

Laying The Foundation For Your E-Commerce Website

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Business Goals

Target Audience:

women, men, and kids looking for stylish yet affordable clothing options for various occasions such as parties, casual wear, and professional events.

Unique Selling Proposition (USP):

1. Affordable access to branded and stylish clothing.
2. Fast delivery within for urgent needs.
3. Hassle-free order placement and returns.
4. Regular offers, discounts, and promotional campaigns to enhance user experience.

Problems Solved:

1. Provides an affordable solution for individuals unable to purchase high-end branded clothing.
2. Ensures availability of trendy and high-quality clothes for various occasions at a fraction of the cost.

Key Features:

1. Quick and seamless ordering process.
2. Personalized recommendations based on user preferences.
3. Sustainable options by extending the lifecycle the branded clothes.

Data Schema

1. Users

- UserID: Unique identifier.
- Name: Full name of the user.
- Email: User's email address.
- Address: Delivery location.
- UserType: Buyer
- Preferences: Brands, sizes, and styles frequently browsed or purchased.

2. Products

- ProductID: Unique identifier.
- Name: product name (e.g., "Branded shirt").
- Description: Detailed information about the product.
- Price: purchase price.
- Category: (e.g., Men's, women's, kids').

- Subcategory: (e.g., Party wear, casual wear, professional attire).
- Stock: Availability status.
- Images: URLs for product photos.

Technology Stack.

To achieve the outlined goals, the platform will leverage the following technologies and tools:

- Next.js: For a modern, scalable, and SEO-Friendly frontend framework.
- Sanity.io: As the headless CMS for managing content dynamically.
- Stripe: To enable secure and seamless payment processing.
- Clerk: For user authentication and management.
- Shipo: To handle efficient shipment tracking and delivery logistics.

Orders

- OrderID: Unique identifier for each transaction.
- BuyerID: Linked to the user placing the order.
- ProductDetails: List of productIDs, sizes and quantities.
- OrderDate: Date and time of the order placement.

- Delivery status: pending, shipped, delivered.

Delivery Zones

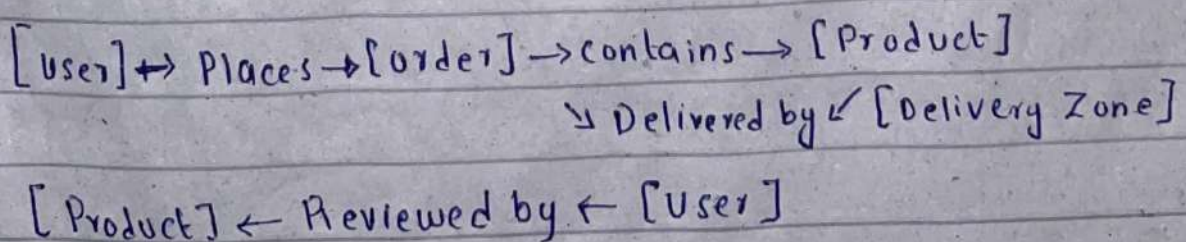
- **ZoneID:** Unique identifier for delivery areas.
- **ZoneName:** Name of the delivery zone (e.g., Zone A).
- **CoverageArea:** Areas included within the zone.
- **AssignedDrivers:** Drivers responsible for deliveries in this zone.

Reviews

- ReviewID: Unique identifier for each review.
- UserID: Linked to the user giving the review.
- ProductID: Linked to the product being reviewed.
- Rating: Numeric value (1-5 stars).
- Comment: Written feedback.
- ReviewDate: Submission date.

Entity Relationship Diagram.

Example Relationship Scheme.



Key Relationships

1. Users \leftrightarrow Orders: Buyers place orders linked to their profiles.
2. Products \leftrightarrow Orders: Orders consist of one or more products.
3. Users \leftrightarrow Reviews: Buyers leave reviews for products.
4. Delivery Zones \leftrightarrow Orders: Ensures efficient and timely delivery.

My Aim:

As a dedicated developer, my goal is to build a user-centric e-commerce platform that not only simplifies online shopping but also empowers individuals with affordable and accessible fashion choices. I strive to innovate and create a marketplace that combines convenience, style, and sustainability, ensuring a seamless shopping experience for all users.