG IN

ACCOUNT

EMAIL / PHONE

PASSWORD

SIGN IN

Clothe

MY ACCOUNT

FL Hi ! (UserName)

USER DETAIL

MY ORDER



Clothe

Clothe

MY ACCOUNT

FL Hi ! (UserName)

MY DETAILS

MY ORDERS

MY ORDERS
Stay updated on the latest status of your orders.

In Progress	Completed	Canceled	Returned
	Fantasy Dress Size: F Color: Blue <input type="text"/> \$ 799 Order Date: 2024/11/15 Ideal Received Date: 2024/11/18 - 2024/11/20 More Details		
	Fantasy Dress Size: L Color: Pink <input type="text"/> \$ 499 Order Date: 2024/11/18 Ideal Received Date: 2024/11/21 - 2024/11/23 More Details		

Clothe

MY ACCOUNT

FL Hi ! (UserName)

MY DETAILS

FIRST NAME

LAST NAME

PHONE

EMAIL

BIRTHDAY

GENDER

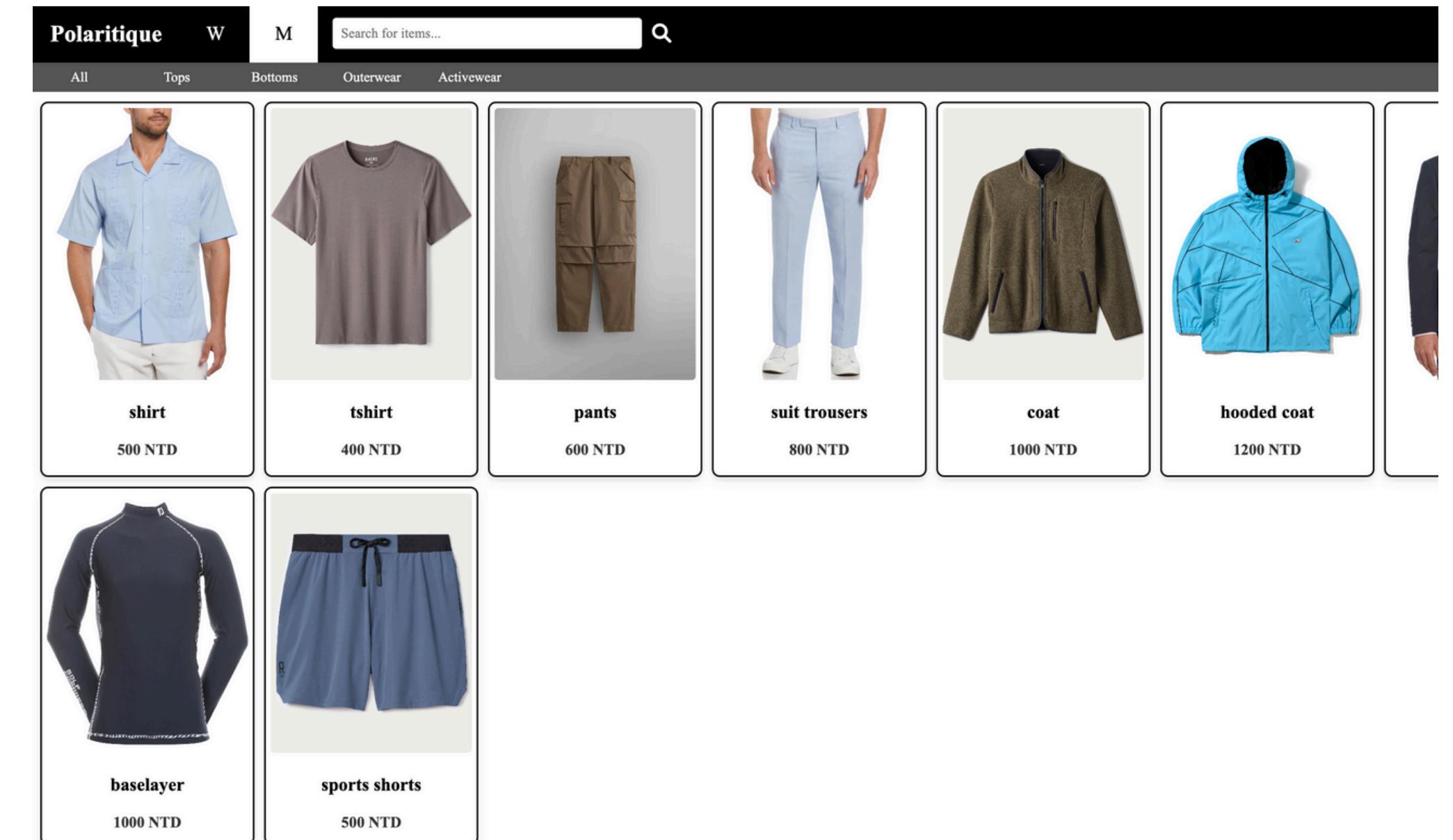
Frontend Design---Implementation

The image displays six screenshots illustrating the implementation of a user account interface for the brand 'Polaristique'. The interface includes sections for 'MY ACCOUNT', 'SIGN IN', 'USER DETAILS', 'MY ORDERS', and 'MY DETAILS'.

- Top Left:** 'SIGN IN' screen. It features two tabs: 'LOG IN' (active) and 'SIGN IN'. The 'LOG IN' tab contains fields for 'Account' (Email or Phone) and 'Password', with a 'SUBMIT' button. The 'SIGN IN' tab contains a 'New User' button.
- Top Right:** 'MY ACCOUNT' screen. It shows a user profile with the name 'B3 Hi! barry 321'. Below the profile are sections for 'USER DETAILS', 'MY ORDERS', and a 'SIGN OUT' button. To the right is a promotional image of a woman in a sequined dress.
- Middle Left:** 'SIGN IN' screen. This version includes additional fields for 'First Name', 'Last Name', 'Phone', 'Email', 'Birthday' (date input), 'Gender' (Male/Female dropdown), and 'Password'.
- Middle Right:** 'MY ACCOUNT' screen. It shows the same user profile and sections as the top-right screenshot, but the 'MY ORDERS' section is expanded to show two specific order details:
 - Order ID: 13 (tshirt):** Size: XS, Color: SM, Order Date: 2024-12-14, Ideal Received Date: 2024-12-17, Price: 400, Purchase Quantity: 1, 400 NTD.
 - Order ID: 14 (pants):** Size: XS, Color: BR, Order Date: 2024-12-16.
- Bottom Left:** 'SIGN IN' screen. This version includes all the fields from the middle-left screenshot, plus a 'Password' field.
- Bottom Right:** 'MY DETAILS' screen. It shows the user's personal information:
 - First Name:** barry
 - Last Name:** 321
 - Phone:** 0900000000
 - Email:** barry@gmail.com
 - Birthday:** 2024/12/11
 - Gender:** Male

Frontend---Key Page Description

- 服裝可以依照類別選擇
 - W, M分別代表男女服裝
 - 第二欄灰色的部分可以選擇類別(e.g. outerwear)
- 點擊圖片可以進入商品頁面
- 上面有 search bar 直接搜商品



Frontend---Key Page Description

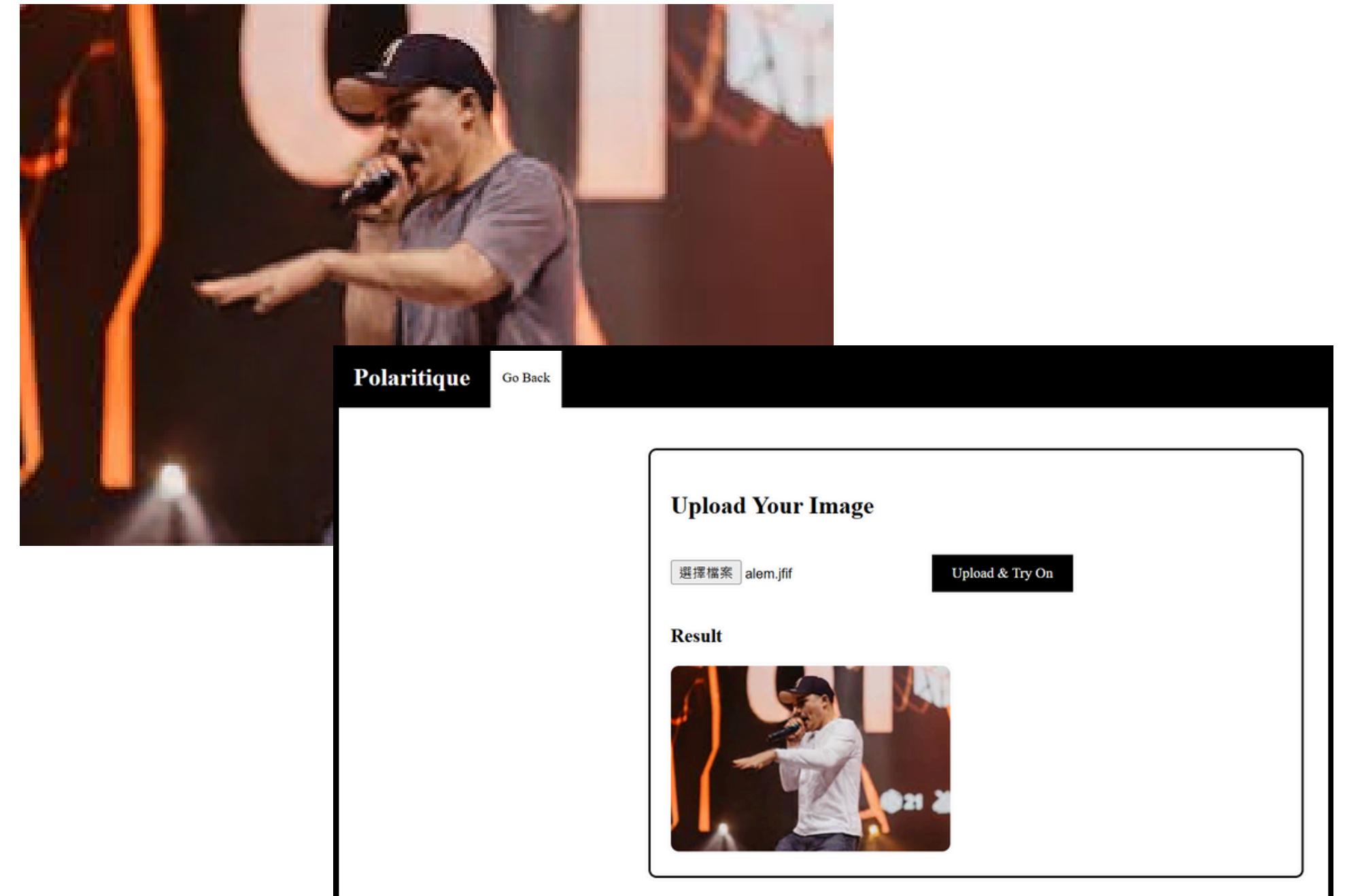
- 後端資料庫 fetch 購物車內容
- 後端 fetch 使用者資訊設為 default 收件人
- 可以選擇修改地址、運費方案以及付款方式

The screenshot shows a shopping cart interface. At the top, it displays "MY BAG" with a small image of a shirt and shorts. Below this, it says "3 ITEMS" and "SUB-TOTAL: 1500 NTD". The next section is "SHIPPING ADDRESS" with a placeholder "1 undefined 123 Main St, City, Country 1234567890" and a "Change" button. The "DELIVERY OPTION" section offers "Standard Shipping - NTD 0" (selected) and "Express Shipping - NTD 60". The "TOTAL TO PAY" section shows "Sub-Total: 1500 NTD", "Shipping Fee: 0 NTD", and a total of "1500 NTD". Below this, there's a "Payment Type" section with radio buttons for "Visa" (selected), "MasterCard", and "PayPal". A green "BUY NOW" button is at the bottom.

The screenshot shows a payment form for MasterCard. It starts with "Payment Type:" and radio buttons for "Visa", "MasterCard" (selected), and "PayPal". The next section is "Enter MasterCard Information" with a "Card Number:" field containing placeholder text "Enter MasterCard Number". Below it is an "Expiry Date:" field with placeholder "MM/YY". The "CVC:" field contains placeholder "CVC". At the bottom is a "Save" button.

Frontend---Key Page Description

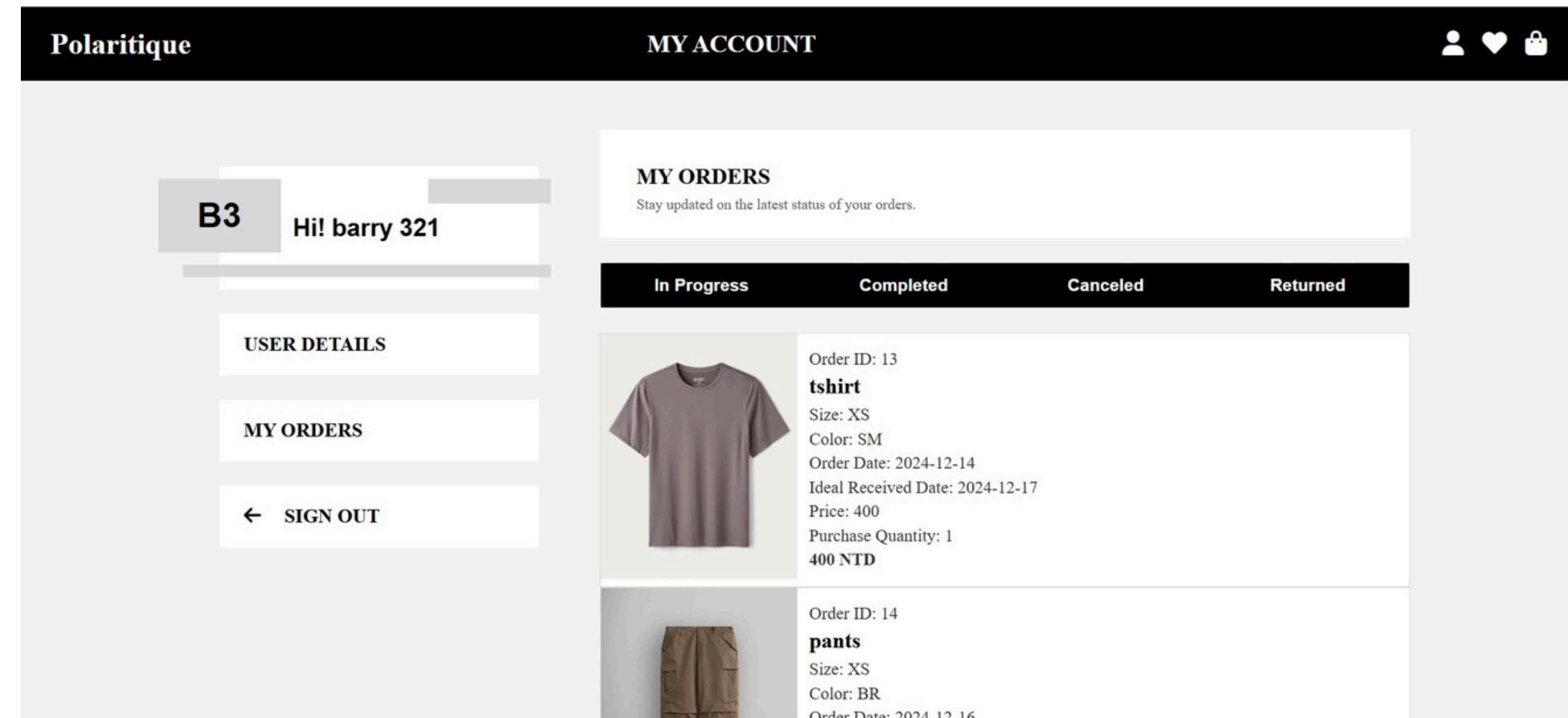
- 使用者上傳照片
- 點擊送出
- 後端透過 API 給網站處理照片
- 呈現給使用者



Frontend---Key Page Description

進入 my account 頁面
可以點擊 my orders
查看多個交易紀錄分類：

- In Progress
- Completed
- Canceled
- Returned



Backend

Backend Design & Implementation

Persistent Connection with Database:

- 開啟一次系統，只會使用 psycopg2 連接一次資料庫
- 有效率
- 但是如果和互動資料庫遇到失敗的狀況會無法再到資料庫拿資料或修改資料

Modularized File Control:

- 每個程式檔案對應到一個 HTML 頁面、一個 JS 檔案會使用到的 API Calls
- 使用 Flask Blueprint 將程式碼分開
- 易於維護

Backend: Try-On Image Generation Issues

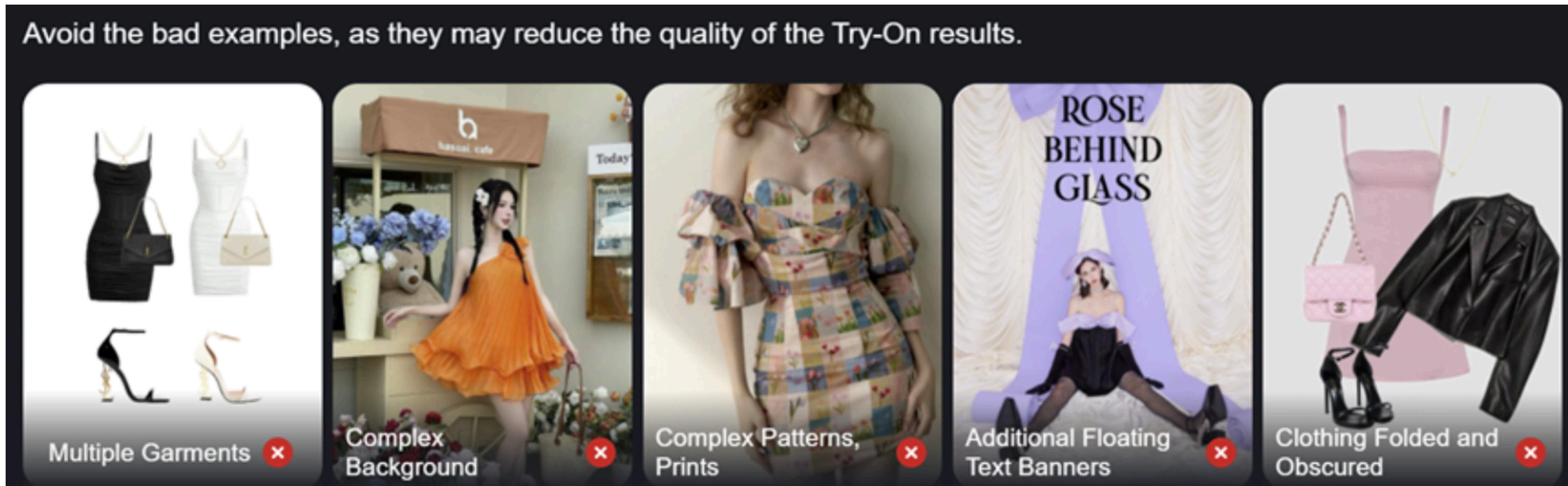


Backend: Try-On Image Generation Issues



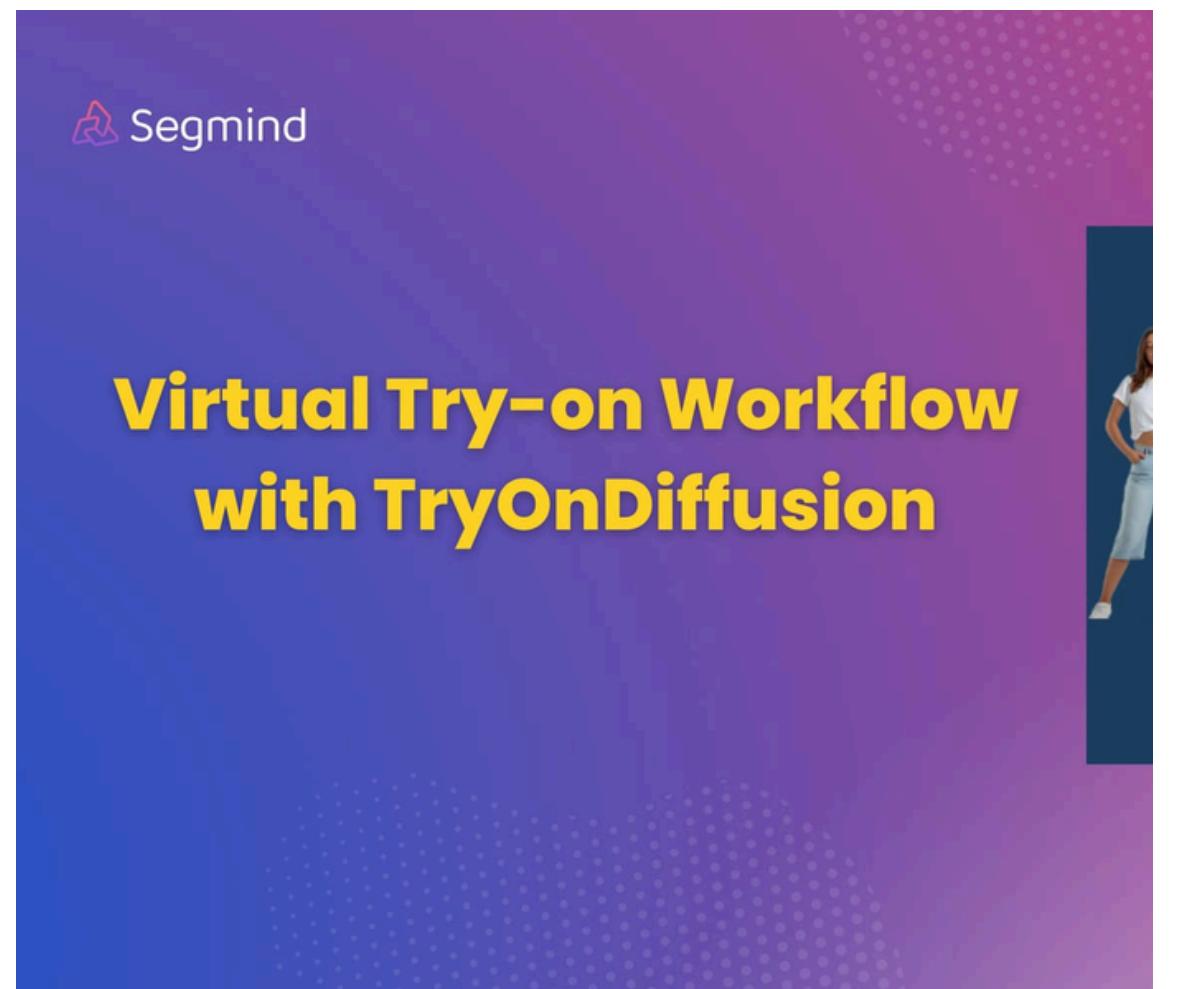
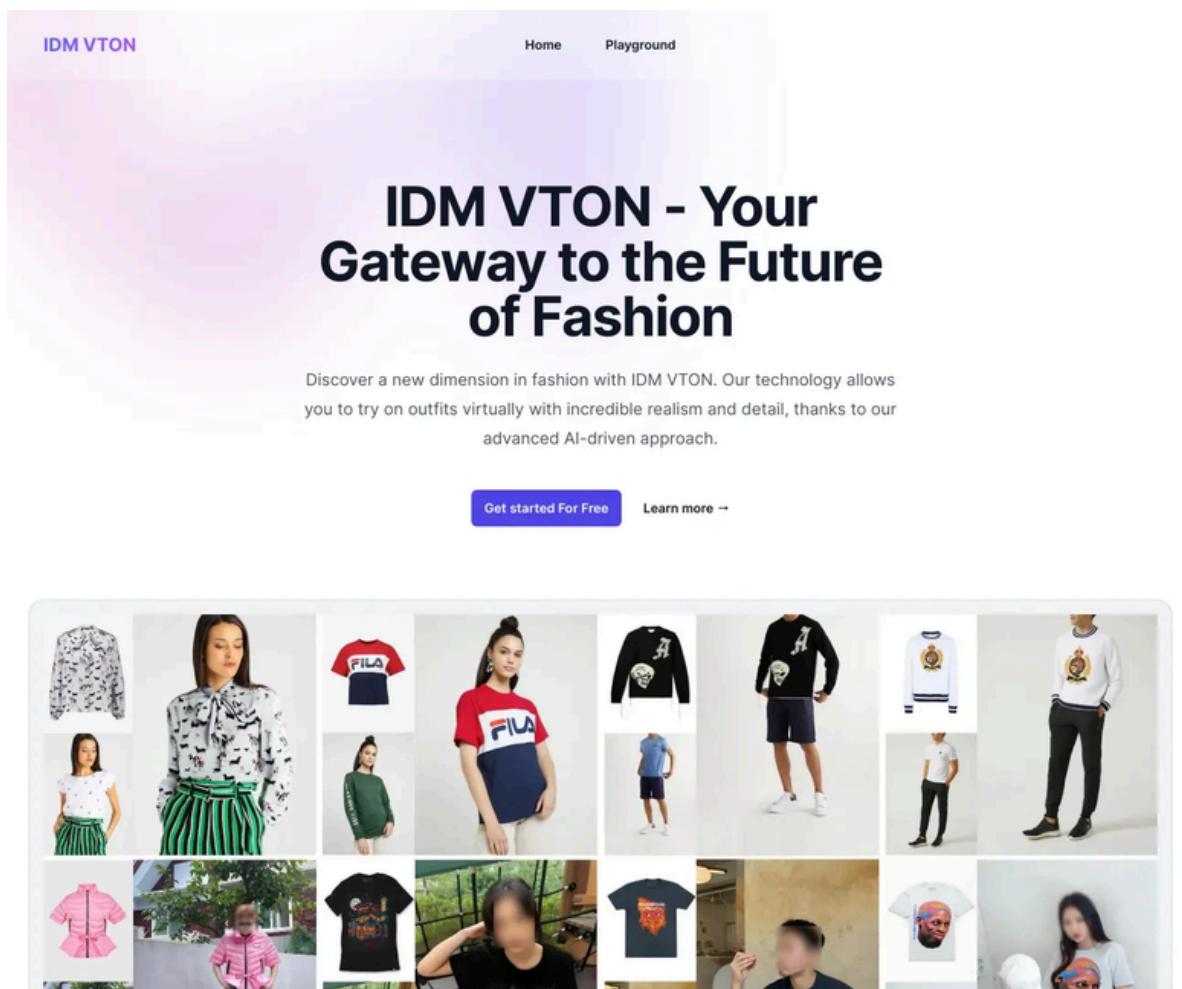
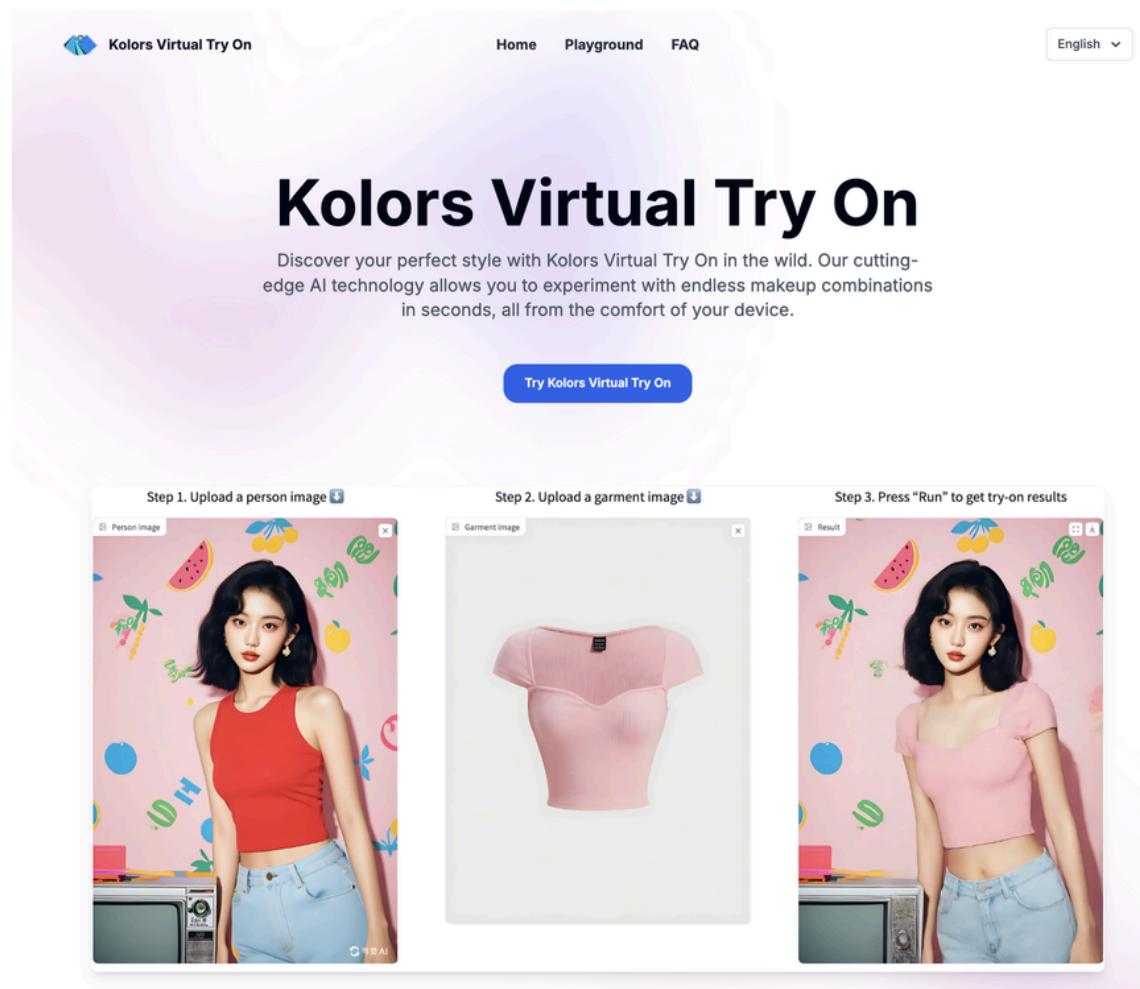
Backend: Try-On Image Generation Issues

On Images...



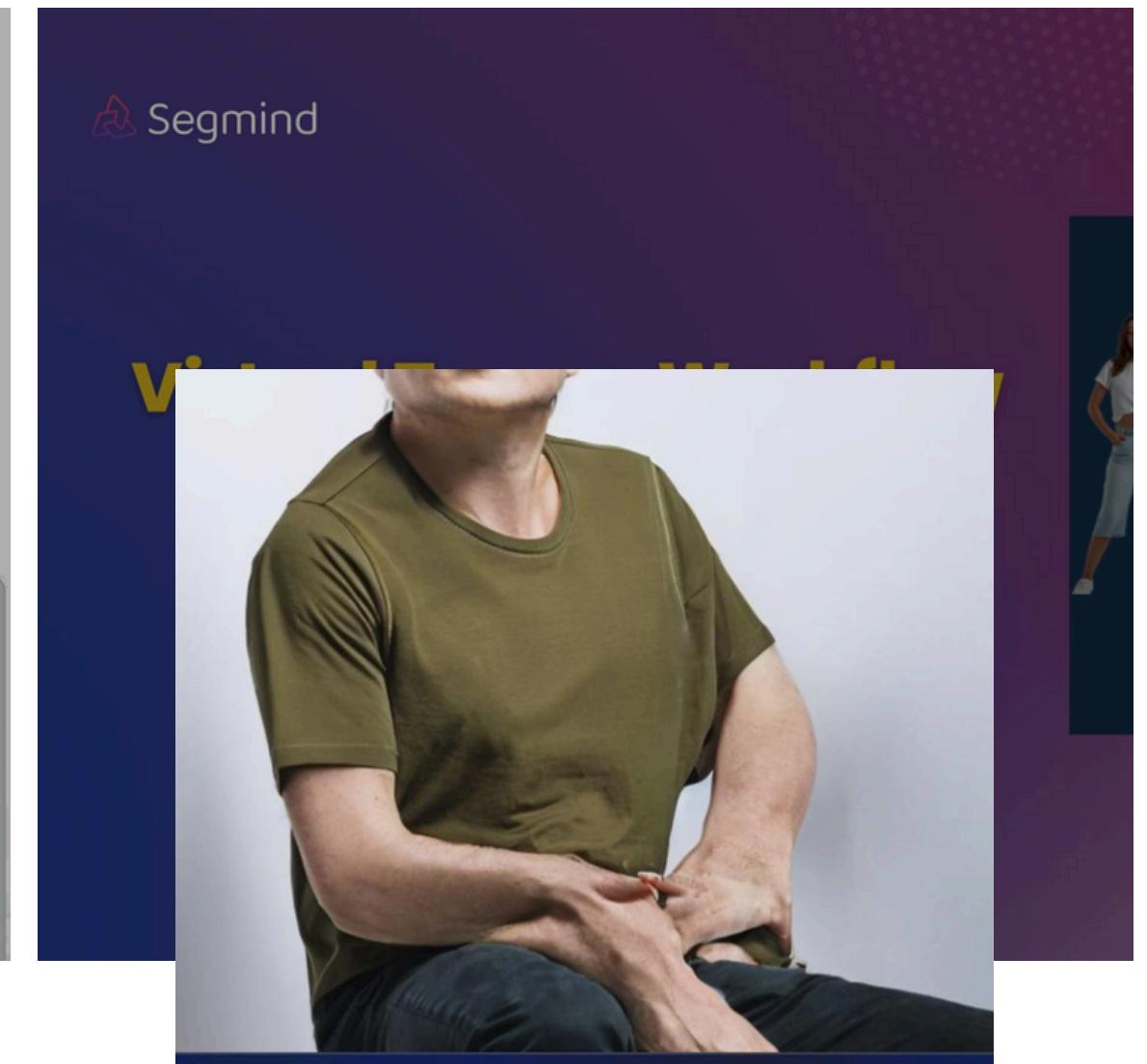
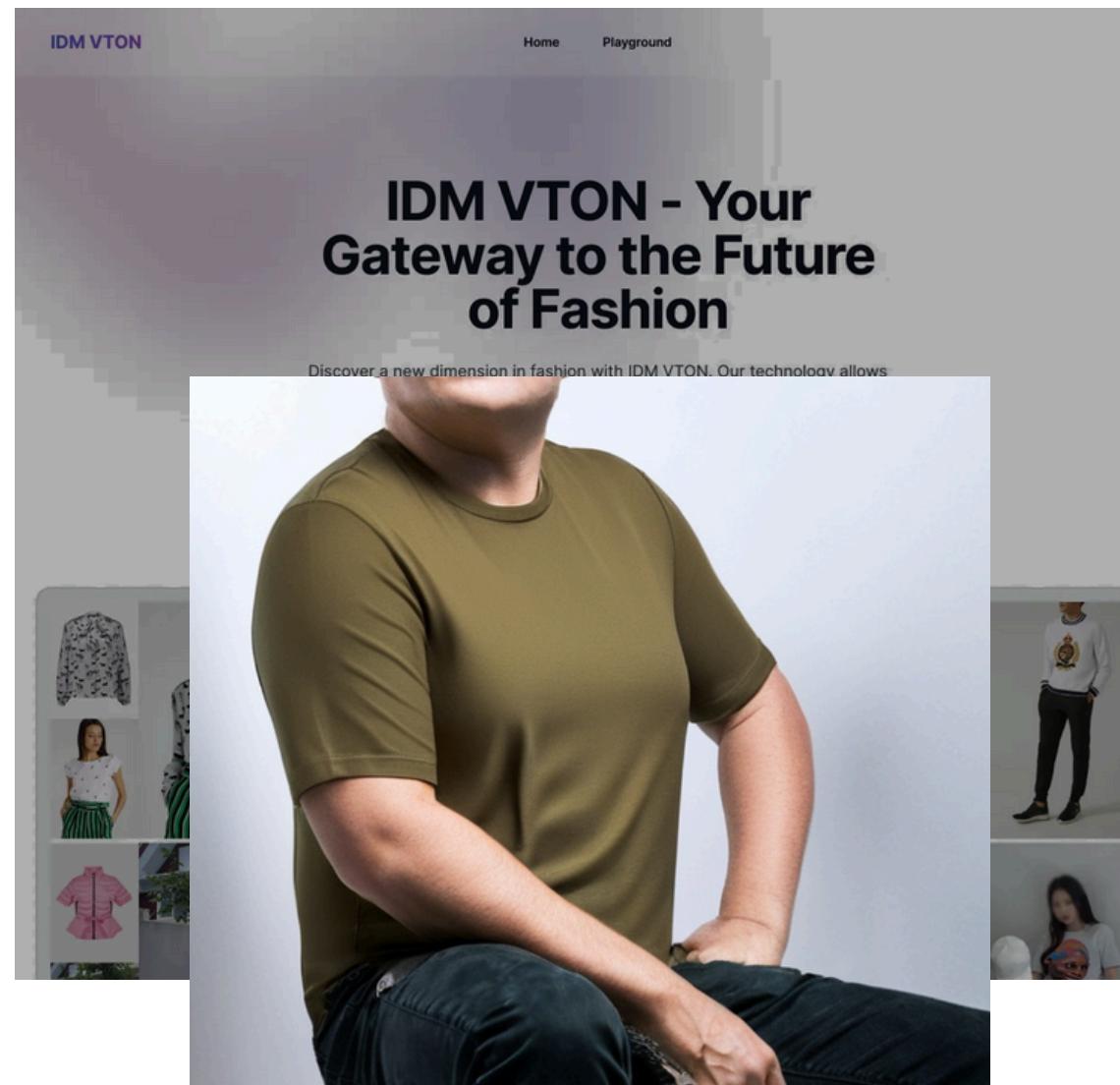
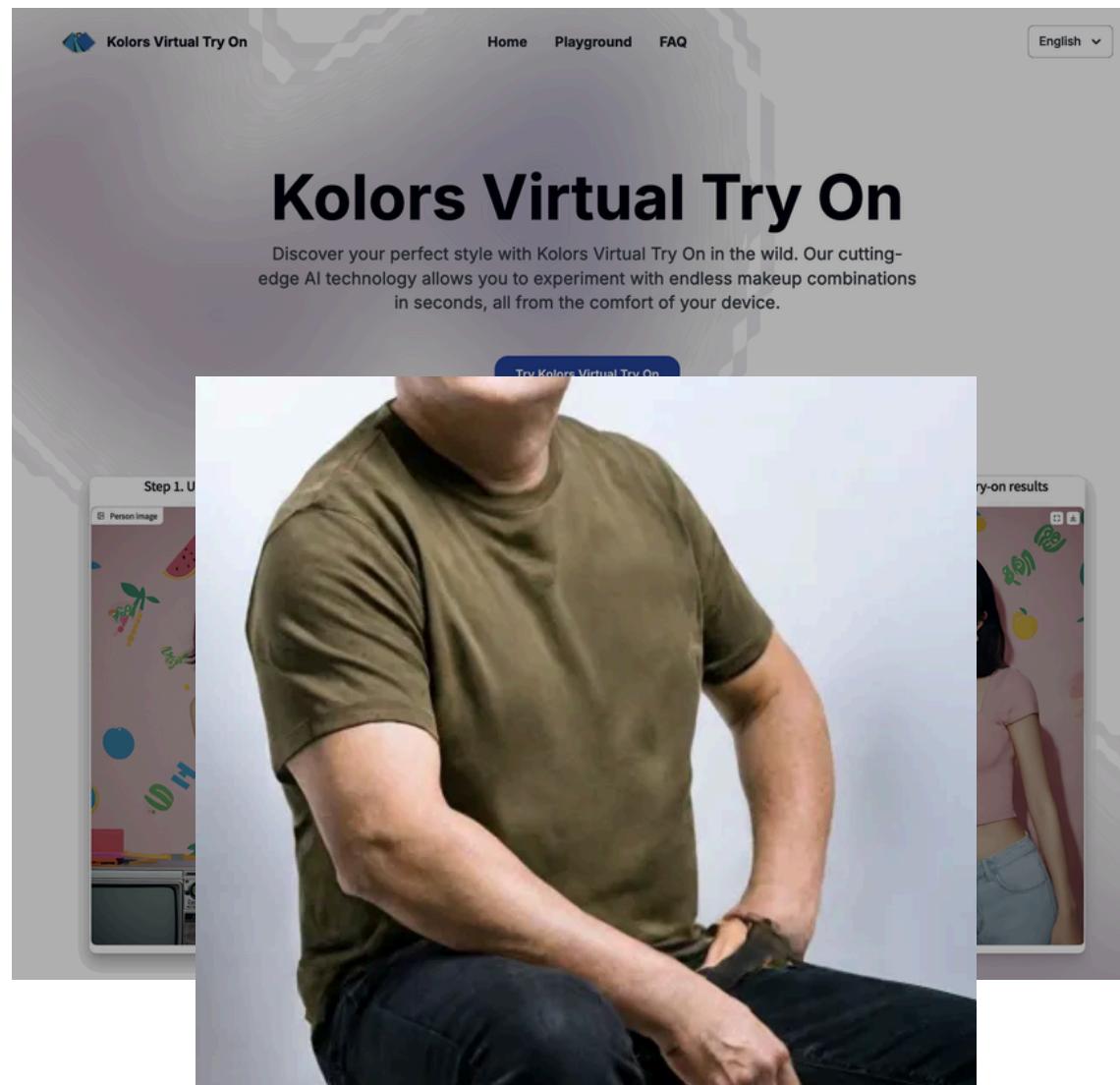
Backend: Try-On Image Generation Issues

On models...



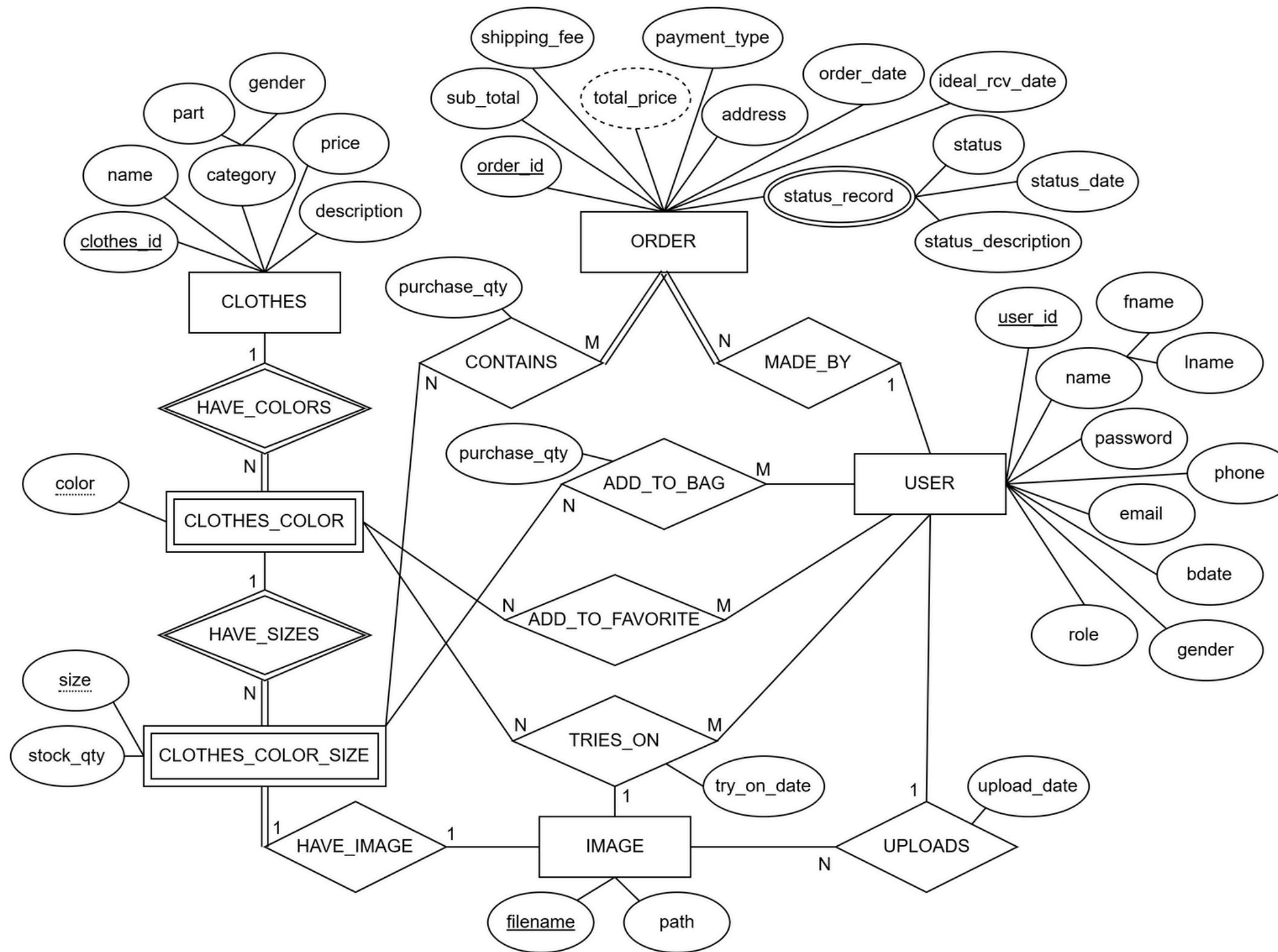
Backend: Try-On Image Generation Issues

On **models...**



Database

Database Design



System Demo

Polaristique

MY ACCOUNT

LOG IN

SIGN UP

Account

billy@gmail.com

Password

.....

SUBMIT

New User

一開始的登入頁面

Future Prospects

Future Prospects

關於未來展望，我們有以下期許：

- **將後台管理模組完善**
 - 註冊時除使用者身份外，亦可透過類似管理員識別碼功能辨別其是否為管理員
 - 管理員可針對可疑使用者（下訂之怪異行為如大量訂單）進行刪除或禁用帳號
 - 上架新商品時可一鍵增設
- **會員系統**
 - 增設會員功能提供其特定優惠
- **前端頁面的美化**
- **商品多樣化**

Thank You
