Day 2: Planning the Technical Foundation

Data Schema Design

Date: 16-01-2025

Entities and Relationships

1. **Users Table**

   - **Fields:** id, name, email, password, address, phone

2. **Products Table**

   - **Fields:** name, slug, description, dimension, weight, material, price etc.

3. **Orders Table**

   - **Fields:** orderid(PK),date,customerid(FK),productid(FK),totalAmount

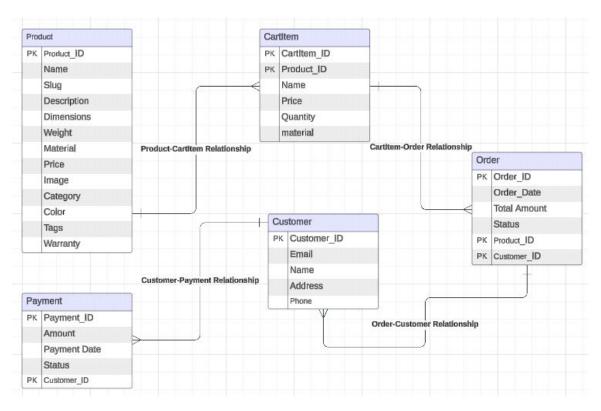   - **Relationships:** Linked to Users and Products

4. **CartItem Table**

   - **Fields:** productId, quantity, lastUpdated

5. **Customer Table**

   - **Fields:** customerid(PK), name, email, phonenumber

ER Diagram:

Product

PK	Product_ID
	Name
	Slug
	Description
	Dimensions
	Weight
	Material
	Price
	Image
	Category
	Color
	Tags
	Warranty

CartItem

PK	CartItem_ID
PK	Product_ID
	Name
	Price
	Quantity
	material

Order

PK	Order_ID
	Order_Date
	Total Amount
	Status
PK	Product_ID
PK	Customer_ID

Customer

PK	Customer_ID
	Email
	Name
	Address
	Phone

Payment

PK	Payment_ID
	Amount
	Payment Date
	Status
PK	Customer_ID

Product-CartItem Relationship

CartItem-Order Relationship

Customer-Payment Relationship

Order-Customer Relationship

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