Day 1 : Laying The foundation For Marketplace :-

① Marketplace Type :-

Q - Commerce :-

*) Primary Purpose :-
Selling Clothes Specific Products in a quick and Efficient way to provide goods to people with in their area range.

② Business Goals :-

*) Problem Solving :
•) Customers find it harder to get Clothing items quickly for urgent Scenarios, this marketplace will solve the urgent need problems of Clothing items.

*) Target Audience :
•) This marketplace will target busy professionals, urgent Customers and normal customers who need the ordered Clothes quickly like busy professionals need because they don't have time for shopping and can't wait for orders in urgent Scenarios and the Urgent Customers want the clothes quickly for events, Occussions and parties ~~and~~ unlike urgent customers, normal

Customers don't have urgent needs but they want to wait for their orders and they want it quickly. So this market place will target busy professionals, urgent Customers and also normal customers.

*) Products and Services:-
.) Products:

- Clothing Items.

.) Service:

- A clothing marketplace delivers clothing items of different varieties and best quality with afordable prices and wide range for urgent Customers and normal customers who want thier orders quickly.
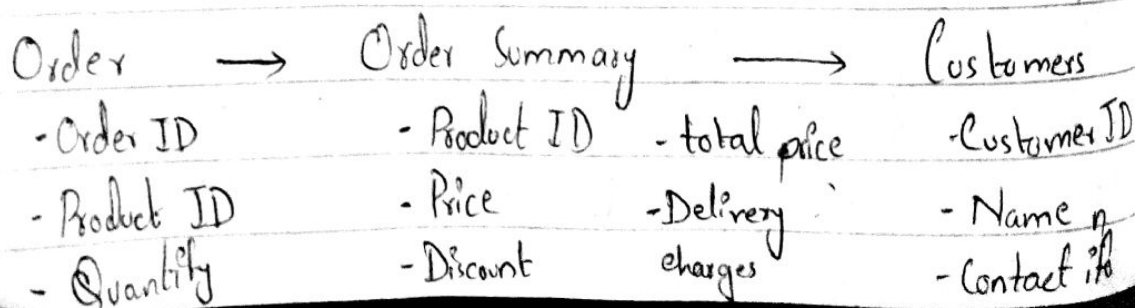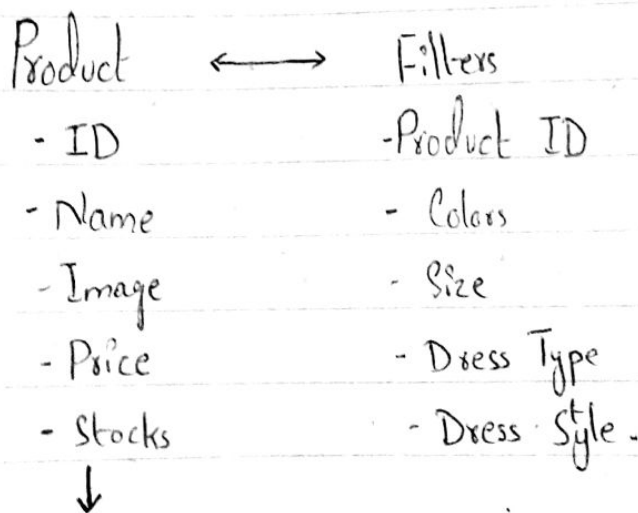
*) Marketplace Quality:-
.) Speed, Affordability, customization, varities and Quick Delivery:

- This marketplace will deliver varieties of quality Products quickly with in the area range. and also offers affordable prices for customers and alsow customers for customization for their personalized needs like party wear, gym wear, casual and formal dresses, choosing different types of clothes like shirts, T-Shirts, shorts, hoodies and jeans and also choosing thier colors and sizes.

③ # DATA SCHEMA :-

*) Key Entities (main Components) of Marketplace:

1) Products : Items available for sell with different varieties.
2) Orders : Records of Orders and transaction
3) Customers : Individual or businesses purchasing product.
4) Customers Reviews : Reviews of Satisfied Customers.
5) Filters : Filters for customization.
6) Delivery Zones : Areas Covered by logistics
7) Shipment : Tracks the movements of items from warehouse to customer.
8) Payments : Tracks transaction and payment statuses

*) Relationship Between Entities :-

Product ⟷ Filters

- ID   - Product ID
- Name   - Colors
- Image   - Size
- Price   - Dress Type
- Stocks   - Dress Style.

↓

Order	Order Summary		Customers
- Order ID	- Product ID	- total price	- Customer ID
- Product ID	- Price	- Delivery charges	- Name
- Quantity	- Discount		- Contact info

Shipment
- Shipment ID
- Order ID
- Status

↓

Delivery Zone
- Zone Name
- Coverage area
- Driver Name
- status

~~Product ID~~

Payments
- Order ID
- Customer ID
- Product price
- payment gateaway

↓

Customer Review
- Customer ID.
• Name.
- Rate.
- Review-

*) key feilds of Each Entity :-

•) Products :

1) ID : Unique Identifier for each product.

2) Name : Name of the product.

3) Price : Price per product-

4) Discounts : Disconts per product if available.

5) Deleted price : Price per product before discounts

6) Rates : Rates of each product.

7) Image : Image of Product -

8) Stock

9) ~~Category~~ Tags : Keywords for search-

:) Filters:
- Product ID : Product Identifier.
- Colors : Product Color - (for Cart)
- Size : Product Size - (for Cart)
- Dress Style : Product Style.
- Dress Type : Product type.

:) Orders:
- Order ID: Unique Identifier for each order.
- Customer Info: Name, Contact details and address.
- Product Details: Products ID, List Products, quantities and prices.
- Status: Order status (e.g., Pending, Shipped, Delivered).
- Time stamp: Date and time of order placement.

:) Order Summary:
- Order Details: ID, Products, prices.
- Subtotal: sub total of all products prices
- Discount: Discount of all products.
- Delivery: Delivery price.
- total: after calculating all (sub total, discount and Delivery charges).

•) Customers :
- Customer ID : Unique Identifier.
- Name : full name of customer.
- Contact Info : Phone numbe and email address.
- Address : Delivery address.

•) Shipment :
- Shipment ID : unique identifier for tracking.
- Order ID : Linked Order.
- status : current status (eg., In transit, Delivered)..
- Delivery Date : Expected or actual date.

•) Delivery Zones :
- Zone Name : Name or identifier of the delivery zone.
- Coverage area : List of postal code or cities served.
- Assinged Drivers : Detail of Drivers or couriers-

•) Payments :
- Order ID.
- Customer Details. (ID, Name etc)
- total price.
- Payment gateaway.

•) Customer Reviews :
- Order ID
- Customer Details (ID, Name, etc)
- Rate :
- Review :