DAY 01

STEP #01 Marketplace Type

Type: Rental E-commerce

• Purpose: Provide short-term access to products, reducing costs and promoting sustainability. Enable customers to rent expensive or rarely used items conveniently.

STEP #02 Business Goals

1- Problem: High-cost products needed for short-term use, leading to unnecessary expenses.

2- Target audience: Individuals, event organizers, small business and freelancers.

3- Product: Electronics (Cameras, projectors) vehicle (cars, bikes), furniture (Sofas, tables), event equipment (lighting, speakers), construction tools (drills, saws)

cancelled) -

4- **Unique Features:** Flexible rentals, user verification delivery and pickup services, insurance coverage, secure payment system and real-time product availability tracking-

STEP #03   Data Schema

ENTITIES AND ATTRIBUTES

- **Users**
  [Customer and Provider]: User ID, Name, Email, Contact, Address, User Type, verification status, Rental history-

- **Product (Rental items):** Product ID, Name, category, Description, price per /hour /Day /week. Availability, Provider ID, condition status.

- **Order (Rentals)** : Order ID, customer ID, Product ID Rental Duration, Total price, Order Status (Pending, active, completed, cancelled) -

- Payments : Payment ID, Order ID, Method (Credit card, Paypal, Cash), status, Transaction Date, Refund Policy-

- Review : Review ID, Customer ID, Product ID, Rating (1-5), Review comment, Timestamp

- ERD Overview:

[USER]   (User ID ——< [Products]   (Provider ID)
                    | |
[Orders]   (Customer ID) —— [Products]   (Product ID)
                    |
[Payments]   (Order ID)
                    |
[Reviews]   (Customer ID, Product ID)

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