

Day :1

E-commerce project planning
With data schema

Day - 1

(E-commerce Website for Chairs)

Assignment Based on Marketplace

Builder Hackathon (2025)

Introduction

Our e-commerce website focuses on selling chairs, offering a streamlined and user-friendly platform where customers can browse and purchase a wide variety of chairs tailored to their needs. Using the following assignment outline the foundational steps to build our marketplace.

"Marketplace Type"

General E-commerce

- **Purpose:** To sell high-quality chairs that cater to a diverse audience, including ergonomic office chairs, stylish dining chairs, and comfortable lounge chairs.

• Customers:

- Customers ID
- Name
- Contact Info
- Order History

• Orders:

- Order ID
- Customer ID
- Products IDs
- Quantity
- status (Pending, shipped, delivered)

• Delivery Zones:

- Zone Name
- Coverage Area
- Delivery SLA

(Step 3: Data Schema)

[Products]

- ID: 01
- Name: "chair"
- Price: 20,000
- Stock: 35

[Customers]

- Customers ID: 301
- Name: "Sehe"
- Contact: "Sehe Khan@gmail.com"
- Address: "Lyari Karachi Pakistan"

[Order Details]

- Order detail ID: 101
- Order ID: 201
- Product ID: 401
- Quantity: 05

[Orders]

- Order ID: 201
- Customer ID: 301
- Total Amount: 5000
- Status: "Active"

[Delivery Zone]

- Zone ID: 35023
- Zone Name: "Sehe"
- Coverage Area: "Lyari town"
- Assigned Drivers: "Hamza"

(3) Products offered:

- Office chairs
- Wood chairs
- Plastic chairs
- Gaming chairs
- Customizable chairs

(4) Marketplace Differentiator:

- Wide variety of chairs for different needs and budgets.
- Customization options for specific requirements.
- Fast delivery and easy returns.

Data Schema

1. Core Entities and Relationships

- Products:
 - ID
 - Name
 - Type (office, wood, plastic etc)
 - Material (wood, metal, etc)
 - Color
 - Image
 - Price
 - Title
 - Stock
 - Description

(Business Goals)

(1). Problem our Marketplace Solves:

- Provides an easy and accessible Platform for Purchasing quality chairs.
- Ensures detailed descriptions and visuals for confident decision-making.
- Solves the challenge of finding ergonomic and stylish options under one roof.

(2) Target Audience:

- Office Professionals seeking ergonomic Solutions.
- Homeowners looking for stylish and functional dining, wood, Plastic Chairs.
- Interior designers requiring bulk purchases for Projects.