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## Hackathon Day 1: General

### E-commerce Marketplace

Tasks:-

Step 1: Choose Your Marketplace

Type

Marketplace Type: General

E-commerce

Primary Purpose:

To provide a platform where customers can browse and purchase a variety of products online, ensuring convenience, affordability, and a seamless shopping experience.

## Step 2: Define your Business Goals

### 1) The Problem Your Market Aims To Solve:

- Provide an easy, reliable, and fast way for customers to shop online for various products without visiting physical stores.
- Address the lack of diverse product availability and streamline delivery services.

### 2) Target Audience:

- Age group 18-45 years old.
- Urban and semi-urban customers who prefer online shopping.

- Busy professionals, students and homemakers.

### 3) Products and Services

#### Offered:

- Categories : Electronics, Clothes, Home Essentials and more.
- Additional Services : Discounts, Cashback Offers, and Fast delivery Options.

### 4) What Sets Your Marketplace

#### Apart :

- Competitive Pricing.
- A wide range of products in one place.
- Personalized recommendations using AI.

- Same-day delivery options.

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## Step 3: Create a Data Schema :-

### Entities Identified:

- 1) Products : All the items available for sale.
- 2) Orders & Tracks Customer purchases.
- 3) Customers & Information about buyers.
- 4) Delivery Zone : Delivers areas for delivery coverage.
- 5) Payment Details & Tracks Transactions.

# Relationships Between Entities:

Below is the data Schema design :

Diagram Description :

## 1) Products :

- ID
- Name
- Price
- Stock

## 2) Orders :

- Order ID
- Customer ID
- Product IDs (can be multiple)
- Quantity
- Order Status

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### 3) Customers :

- Customer ID
- Name
- Email
- Contact Number

### 4) Delivery Zones :

- Zone Name
- Coverage Area
- Assigned Drivers

### 5) Payment Details :

- Payment ID
- Order ID
- Amount Paid
- Payment Status

Here's how these entities relate :

- Customers place orders (Order → Customer)
- Orders include products (Order → Product)

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- Orders are delivered within delivery zones. (Order → Delivery zone).
- Payment are linked to Orders (Order → Payment Details).

I will create a visual Diagram of this schema if needed.



# Data Schema Diagram:

