

DAY 1 ASSIGNMENT

Furniture Marketplace Plan

Step 1: Choose Marketplace Type and Purpose

Marketplace Type: Furniture Purpose:

The goal is to create a platform that connects customers with high-quality furniture options for their homes & offices. The marketplace will provide a seamless shopping experience with a variety of styles, customizations, & delivery options to meet diverse customer needs.

Step 2: Define Business Goals

1. Problem to solve: Many customers face challenges in finding modern, durable, and customizable furniture in one place. Our platform will simplify this by offering a curated selection with delivery and assembly options.
2. Target Audience:
 - Urban professionals furnishing their apartments or offices.
 - Families looking for durable and affordable furniture.
 - Interior designers seeking unique, customizable furniture.
3. Products and Services Offered:
 - Products: Sofas, chairs, tables, beds, shelves, etc.
 - Services: Customization, delivery, and assembly.

4. How it's Unique:

- A wide selection of customizable furniture styles.
- User-friendly design tools for custom orders.
- Eco-friendly materials and sustainable sourcing.
- Competitive pricing with flexible payment plans.

Step 3: Data Schema Design

Below is the data schema for the Furniture Marketplace with essential entities and their relationships:

Entities & Their Fields:

1. Products:

- ProductID (Unique identifier).
- Name (Name of the product).
- Description (Details of the product).
- Price (Cost of the product).
- Stock (Available quantity).
- Category (Type of furniture, e.g., sofa, bed).

2. Order:

- OrderID (Unique identifier).
- CustomerID (linked to the customer placing the order).
- ProductID (linked to the purchased product).
- Quantity (Number of items ordered).

- TotalPrice (Calculated total for the order).
- OrderStatus (Pending, Confirmed, Shipped, Delivered).

3. Customers:

- CustomerID (Unique identifier).
- Name (Customer's full name).
- Email (Customer's email).
- PhoneNumber (Contact number).
- Address (Delivery location).

Data Schema Diagram:

This diagram below showcases the relationships between Products, Orders, and Customers:

1. Product → linked to Orders through ProductID.
2. Orders → linked to Customers through CustomerID.

