

Structure of General E-Commerce Website

Introduction to the Website

- **Marketplace Type:-**
- **Purpose:-** provide an elegant & user-friendly platform to shop for highly-quality Jewellery, Stylish clothing and trendy bags in one place.
- **Problem to solve:-**
Customer faces difficulty finding a curated platform offering authentic & diverse designs for Jewellery, clothing & bags.
- **Target Audience:-**
 - Fashion-forward individuals seeking premium cloths.
 - professionals & event goers looking for elegant attire & accessories.
 - Gift shoppers looking for unique & styling options.

Differentiator

Exclusive collections with customizable Jewellery & clothing option.

- A seamless online shopping experience with user-friendly navigation.
- Affordable Pricing with attractive discount & bundles.

Relationships:-

- Products → Categorized under Jewelry, clothing & Bags.
- Orders → Contain multiple product & link to customer.
- Customer → Can have multiple Address, Wishlist & order history.
- Orders → Associate with Shipment for delivery.
- Shipments → Mapped to Delivery Zones for logistics coverage.

Entities & Schema:-

Products:-

- ID : Unique identifier for each product.
- Name: Jewellery, cloths, bags & beauty product.
- Description: Detailed information about the product.
- Price: Cost per unit.
- Stock: Quantity available.
- Category: Gold jewellery, cloths & accessories.
- Image: Urls for product image.

Orders:-

- Order ID: Unique identifier for each transaction.
- Customer Info: linked to the customer placing the order.
- Customer ID
- Name
- Address

Product detail: Product ID , Quantity

Total amount: Aggregate cost of all products in order

Order status : pending, shipped, delivered or canceled

Customer:-

- Customer ID: Unique identifier for each product
- Name: full name of customer.
- Email: for communication & update.
- Order history: List of previous orders.

Shipment:-

- Shipment ID: Unique identifier for each shipment
- Order ID: Linked to the associated order.
- Shipment Status: In transit, Delivered or Return
- Tracking Info: Real time update on shipment progress.

Delivery Zones:-

- Zone name: Identifier for delivery region
- Coverage: list of cities or postal code served.

Entity Relationship Diagram (ERD)

