

Marketplace Hackathon

Project Details

Marketplace Type: General E-commerce

Business Goals:-

1. Our e-commerce website will offer high-quality clothing at affordable prices, ensuring that customers can purchase good-quality products within their budget.
2. The target audience consists of individuals seeking premium yet budget-friendly apparel.
3. The website will provide a wide range of clothing products that align with modern aesthetics. Additionally, it will offer seamless shipping and multiple payment methods for customer convenience.
4. Our marketplace differentiates itself by offering fast and efficient delivery, affordability, and customization to cater to every customer's unique needs.

Data Schema:

1. Products

- Product ID
- Name
- Description
- Price
- Category
- Stock Quantity
- Image
- Colors

2. Customers

- Customer ID
- Name
- Email
- Phone Number
- Address

3. Orders

- Order ID
- Customer ID
- Order Date
- Status (e.g., Pending, Shipped, etc.)
- Total Amount
- Payment ID (from Payment)
- Delivery ID (from Delivery)
- Quantity
- Product ID (linked to the ordered product)

4. Payments

- Payment ID
- Order ID (linked to an order)
- Payment Method (e.g., Credit Card, PayPal)
- Payment Status (e.g., Paid, Pending, Failed)
- Payment Date

5. Delivery / Shipment

- Delivery ID
- Order ID
- Address
- Delivery Status
- Estimated Delivery Date
- Assigned Driver

6. Tracking

- Tracking ID
 - Delivery ID
 - Order ID
 - Address
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Business Rules:

- A single customer can place multiple orders.
- Each order can contain multiple products.
- Every order is linked to one payment record to prevent duplicate payments.
- Each order is associated with a single delivery record to avoid multiple deliveries for the same order.
- Customers can track only their respective orders.

Key Entities:

- Customer
- Product
- Order
- Payments
- Delivery
- Tracking