Hackhton Day 1.

Marketplace Type
E-COMMERCE (GENERAL)

PURPOSE.
Our marketplace will provide a platform for small businesses and individuals to sell their products online.

Business Goals
PROBLEM STATEMENT.
Our marketplace will provide a seamless and secure online shopping experience, making it easy for customers to find their favourite products.

Target Audience.

Demographics.
18 - 45 years old.

Interests.
Online shopping, entrepreneurship and small businesses.

Pain Points.
Difficulty in finding unique products, limited online shopping options.

Unique Selling Point (USP).

Our Marketplace will provide a platform for small businesses and individuals to sell their products online, promoting entrepreneurship and economic growth.

Data Schema.

Core Entities and Attributes.

Products.

ID: unique identifier for the product.
Name: Name of the product.
Price: Rental Cost per day/hour.
Stock: Availability status of product.

Orders.

OrderID: Unique identifier for the order
Customer Info: Name and contact detail of the customer.
Product ID: Reference to the provided product.
Quantity: No. of products sented/delivered.
Status: Current status (e.g., pending, confirmed or completed).

Customers.

Customer ID: unique identifier for the product.
Name: Full Name of the customer.
Contact Info: Phone No. and E-mail Address.

Delivery Zones.

Zone Name: Name of the delivery area.
Coverage Area: Geographic coverage of the delivery zone.
Assigned Drivers: Driver responsible for deliveries in the zone.

Relationship B/w Entities.

* A customer can place multiple orders.

Each order can contain multiple products.

Each product is linked to a unique Product ID in the system.

Schema Diagram.

```
                    ┌───────────┐
                    │  PRODUCT  │
                    └───────────┘
                          │
                          ▼
                    ┌───────────┐
                    │   ORDER   │
                    └───────────┘
                      ↗        ↖
              ┌───────────┐   ┌───────────┐
              │ CUSTOMER  │   │  DELIVERY │
              │           │   │   ZONE    │
              └───────────┘   └───────────┘
```