

HACKATHON-003

TASK FOR Day: 001

LAYING THE FOUNDATION FOR YOUR MARKETPLACE

JOURNEY .

.STEP-01:

Choose your marketplace type.

I choose general E-Commerce because it is a fast-growing field that provides endless opportunities for online business and entrepreneurship .It helps me develop digital skills, understand market business opportunities.

Primary purpose: General E-Commerce focuses on the buying and selling of goods and service over the internet its primary purpose is to facilitate seamless online .Transactions, enhance business reach, and provide customers with a convenient shopping experience .ti also enables businesses to leverage digital tools, optimise marketing strategies, and expand globally while improving efficiency and customer satisfaction.

.STEP-02:

Define your business goals .

What problem does your marketplace aim to solve?

In today's fast-paced world, customers often face challenges in getting essential products delivered quickly and conveniently. Our marketplace aims to solve this problem by offering an E-Commerce platform for rapid delivery of groceries, household essentials, and daily needs.

KEY PROBLEM AND OUR SOLUTION:

Problem: Slow Grocery Delivery.

Solution: Our marketplace offers a rapid e-commerce platform for grocery delivery, ensuring fast and reliable service within hours or even minutes.

Problem: Expensive Tools for Temporary Use.

Solution: We provide a rental marketplace for tools and equipment, allowing customers to rent instead of buy, making it more affordable and accessible.

Problem: Trust and Security Concerns

Solution: Our platform offers verified sellers, secure payments, customer reviews, and easy return policies to build trust

Problem: Poor Customer Support.

Solution: We provide 24/7 customer service and AI-powered chat support to assist with orders, payments, and deliveries.

Who is your target audience?

Target Audience for Our Marketplace:

Our marketplace serves a diverse range of customers who seek convenience, affordability , and accessibility in shopping and rentals

HOMEOWNER AND DIY ENTHUSIASTS:

People who need tools and equipment for home projects but don't have expensive items. **Explan:** A homeowner renting a power drill for a one-time repair.

CONTRACTORS AND SMALL BUSINESSES:

Professionals who need construction tools, machinery, or office equipment on a temporary basis. **Explan:** A contractor renting heavy-duty tools for a short-term project.

Busy Professionals & Working Individuals:

People who need fast grocery or essential item delivery due to hectic schedules. **Explan:** An office worker ordering same-day groceries for home delivery.

What products or services will you offer?

Products and Services Offered in Our Marketplace.

Product: Toys, Games, Kids Toys, Puzzles, Educational games, Books, stationery, and Beauty products.

What will set your marketplace apart?

(SPEED, AFFORDABILITY)

Affordability:

Our marketplace offers **competitive pricing** by connecting customers directly with suppliers and offering **rental options** for products they may only need temporarily. This makes it more affordable for users to access **high-quality products and tools** without the need for hefty investments.

Speed:

We offer **rapid delivery** through **Q-Commerce**, ensuring **same-day or even hour-based deliveries** for essential products like groceries and household items. Our fast order processing ensures a **quick and seamless shopping experience**.

.STEP-03:Create a Data Schema:

1. Identify the entities in the your marketplace
:

.Product: Toy's, Games, Kids toys, puzzles, Books, Stationery, and beauty products.

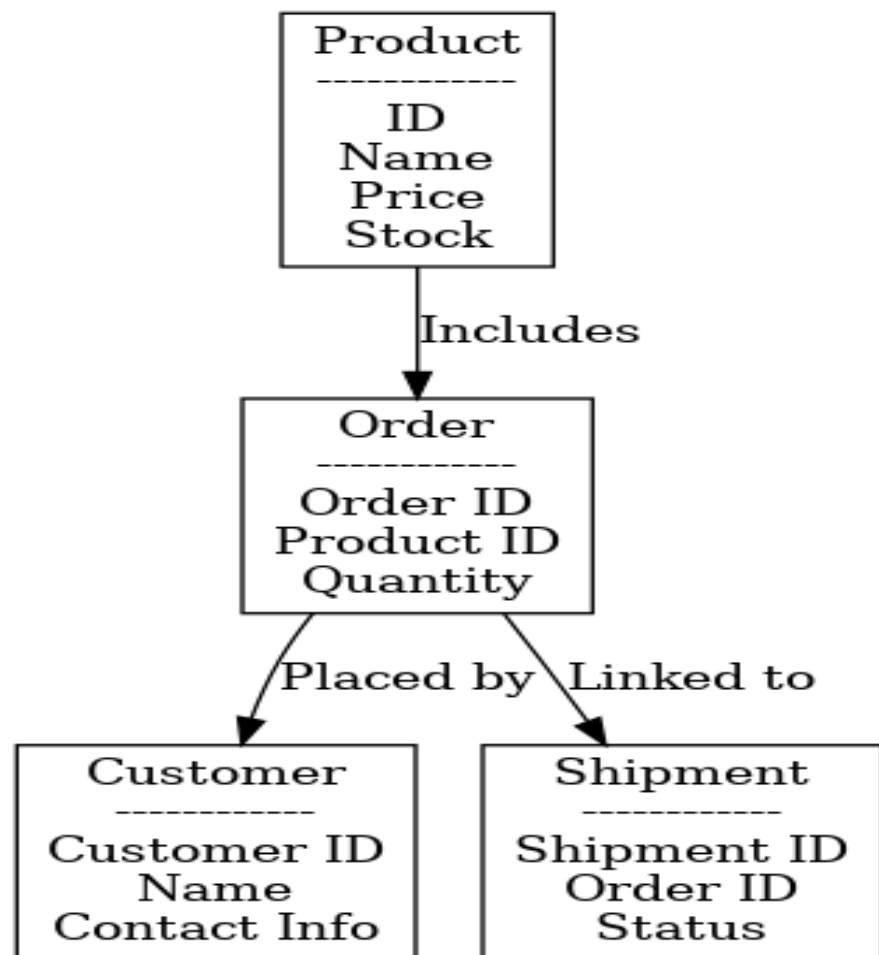
.Shipment: Tracking Number, Order id, Shipping Method Delivery Address, Carrier Details, Actual Delivery Date, Shipping Status.

Customer: Name, Contact, details, and shipping address,

Delivery Zone: Delivery time, location, shipping Costs

Payments: payments id, order id, Customer id, Payments amount, payments method, payments status, Transaction data etc .

2. Draw Relationships Between Entities:



Entity-Relationship Diagram (ERD) based on your provided structure. It visually represents how the entities **Product, Order, Customer, Shipment, and Delivery Zone** are connected in your e-commerce marketplace.

4. Focus on Key Fields for Each Entity:

Products:

.ID: Unique identifier for each product.

.Name: Name of the product.

.Price: Cost per unit.

.Stock: Quantity available.

.Category: Classification of the product (e.g., Electronics, Clothing).

.Tags: Keywords for search (e.g., "New Arrival").

.Orders:

.Order ID: Unique identifier for each order.

.Customer Info: Name, contact details, and address.

.Product Details: List of products, quantities, and prices.

.Status: Order status (e.g., Pending, Shipped, Delivered).

.Timestamp: Date and time of order placement.

.Customers:

.Customer ID: Unique identifier.

. Name: Full name of the customer.

.Contact Info: Phone number and email address.

.Address: Delivery address.

.Order History: Past orders placed by the customer

. Delivery Zones:

.Zone Name Name or identifier of the delivery zone.

.Coverage Area: List of postal codes or cities served.

.Assigned Drivers: Details of drivers or couriers.

.Shipment:

Shipment ID: Unique identifier for tracking.

Order ID: Linked order.

Status: Current status (e.g., In Transit, Delivered).

Delivery Date: Expected or actual delivery date.

4. Keep It Simple Yet Comprehensive:

- . Avoid overloading your schema with unnecessary details at this stage.
- . Focus on capturing the core functionality and key relationships that will drive your marketplace.
- . Ensure the schema is flexible enough to accommodate future growth or changes.

5. Test Your Schema:

- . Cross-check your schema with your marketplace's business goals.
- . Validate if the schema supports critical operations like inventory management, order tracking, and customer engagement.