

DAY 1 OF HACKATHON THREE

STEP 1

MARKET PLACE TYPE

General E-Commerce **PURPOSE:**

The purpose of my marketplace is to provide athletes and fitness enthusiasts with high quality product in one convenient platform.

STEP 2

WHAT PROBLEMS DOES YOUR MARKET PLACE SOLVE ?

It offers a one-stop solution for people to buy premium athletic gear without searching across multiple stores.

WHAT IS YOUR TARGET AUDIENCE ?

Athletes , fitness enthusiast or any individual who is interested in these type of athletic gears.

WHAT PRODUCTS WILL YOU OFFER?

Athletic shoes, sweats, shorts, jerseys gym bags and other fitness accessories.

STEP 3

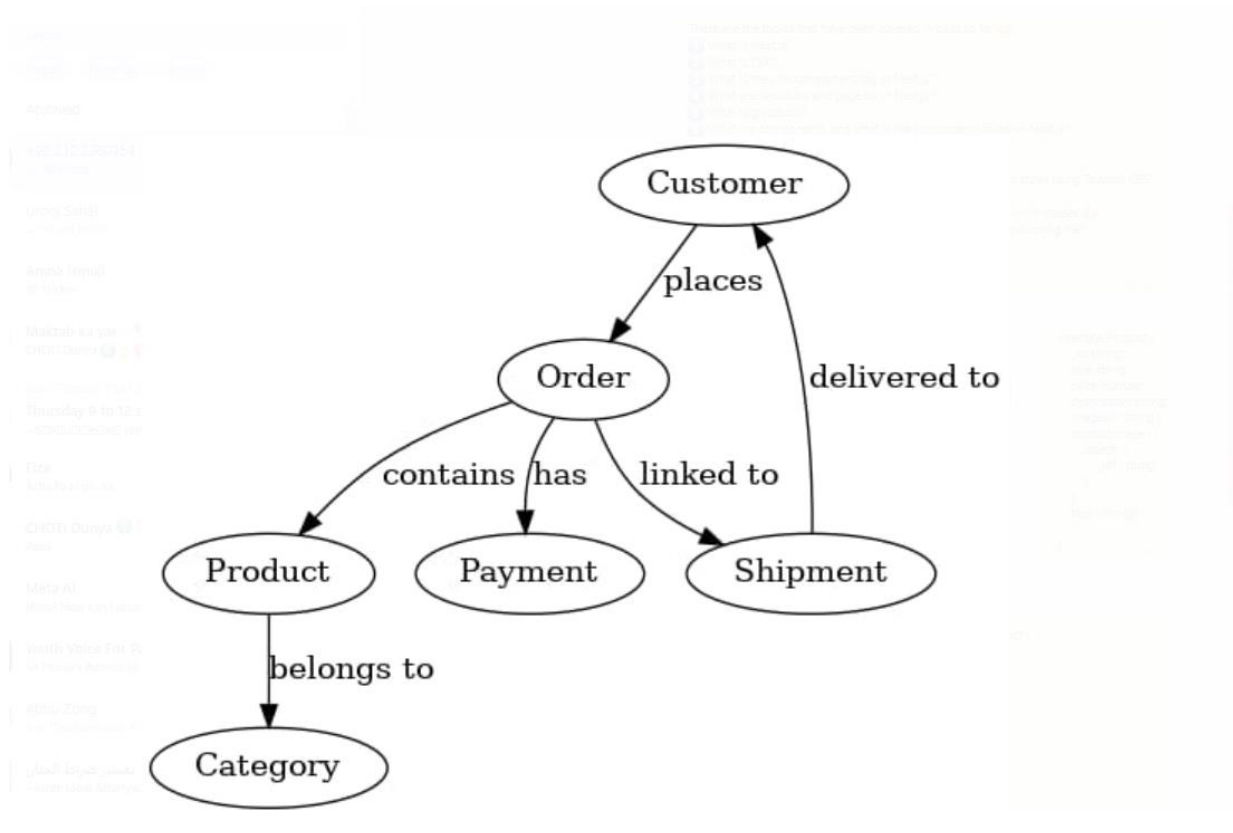
ENTITIES:

1. Product
2. Orders
3. Customer
4. Shipment
5. Payments
6. Categories

RELATIONS BETWEEN ENTITIES:

- A customer will place an order for one or more products.
- Order are linked to payment and shipment

- Product belongs to a categories
- Shipment delivers the order to the customer



KEY FIELDS FOR EACH ENTITY:

PRODUCTS:

- Unique ID
- Product name

- Product price
- Stock
- Description
- Category
- Image

CUSTOMER:

- Unique customer ID
- Full name
- Email for contact
- Address
- Phone number

ORDERS:

- Unique id for each order

- List of all products in order
- Total price
- Status (pending , delivered ...)

SHIPMENT:

- Unique shipment id
- Linking of shipment to the specific order
- Status

PAYMENT:

- Unique id for each payment
- Linking of payment to specific order and shipment
- Total amount paid
- Payment method (card,COD..)

PRODUCT CATEGORY:

- Unique id for each category
- Category name
- Details about category

DAY 2 OF HACKATHON THREE

SETTING TECHNICAL FOUNDATION

The report translates the business goals defined in the initial planning phase into technical requirements, system architecture, and workflows. It serves as a comprehensive guide to ensure alignment between development goals and the marketplace's operational needs.

EXPLAINING OF THE ARCHITECHTURE:

CUSTOMER:

The user interacts with the frontend, initiating requests and expecting responses.

FRONTEND:

provides the user interface (UI) and handles the user's interaction with the system.

API LAYER:

Acts as a middleware between the frontend and various backend services.

Divided into two main parts:

1. Payment Gateways: Enables secure transactions.
2. Shipment Tracking API: Provides real-time updates on order deliveries.

DATA BASE:

Handles content management (e.g., product descriptions, blogs, or order details).

