

Furniture Marketplace Hackathon

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Day 1: Laying the Foundation For your Marketplace Journey

Objective:

Design a furniture marketplace that aligns business goals with technical solutions documenting ideas, goals, & data schemas.

1. Marketplace Type: General E-Commerce

Primary Purpose:

- A platform focused on selling furniture & related products.
- Offers a wide range of furniture, from modern to vintage, with a focus on quality & affordability.

Why Choose This Type?

- Growing Market:

Furniture is a popular segment with room for customization & repeat customers.

- Expansion Potential:

We can add other products in the future, like home appliance or decor accessories.

2. Business Goals

Problem to Solve:

- Easier Furniture Shopping:

Help customers easily find & buy furniture online & detailed product information.

- Delivery & Assembly Made Simple:

Provide

reliable delivery & easy assembly for customers.

Target Audience:

- Young Professionals:

People setting up their first home or office.

- Families:

looking for durable, functional furniture.

- Businesses:

Need cost-effective office furniture.

Products & Services:

Products:-

Sofas, beds, chairs, tables, wardrobes, decor.

Services:

Delivery, assembly, & customization of furniture.

3. Differentiators:

- Speed:

Fast delivery & assembly within 48 hours.

- Affordability:

Competitive pricing with good value for money.

Customization:

Personalize furniture based on size, color, & material!

Sustainability:

Eco-friendly furniture options.

4. Key Fields for Each Entity

Products:

- ID: Unique product Identifier.
- Name: Product name.
- Price: Price per unit.
- Stock: Available quantity.
- Category: Type of product (e.g., Sofa, Bed).
- Tags: Keywords (e.g., "New Arrival").

Orders:

- Order ID: Unique order identifier.
- Customer Info: Name, Contact, & Address.
- Product Details: Products, quantities, & prices.
- Status: Order Status (Pending, Shipped, etc).
- Timestamp: Date & Time of order.

Customers:

- Customer ID: Unique customer identifier.
- Name: Customer's name.

- Contact Info: Phone, & email,
- Address: Delivery address.
- Order History: Past orders placed.

Delivery Zones:

- Zone Name: Delivery area name.
- Coverage Area: Postal codes,
- Assigned Drivers: Delivery driver details.

Shipment:

Shipment ID: Unique tracking ID.

Order ID: Linked order.

Status: Shipment status.

Delivery Date: Expected or actual delivery date.

Relationships Between Entities (Diagram).



