

"Hackathon Day-1" 15/11/2025

"Laying The foundation for your Marketplace Journey"

◎ Marketplace Type :-

[General E-commerce]

This is an e-commerce website that provides customers with the convenience of purchasing furniture online.

◎ Business Goals :-

- What Problem does your marketplace aim to solve?
- Wide Selection: A wide range of furniture in different designs and styles.
- High Quality: Providing durable and quality furniture.
- Fast delivery: Safe and faster product delivery service.

Target Audience? : ~~consists of~~
Urban Professionals.
Homeowners.
• office owners and managers.
• New Home Buyers.
• online shoppers.

• How is your marketplace unique?

• Affordable Luxury : offering high-quality furniture at affordable price.

• Fast & Reliable Delivery : Ensuring fast and reliable delivery with live tracking.

• Exclusive offers & Discounts : Providing special offers and discounts.

• Local & International Reach : Making furniture available both locally and internationally.

• Eco-Friendly Options : offering sustainable and eco-friendly furniture.

③ Data Schema :

["Entities"]

1. Product :

- ID
- Name
- Price
- Stock
- Category
- Discount

2. Customer

- Customer ID
- Name
- Contact info
- Address
- Order History

3. Order :

- Order ID
- Customer ID
- Product IDs
- Quantity
- Total Amount
- Order Status

4. Shipment :

- Shipment ID
- Order ID
- Status
- Delivery Time
- Shipment Zones

5) Delivery Zone :

- Zone ID
- Zone Name
- Coverage area.

◎ Schema Diagram :

[Relationships]

- Product \longrightarrow Order.
- Customer \longrightarrow Order.
- Order \longrightarrow Shipment.
- Shipment \longrightarrow Delivery Zone.

- A many to many relationship, where one order can contain multiple products and one product can be part of many orders.

- A one to many relationship, where one customer can place multiple orders.

- A one to one relationship where each order has one shipment.

- A many to one relationship, where many shipments can be associated with one delivery zone.