AVION DAY:1 DOCUMENTATION BY SYED BILAL ALI SHAH

Business Goals for E-Commerce

1. Establish a specialized e-commerce marketplace catering to local businesses, including furniture, home décor, crockery, cutlery, tableware, and chairs, enabling them to expand their online presence and boost sales.
2. Target customers seeking high-quality furniture and decorative items, allowing them to conveniently place orders from home while providing a digital platform for local shop owners.
3. Aspire to become Pakistan's most reliable and customer-centric e-commerce solution for the furniture and home décor industry.
4. Our mission is to empower local shopkeepers by providing user-friendly, customizable e-commerce websites that enhance their business growth and sales.
5. Future plans include integrating AI-driven features tailored to client needs, making the platform more innovative and efficient.
6. Clients will have the flexibility to create custom product categories, along with access to comprehensive e-commerce services, ensuring a seamless online retail experience.

Data Schema

Entities:

1. **Users:** Unique ID, Name, Email, Password, Role (Shopkeeper/Customer), and Registration Date.
2. **Shops:** Unique ID, Name, Address, Contact Information, and Associated Shopkeeper ID.
3. **Products:** Unique ID, Name, Description, Price, Category, Shop ID, Stock Quantity, Date Added, and Product Images.
4. **Orders:** Unique ID, Customer ID, Product IDs, Total Price, Order Date, and Status (Pending/Completed).
5. **Transactions:** Unique ID, Order ID, Payment Method, Payment Status, and Transaction Date.

Relationships:

1. **Users & Shops:** One-to-One (Each shopkeeper manages a single shop).
2. **Shops & Products:** One-to-Many (Each shop can list multiple products).
3. **Users & Orders:** One-to-Many (Each customer can place multiple orders).
4. **Orders & Products:** Many-to-Many (An order may contain multiple products).