Name: Jawaria Noor   Roll No: 00459186

Hackaton 03

Day 01

Laying The Foundation Of My Journey:

Step 01:

Market Place Type

General E-commerce this type best suites our furniture market place as it caters to a wide range of products and allows for different customer needs.

Step 02:

Business Goals.

(i) Problems:

1- Difficulty in finding high-quality, Stylish furniture at competitive prices.

2- Inconvenience of visiting multiple physical Stores to compare options.

3- lack of transporency and trust in online furniture purchase.

(ii) Target Audience :-

1- Home owners and renters looking to furniture their home

2- Interior designers and decorators sourcing furniture for projects.

Step-03:
Create a data : Schema
(i) Entities:-
- Products :- furniture items (for example : Sofa, chairs, tables, beds, cabinets)
- Orders:- Purchase made by customers
- Customers:- Individuals or businesses buying furniture
- Sellers: furnitures manufacturess, retailerss or individual Sellers.
- Category: furnitures (eg: living room, dining room)
- Reviews: Customers feedback
- Shipping: Delivery and Logistic Solutions.
- Payments: Transaction details.

(ii) Relationships:

Product ID	Order ID		Customer ID		Seller ID
name	→ Custom ID	→	name	←	Comp.Name
Description	Order		Phone		Contact

- Product belong to Category   -- Product are sold by sellers
- Customer place order   -- order include Shipping details
- Order involve payment.

(iii) Key fields for entities:
- Product: Product.ID, name, description, Specification,

Price, images, dimension, color, seller ID, category ID.
- Orders: Order ID, customer ID, product ID, order date, Status, pay method.
- Customers: customer ID, name, email, phone, Address
- Sellers: seller ID, name, contact, Store info.
- Category: Category ID, name, description.

Step 04:-
Keep it Simple & Comprehensive:

This Schema provides a basic framework, you can expand it further with fields like review, rating, inventory management and more.

Step 05:
Test Your Schema:-

Review the Schema to ensure it aligns with core functionalities Consider how data will be used for search, filtering recommendations, inventory management and customer support.