

Hackathon MarketPlace

Day 1 Tasks:

Step 1: Choose Your MarketPlace

- Niche E-commerce

Primary Purpose

Furniro is a premium Furniture Brand offering all the wooden furniture products of different categories. The main categories are Dining, Living and Bedroom. The aim of the platform is to provide customers their favorite stuff at their doorstep.

It's niche e commerce because it offers only wooden furniture products.

Step 2: Define Your Business Goals

1. What Problem Does Your Marketplace Aim to Solve?

- If customers find it inconvenient to visit physical furniture stores, our marketplace provides an online platform where they can browse and select furniture from the comfort of their homes.
- If people struggle to compare furniture products across different stores, our marketplace offers a comprehensive catalog for easy comparison of multiple products in one place.
- If transporting and placing furniture after purchase is a challenge, our marketplace provides free doorstep delivery along with a complimentary furniture placement service at the customer's preferred location.
- If high delivery costs deter customers from buying furniture online, our marketplace offers free delivery, ensuring a cost-effective shopping experience.

2. Who are the target Audience?

- **Homeowners** looking to furnish or renovate their living spaces with premium wooden furniture.
- **Young professionals** seeking stylish, modern, and convenient furniture solutions for their apartments or homes.
- **Families** interested in high-quality dining, living, and bedroom furniture for comfort and functionality.
- **Interior designers** and decorators looking for a reliable furniture brand to recommend to clients.
- **Online shoppers** who prefer the convenience of browsing and buying furniture from home with delivery and setup included.
- **Budget-conscious buyers** seeking competitive prices and free delivery services without compromising on quality.

3. What products or services will you offer?

Products: Furniture including Chairs, Beds, Sofas, Tables etc

Services: Delivery at doorstep, Furniture placement Service, order tracking, Multiple payment options.

4. What will set your marketplace apart ?

- **Free Shipping:** We are providing free delivery of our products at customer's doorstep.
- **Free Placement:** We have a dedicated team to place the furniture so customer do not have need to get fatigue or spend additional labor cost.
- **Affordable:** Supreme yet affordable as compared to other premium brands.

Step 3: Create a Data Schema

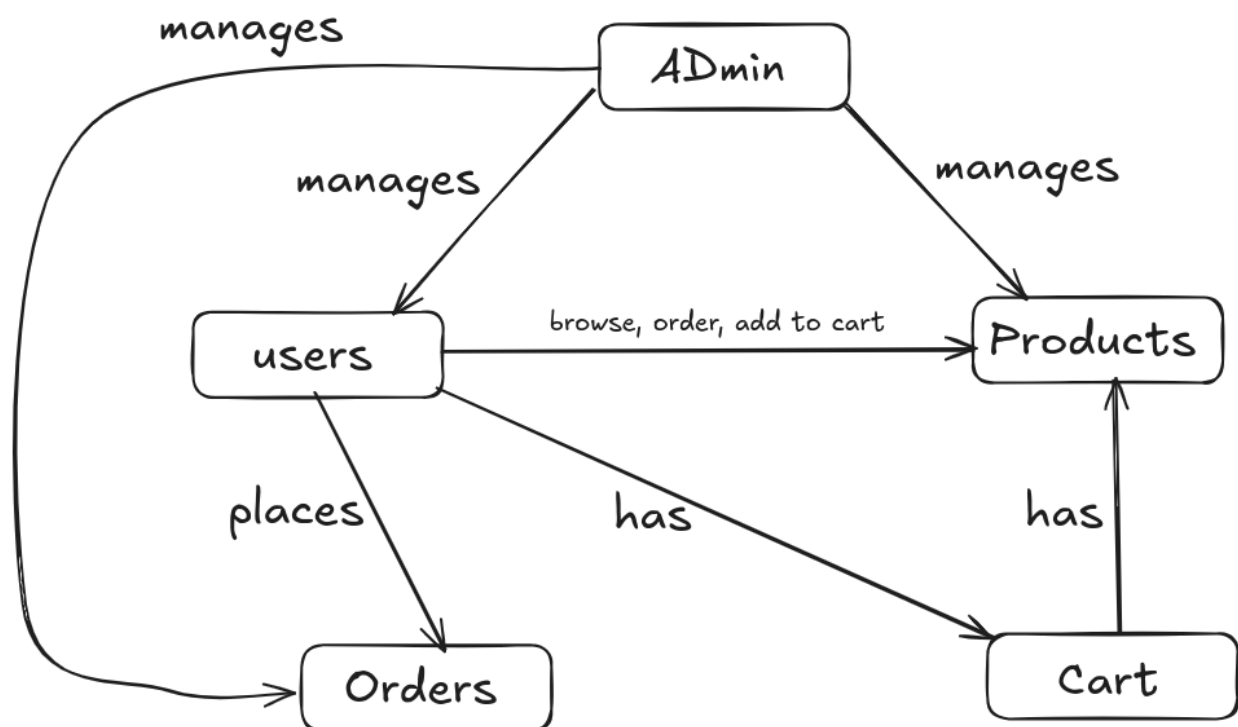
1. Identify The Entities in Your Marketplace.

The main entities that are involved in the system are listed below

- **Admin:** The person/system or team which manage all other entities and supervise all the system.

- **Users/Customers:** The individuals who can browse, see and make purchases.
- **Products:** All the products available in the marketplace.
- **Orders:** Orders of the customer.
- **Cart:** Items can be added to cart.

2. Draw Relationships between Entities.



3. Focus on Key Fields of Each Entity.

Admin

- AdminID: A unique identifier for each admin.
- Name: The name of the admin user.
- Password: Secure password for admin access.
- Permissions: The level of access or control assigned.
- Role: The designation or responsibility of the admin.

Users/Customers

- CustomerID: A unique identifier for each customer.
- Name: The full name of the customer.
- Email: The customer's email address (Google login supported).
- Address: The customer's shipping or residential address.
- cartItems: A list of products added to the customer's cart.
- Contact info: The phone number or other contact details.

Products

- ProductID: A unique identifier for each product.
- Name: The name of the product.
- Category: The classification (e.g., Living Room, Bedroom).
- Stock Status: Availability status (in stock/out of stock).
- Price: The cost of the product.
- Discount: Any price reduction applied.
- Description: A detailed explanation of the product.
- Images: URLs or files representing product pictures.
- Color: The available colors for the product.
- Size: Dimensions or size specifications.

Orders

- OrderID: A unique identifier for each order.
- status: Current state (pending, shipped, delivered).
- product: The product(s) associated with the order.
- CustomerID: References the customer who placed the order.
- Quantity: Number of items in the order.
- Price: Total cost of the order.
- orderDate: The date when the order was placed.
- Shipping Address: Address where the order is delivered.

- **PaymentDetails:** Information about the payment method used.

Cart

- **CartID:** A unique identifier for each cart.
- **Customer:** The customer associated with the cart.
- **Products:** List of products added to the cart.
- **TotalItems:** The total number of items in the cart.
- **TotalPrice:** The total cost of all items in the cart.