**Hackathon 3**

**Day 1 Task:**

**Laying Foundation for Marketplace Journey**

### **Marketplace Type: “E-Commerce”**

**Primary Purpose**: To provide trendy, stylish, and customizable furniture catering to customers' needs and choices.

### **Define Business Goals**

#### **Q1: What problem does your marketplace aim to solve?**

It aims to provide high-quality, trendy, and customizable furniture options to customers, making it easier to access stylish and comfortable home décor online.

#### **Q2: Who is your target audience?**

Homeowners, interior designers, and furniture enthusiasts looking for modern and customer-demanded furniture for their homes or outdoor spaces.

#### **Q3: What products or services do you offer?**

* Sofas (e.g., single, three-seater, comfy, trendy designs)
* Dining tables with dining chairs
* Coffee tables, side tables, and round tables
* Outdoor bar tables and outdoor sofa sets
* Bella chairs and comfy sofa sets
* Customer-demanded furniture in stylish and trendy designs

#### **Q4: What will set your marketplace apart?**

* **Speed**: Fast shipping and order processing
* **Affordability**: Competitive pricing for premium furniture
* **Customization**: Wide variety of designs and options tailored to customer needs

### **Data Schema**

#### **Products**

* **ID**: Unique identifier for each product
* **Name**: Product name (e.g., comfy sofa, coffee table)
* **Price**: Price of the product
* **Stock**: Quantity available
* **Category**: Product category (e.g., sofa, table)
* **Tags**: Keywords for search and filtering (e.g., trendy, comfy, outdoor)

#### **Orders**

* **Order ID**: Unique identifier for each order
* **Customer Info**: Customer details (linked to Customer entity)
* **Product Details**: List of ordered products
* **Status**: Current order status (e.g., pending, shipped, delivered)
* **Timestamp**: Date and time of the order

#### **Customers**

* **Customer ID**: Unique identifier for customers
* **Name**: Full name of the customer
* **Contact**: Phone number and email
* **Order History**: List of previous orders

#### **Delivery Zone**

* **Zone Name**: Name of the delivery zone (e.g., North, Central)
* **Coverage Area**: Cities or regions covered in this zone
* **Assigned Drivers**: Drivers responsible for deliveries

#### **Shipment**

* **Shipment ID**: Unique identifier for each shipment
* **Order ID**: Linked to the corresponding order
* **Status**: Shipment status (e.g., in transit, delivered)
* **Delivery Date**: Estimated or actual delivery date

#### **Payments**

* **Payment ID**: Unique identifier for each payment
* **Order ID**: Linked to the corresponding order
* **Amount**: Total payment amount
* **Method**: Payment method (e.g., credit card, PayPal)
* **Status**: Payment status (e.g., successful, failed)

**“Entity Relationship Diagram”**

