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## Hackathon Day 1

\* My Full Road Map:-

① Market Place Type:

Ans) General E-commerce website

\* Furniture E-commerce store:

• Purpose: To provide a convenient platform for customers to browse, purchase & customize quality furniture online.

② Define Your Business Goals:

\* Problems and Solution related to marketplace aim:-

• Problem: Finding quality, affordable furniture easily.

• Solution: Online store with customizable, budget friendly options.

## \* Target Audience:

Homeowners, renters and businesses seeking quality furniture online.

## \* Products and Services we offer:

• **Products:** A wide range of home and office furniture, including chairs, tables, sofas, beds and other accessories that they might need to use.

• **Services:** Custom furniture Design, reliable delivery, & professional assembly to ensure a seamless customer experience.

## \* Unique Selling Points:

① **Speed:** Fast delivery and processing.

② **Customization:** Personalized furniture Designs.

③ **Affordability:** Quality at affordable prices.



### ③ Create a Data Schema:

#### \* Entities and Relationship in My Marketplace:

##### \* Entities:-

###### • Products:

Fields: Product ID, Name, Description, Category, Price, Quantity (e.g. tables, sofas etc).

###### • Orders:-

Fields: Order ID, User ID, Product ID, Price, Quantity, order Date etc.

###### • Customers:

Fields: Customer ID, Date of Birth, Name, Email, Payment info etc.

###### • Delivery Zones:

Fields: Zone Name, Area, City, Delivery Charges etc.

##### \* Relationships:-

- **Products ↔ Orders:** An order can contain multiple products.  
(Many-to-many Relationship)

- **Orders ↔ Customers:** A customer can place many orders.  
(One-to-many Relationship)

- **Orders ↔ Delivery Zones:** Each order is linked to one Delivery Zone.  
(Many-to-one Relationship)

### \* Focus on Key Fields for Each Entity:

- **Product:**

- Product ID: A unique identifier for the product.
- Name: The name of product.
- Price: The cost of product.
- Quantity: Number of units available.

- **Order:**

- Order ID: Unique identifier for the order.
- Customer ID: Links the order to the customer.
- Price: Total cost of order.
- Quantity: Number of units for each product.

- **Customer:**

- Customer ID: A unique identifier for the customer.



- Name: The name of customer.
- Email: The email of customer.

### • Payment:

- Payment ID: A unique identifier for the payment.
- Order ID: Links the payment to the corresponding order.
- Amount: The total payment amount.

### • Shipment/Delivery Zone:

- Zone name: Name of the delivery area or region.
- Area: Specific geographical area covered.
- Delivery Charges: Cost of the delivery with respect to that area or zone.

