Laying the Foundation for Marketplace

Step 1: Choosing Marketplace Type:

I have chosen "Quick Commerce" for my project.

Primary Purpose:
My Marketplace aims to deliver good food quickly to customers, ensuring that it is fresh and hygiene.

Step 2: Defining Business Goals

Q: What problem does my marketplace aim to solve?

A: My marketplace addresses the problem of accessing restaurant-quality meals and quick food delivery services. It ensures convenience for customers who want to enjoy fresh hot meals without stepping out.

Q: Who is my target audience?

A: 1). Busy Professionals who need quick, reliable food delivery during work hours.

2). Families who prefer the convenience of ordering meals at home.

3). Food enthusiasts seeking diverse menu options, including traditional cuisines and modern dishes.

Q: What product and service will I offer?

A: Products:
A wide range of dishes, including:
BBQ
Desserts
Pizzas
Desi Foods and more.

Services:
1). Quick delivery within an hour. St
2). Real-time order tracking to ensu). T
transparency.

Q: What will set my marketplace
apart?

A: 1)Speed: Rapid delivery within an
hour.
2)Customization: Options for customers.
to personalize their
dishes.
3). Affordability: Competitive pricing
and bundled meal
deals.
4). User-Experience: A modern,
intuctive platform with features
like real-time tracking and
seamless navigation.

Step 3: Creating a Data Schema

1). Identifying the Entities in my marketplace:

- Products: Food item available for customers
- Orders: Records of customer transaction.
- Customers: Individuals' data who register or place orders.
- Shipment: Tracks delivery status.
- Delivery Zones: Maps the area covered for deliveries.

2.). Draw Relationships between Entities

3).

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┌─────────────┐
│ Product     │
│ ID          │
│ Name        │
│ Price       │
│ Stock       │
└─────────────┘
      ↕  Orders Contain
         Products
┌─────────────┐          ┌──────────────┐
│ Order       │   ──→    │ Customer     │
│ Order Id    │ Customer │ Customer Id  │
│ Product Id  │ place    │ Name         │
│ Quantity    │ orders   │ Contact info │
└─────────────┘          └──────────────┘
      ↕  Orders are linked
         to shipment for tracking
┌─────────────┐          ┌──────────────┐
│ Shipment    │   ←───   │ Delivery Zone│
│ Shipment Id │ Shipment │ Zone Name    │
│ Order Id    │ belong   │ Coverage area│
│ Status      │ to a     │ Assigned dri │
│             │ delivery │              │
│             │ zone     │              │
└─────────────┘          └──────────────┘
```

3). Key fields for each Entity:

- Products:
  Id, Name, Price, Stock, Category, Tags.

- Orders:
  Order Id, Product List, Customer Info, Order Status, Timestamp.

- Customers:
  Customer Id, Customer Name, Contact Info, Address, Order History.

- Shipments:
  Shipment Id, Order Id, Delivery status, Delivery Date.

- Delivery zones:
  Zone name, Coverage area, Details of driver.