Day_1:Hackathon Marketplace E-Commerce

1_Chose Marketplace

A: E-Commerce Furniture Marketplace named as Furniwise(Buy Furniture Wisely)

2_Bussiness-Goals:-

Q:What problems does your marketplace will solve?

A: My Market place will connect customers with premium quality furniture at almost-factory rates.

Q:Who is your target audience?

A: My target audience will be Mainly Offices and Houses.

Q:What products or services will you offer?

A: I will offer broad range of furniture products including sofas, office chairs, bed, wardrobes and others, in my marketplace

Q:What will set your marketplace apart (e.g., speed, affordability, customization)?

A: The main thing is every one want good product at low price, so i thing to fill this space by contracting will furniture factories direct, to make customers happy.

3_ Create a Data Schema:

1. Users Table

Field	Type	Description
`id`	UUID	Primary key for the user.
`name`	String	Full name of the user.
`email`	String	Unique email address for login.
`password`	String (hashed)	Encrypted user password.
`phone`	String	Contact number of the user.
`address`	JSON	Address details (street, city, etc.).
`role`	Enum	User role (`buyer`, `seller`, `admin`).
`createdAt`	Timestamp	Account creation time.
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Here's a schema for a **Furniture Marketplace** application. It includes key entities and relationships necessary for managing products, users, orders, and other marketplace features.

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2. Products Table

Field	Type	Description
`id`	UUID	Primary key for the product.
`name`	String	Name of the furniture item.
`description`	Text	Detailed description of the product.
`price`	Float	Price of the product.
`category`	String	Category (e.g., sofa, table, etc.).
`condition`	Enum	Condition (`new`, `used`).
`images`	Array of URLs	URLs for product images.
`stock`	Integer	Available stock quantity.
`sellerId`	UUID	Foreign key linking to `users.id`.

`createdAt`	Timestamp	Product listing time.
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3. Categories Table

Field	Type	Description
`id`	UUID	Primary key for the category.
`name`	String	Category name (e.g., chairs, beds).
`description`	String	Description of the category.

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4. Orders Table

Field	Type	Description
`id`	UUID	Primary key for the order.
`userId`	UUID	Foreign key linking to `users.id`.
`totalAmount`	Float	Total price for the order.

`status`	Enum	Order status (`pending`, `shipped`).
`shippingAddress`	JSON	Address details for shipping.
`paymentMethod`	Enum	Payment method (`card`, `COD`, etc.).
`createdAt`	Timestamp	Order creation time.
`updatedAt`	Timestamp	Last update time.

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5. Order Items Table

Field	Type	Description
`id`	UUID	Primary key for the order item.
`orderId`	UUID	Foreign key linking to `orders.id`.
`productId`	UUID	Foreign key linking to `products.id`.

`quantity`	Integer	Quantity of the product ordered.
`price`	Float	Price per item at the time of order.

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6. Reviews Table

Field	Type	Description
`id`	UUID	Primary key for the review.
`productId`	UUID	Foreign key linking to `products.id`.
`userId`	UUID	Foreign key linking to `users.id`.
`rating`	Integer (1-5)	Rating given by the user.
`comment`	Text	User's review comment.
`createdAt`	Timestamp	Time of review submission.

7. Payments Table

Field	Type	Description
`id`	UUID	Primary key for the payment.
`orderId`	UUID	Foreign key linking to `orders.id`.
`amount`	Float	Amount paid.
`paymentMethod`	Enum	Payment method (`card`, `COD`, etc.).
`status`	Enum	Payment status (`completed`, `failed`).
`transactionId`	String	Transaction ID from payment gateway.
`createdAt`	Timestamp	Time of payment.