Hackathon : 03

Day 1: Laying the foundation for your marketplace journey

Step 1: Choose Your Marketplace Type

- <u>General E-Commerce</u>

Q) Document your choice and describe its primary purpose.

Primary Purpose :

- allows customers to choose and purchase product online
- offers wide variety of products in one place
- enables to reach a global audience.

Step 2 : Define your Business Goals.

Q) What problem does your marketplace aim to solve?

- Convenient and accessible platform.
- offer global reach.
- give access of products online
- personalization of shopping experience
- affordable range.

Q) Who is your target audience.

- fitness enthusiasts
- Athletes
- Youth
- Trendsetters

Q) What products will you offer?
  - Wide variety of Sneakers
    - Leggings
    - Tops (Men's & Womens)
    - Jackets
    - Tracksuits
    - Jumpsuits
    - Hoodies & Sweatshirts.

Q) What will set your marketplace apart?
  - Fast delivery
  - Exclusive products

Step 3 Create a Data Schema
1) Identify entities in your marketplace.
  - Products
  - Order
  - Customer
  - Shipment
  - Delivery Zone
  - Payment
  - Review

2) Draw Relationships between Entities

[Products]
 - Product ID
 - Name
 - Price
 - Category
 - Tags
 - Discounted Price
 - Stock
 - Size

[Order] - - - - - - → [Customer]
 - Order ID   - Customer ID
 - Product ID   - Name
 - Quantity   - Contact
 - Total Price   - Email address
 - Status   - Address
 - Timestamp   - Order History

[Shipment] ← - - - - - [Delivery Zone]
 - Shipment ID   - Zone Name
 - Order ID
   Status   - Coverage Area
                         - Assigned Driver
 - Delivery Date

[Payment]
- Payment ID
- Order ID
- Payment Method
- Payment Status
- Amount

[Review]
- Review ID
- Product ID
- Customer ID
- Rating
- Comment

3) Focus on Key Fields for Each Entity.

Products:
- Product ID : Unique Identifier
- Name : Name of product
- Price : Cost of the product
- Tags : Keywords for searching & categorization (New Arrival, Sale)
- Category : Classification of product
- Size : Sizes available of the products

- Discounted Price: Cost of product after discount
- Stock : Availability of Product

Order :
- Order ID: unique order ID for identification
- Product ID : To get details of product ordered
- Quantity : quantity of products
- Total Price: Total cost of the order
- Status : Order status (Confirmed, Delivered, Pending, Shipped)
- Time stamp: Time when order was placed

Customer:

Customer ID: unique customer ID

Name : full name of the customer

contact : contact no of the customer

email : email address of the customer

address : delivery address of the customer

order history : order history of the customer.

Delivery Zone

- Zone Name : Name or identifier for delivery zone.

- Coverage Area: Poastal codes

- Assigned Driver : Name & details of the driver responsible for delivery

Shipments:

Shipment ID : unique shipment ID

Order ID : The order linked to the shipment.

Status : Current status of shipment (Transit , Delivered)

Delivery Data : estimate or actual delivery date.

Payment

- Payment ID: Unique identifier for each payment

- Order ID: order related to payment

- Amount : Total payment amount

- Payment Method: Method of the payment (COD. online . credit card)

- Payment status : Status of payment (Paid , Pending , Failed)

Review:

Review ID: Unique Identifier for each review

Product ID: to identify the product being reviewed.

Customer ID: to identify the custome gave the review

Rating: Rating score (1-5 stars)

Comment: Text feedback from the customer