

Clothing Store Database - Group 6

Minh An Cao, Alexander Nguyen, Ricky Singh

1. Description of application:

A database that allows user to customize and buy outfits from different stores and brands by choosing different parts of the outfit like shirts and pants from different brands, and allows users to sort clothing to add to an online cart.

2. Data requirements:

- **Stores** - Store will have store name, store popularity (heat scale), the brands they carry, free shipping or not, and the types of clothing they carry.
- **Brands** - Brand will have brand name, brand popularity(heat scale), types of clothing available, sizes available, material, colors, styles, and price.
- **Customer Account Info** - Account info for shipping, such as card information, location, name, sizes
- **Delivery Services** - Delivery services will have tracking information, company, ETA
- **Transactions** - Transactions will keep track of price, card number, item(s), store, transaction history, ETA
- **Discounts** - Discounts has data such as coupon codes, mark-offs, applicable brands
- **Social User Page** - Holds data such as name, outfits created, favorite brands, ratings

3. Transactions/Functionalities:

- List all the clothing a brand sells.
- List all the brands that sells shirts.
- Sort discounts (ascending or descending)
- Sort social users by outfit ratings received
- Present a report listing all the brands that sells jeans.
- Display number of items left in stock for a specific clothing item.
- Display sizes available for a specific clothing item (small, medium, etc.).
- Search for a specific item
- Display prices of all clothing sold by a brand.
- Display number of stores that offer free shipping.
- List all the brands that a store offers.
- Sort items by rating
- Sort items by price (ascending or descending)
- Update inventory (add, remove, modify item)
- Recommend size for a product based on transaction history from users of similar height and weight