Task for Day 1

Step 1: Choose Your Marketplace Type

E-commerce Market Place.

Furniro - Market Place for
Office & House-Hold
furniture.

Purpose :-
connect buyers with
high quality house-hold & office
furniture.

Key features :-
* wide product range
* easy search & categorization
* seamless payment & shipping

BUSINESS GOAL

1. One stop solution

2. Target audience :-
    Home owners
    Offices / Business Owners
3. Offered Products

4.

1. Pr...

2. Or...

3. Cu...

4. D...
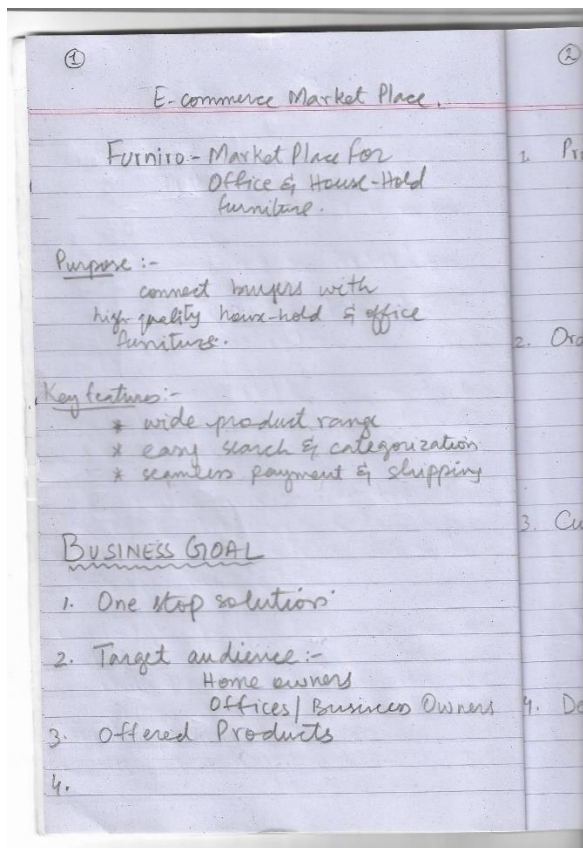
Choice: General E-Commerce

Primary Purpose:

A **General E-Commerce marketplace** is a platform that facilitates the buying and selling of a wide range of products across various categories, such as electronics, clothing, home goods, and more. Its primary purpose is to connect buyers and sellers, providing a convenient, centralized platform for transactions.

Key Features:

- Wide product range to cater to diverse customer needs.
- Easy product search and categorization.
- Seamless payment and shipping options.
- A focus on customer satisfaction through reviews, ratings, and support.

Examples: Amazon, eBay, and Flipkart.

Step 2: Define Your Business Goals
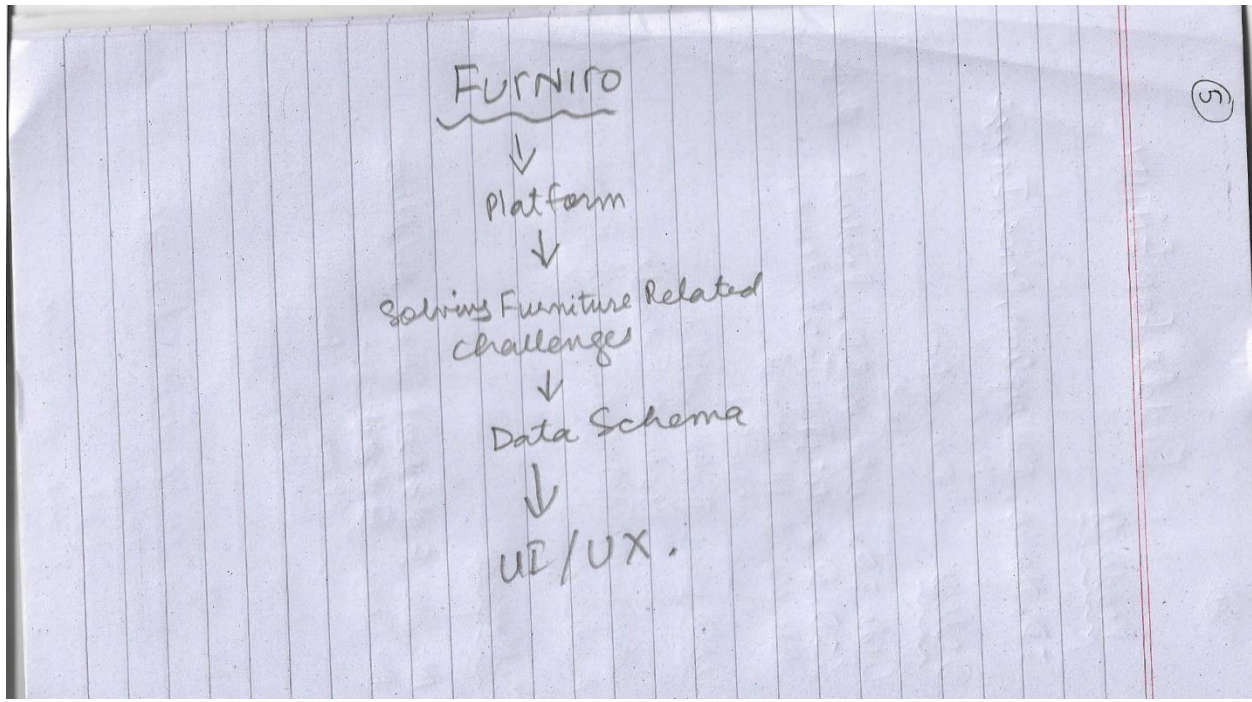
1. What problem does your marketplace aim to solve?

Our marketplace aims to address the challenges faced by homeowners and office managers in finding durable, stylish, and affordable furniture. Many individuals struggle to locate high-quality furniture that meets their needs for functionality, aesthetics, and long-term value. We provide a one-stop solution by offering a curated selection of household and office furniture, along with customization options to fit specific requirements.

2. Who is your target audience?

Our target audience includes:

- **Homeowners:** Individuals looking to furnish or upgrade their homes with stylish and functional furniture.

- **Office Managers and Business Owners:** Professionals seeking high-quality furniture for workspaces, such as desks, chairs, conference tables, and storage solutions.

- **Interior Designers and Architects:** Professionals designing homes or office spaces for their clients.

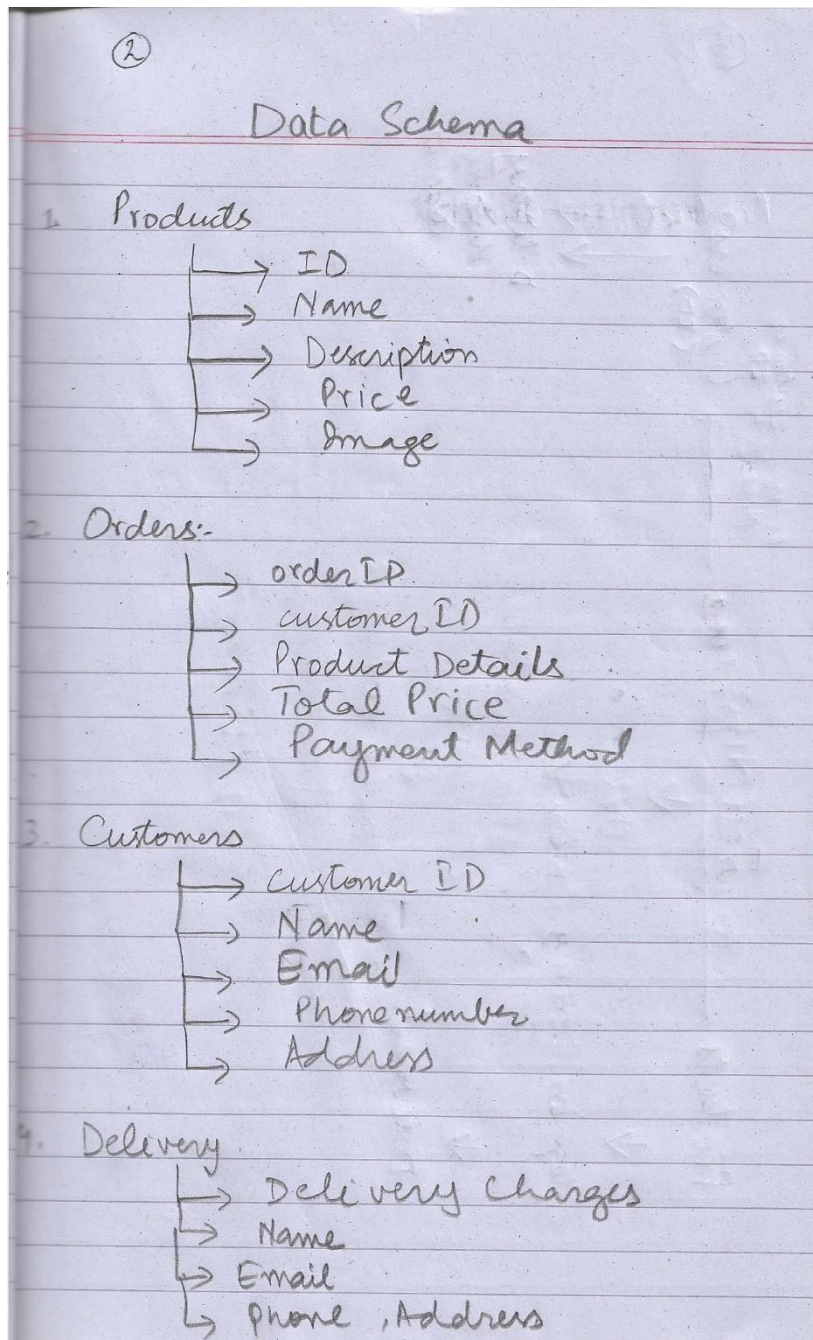**3. What products or services will you offer?**

We will offer:

- **Household Furniture:** Sofas, beds, dining tables, wardrobes, chairs, and storage units.

- **Office Furniture:** Ergonomic chairs, work desks, conference tables, filing cabinets, and modular office setups.

- **Customization Options:** Tailored designs, material choices, color palettes, and sizes to meet specific needs.

- **Delivery and Installation Services:** Convenient delivery and setup for homes and offices.

- **Furniture Bundles:** Complete solutions for specific spaces, such as living room sets or office starter kits.

4. What will set your marketplace apart?

- **Quality Assurance:** Every product is built with durable materials to ensure long-term use.

- **Affordability:** Competitive pricing, making high-quality furniture accessible.

- **Wide Variety:** A broad range of styles and designs to cater to diverse tastes, including modern, minimalist, and traditional furniture.

- **Convenience:** A user-friendly platform for easy browsing, ordering, and tracking, combined with reliable delivery and installation services.

Step 3: Data Schema

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Data Schema

1. Products
   - ID
   - Name
   - Description
   - Price
   - Image

2. Orders:-
   - order ID
   - customer ID
   - Product Details
   - Total Price
   - Payment Method

3. Customers
   - Customer ID
   - Name
   - Email
   - Phone number
   - Address

4. Delivery
   - Delivery Charges
   - Name
   - Email
   - Phone , Address

1. **Products**: Represents the furniture items available for sale.

   - **Fields**: ID, Name, Description, Price, Image URL.

2. **Orders**: Represents customer purchases.

    o **Fields**: Order ID, Customer ID, Order Date, Order Details
       (Product ID, Quantity), Total Price, Payment Method.

3. **Customers**: Represents users of the marketplace.

    o **Fields**: Customer ID, Name, Email, Phone, Address (Billing &
       Shipping).

4. **Delivery Zones**: Represents areas where delivery is offered.

    o **Fields**: Zone ID, Zone Name, Coverage Area (Cities/Regions),
       Assigned Drivers, Delivery Charges.

Relationships Between Entities

1. **Products → Orders**:

    o A product can appear in multiple orders.

    o Orders reference the Product ID.

2. **Orders → Customers**:

    o An order is placed by one customer.

o Customers are identified by Customer ID in the Orders table.

3. **Delivery Zones → Orders**:

 o Each order is associated with a delivery zone based on the
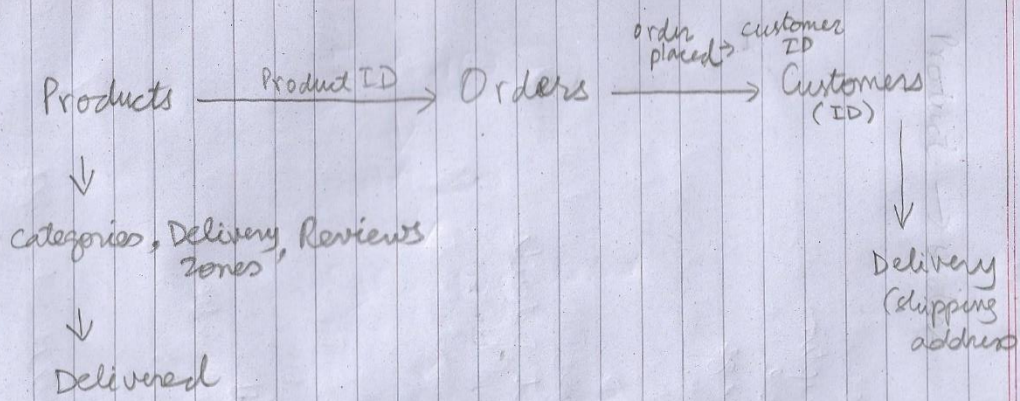
 shipping address.

4. **Orders → Shipment**:

 o Drivers are assigned to specific delivery zones.

 o Reviews reference the Product ID and Customer ID.

Diagram Representation

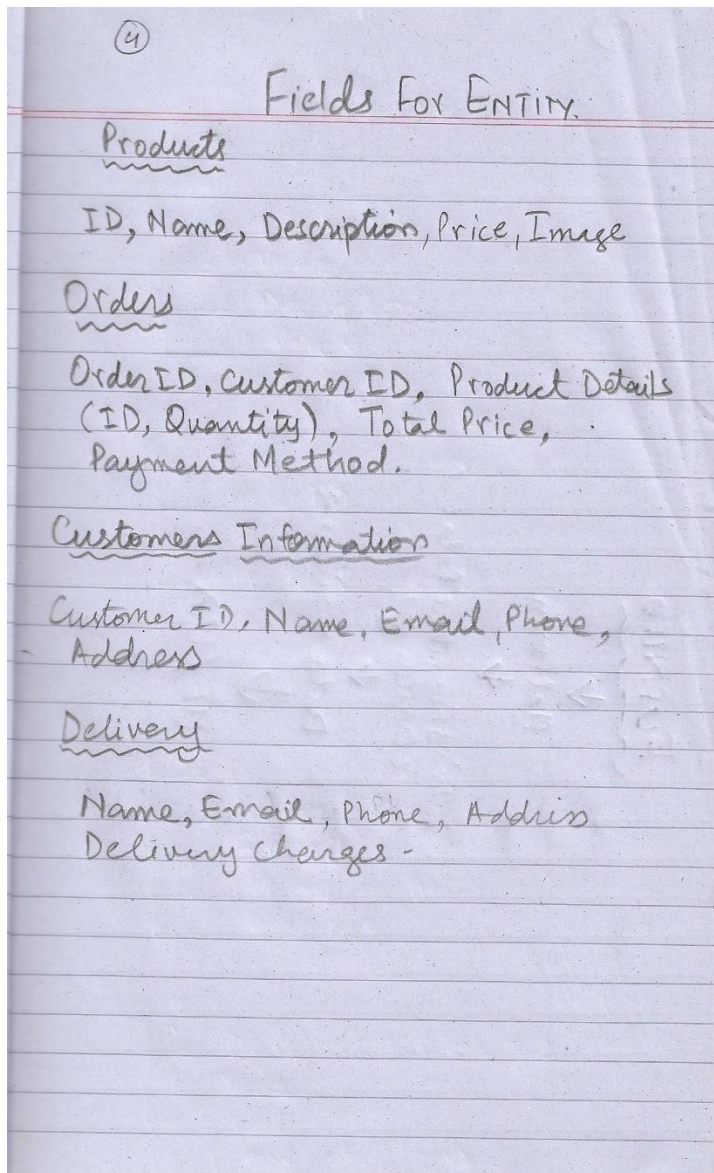Here's a simplified textual representation of the schema relationships:

```
[Products] ---------> [Orders] ---------->
[Customers]

    |                        |

[Categories]      [Delivery Zones] ---→

[Shipments]
```

Products ——— Product ID ——→ Orders ——— order placed → customer ID ——→ Customers (ID)

↓

Categories, Delivery, Reviews
Zones,

↓

Delivered

Delivery
(shipping
address)

③

Key Fields for Each Entity

1. **Products**:

    o ID, Name, Description, Price, Image URL.

2. **Orders**:

   ○ Order ID, Customer ID, Order Date, Product Details (Product ID, Quantity), Total Price, Status, Payment Method.

3. **Customers**:

   ○ Customer ID, Name, Email, Phone, Address (Billing & Shipping.

4. **Delivery Zones**:

   ○ Zone ID, Zone Name, Coverage Area, Assigned Drivers, Delivery Charges.

This schema provides the blueprint of marketplace's core functionality

Made By:

FURNIRO (E-Commerce Website)

Samreen Saif

Friday:9:00-12:00

Roll#:65146