Hackathon Day 1

E-Commerce :-

I created a furniture website to provide a convenient platform for people to browse & purchase furniture from the comfort of their homes. The aim was to simplify the shopping process by offering detailed product information, competitive pricing, & a seamless online experience.

How it helps people:

1. **Convenience:** Customers can explore various furniture options anytime & anywhere without visiting physical stores.

2. **Wide range of Options:** The websites offers a variety of designs, materials, and price ranges to suit diverse needs.

3. **Time-Saving:** With a well-organized catalog & easy navigation, customers can quickly find what they're looking for.

Features of the websites:-

. User-friendly Interface: The website is easy to navigate with clear categories for different types of furnitures.

2. Responsive Design: The website is optimized for all devices, ensuring a smooth browsing experience on mobile, tablets, & desktop.

3. Wishlist: Users can save products for fure purchases.

4. Delivery Tracking: Customers can track their orders in real-time.

Data Schema for a Furniture: -: Website :-

[Product]
- Product ID
- Name
- Description
- Price
- Color
- Dimensions (Width, Height, Dept)

- Stock
- Category ID
- Images
- Is featured

[Category] - - - - - > [Customer]
- Category ID   - Customer ID
- Name   - Name
- Description   - Email
                       - Phone
                       - Address

[Order] - - - - - - - > [shipment]
- Order ID   - Shipment ID
- Customer ID   - Order ID
- Product ID   - Delivery Address
- Quantity   - Delivery Dates
- Total price   - Status
                       - Assigned Driver

[Review] < - - - - - - [Delivery zone]
- Review ID   - Zone Name
- Product ID   - Coverage Area
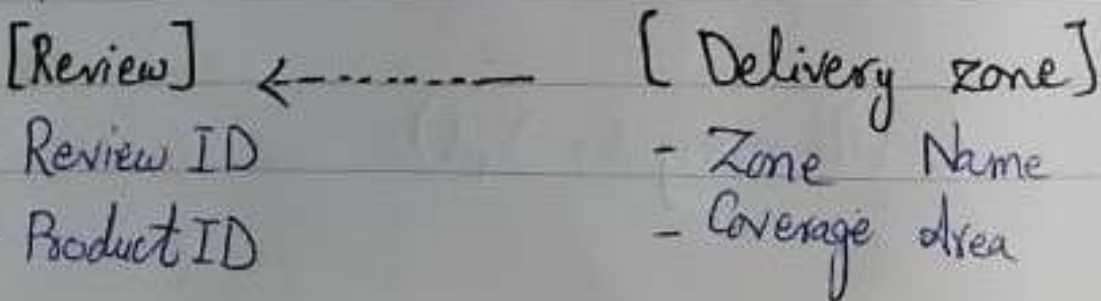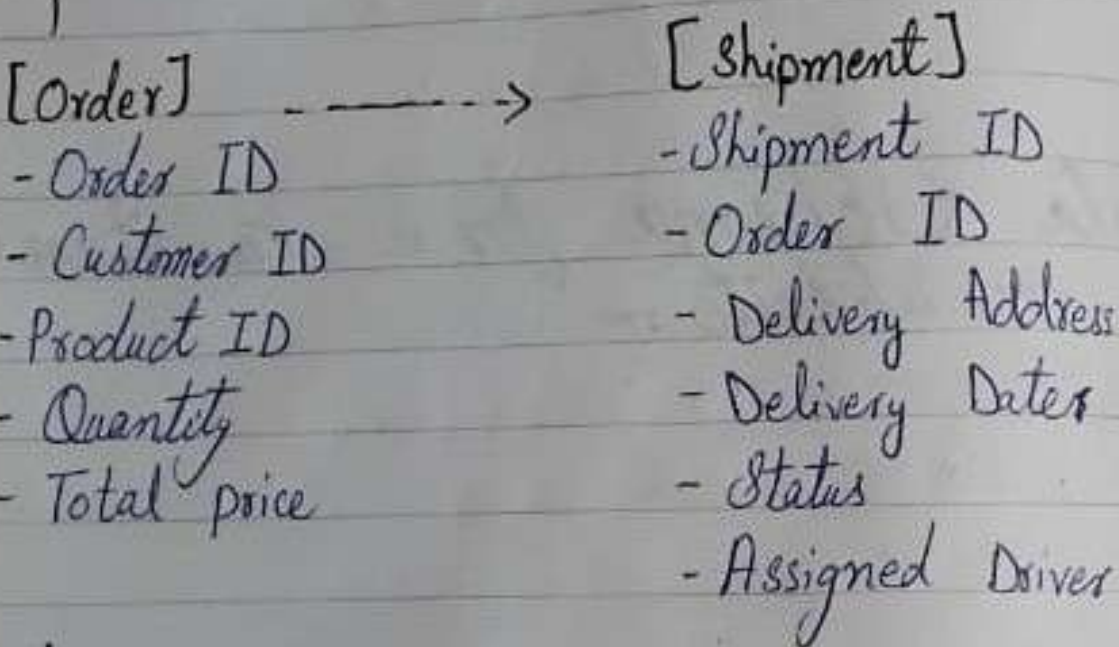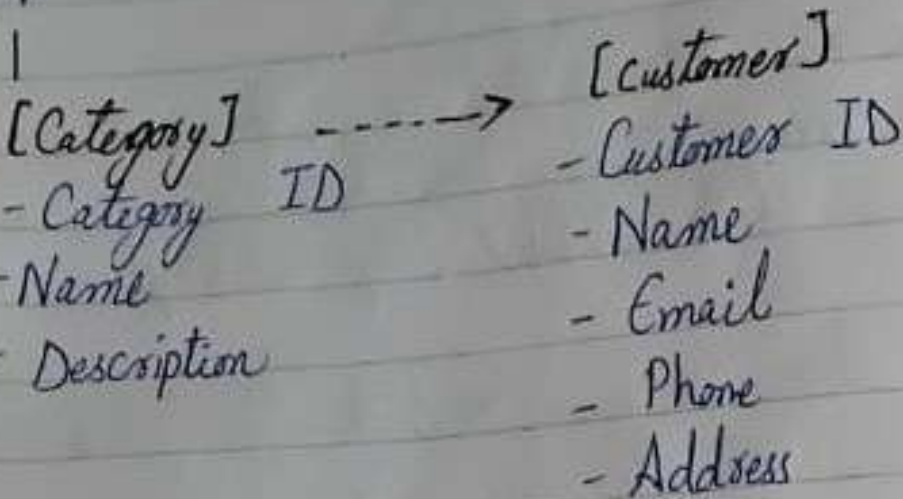
- Customer ID
- Rating
- Comment

1. Product:

1. Product ID: Unique identifies for the product.
2. Name: Name of the furniture item.
3. Description: Details about the product features.
4. Price: Cost of the furniture item.
5. Category ID: Reference to the product category.
6. Color: Colors options for the product.
7. Stock: Quantity available for purchase.
8. Dimensions: Size (width, height, depth).
9. Images: links to product images.
10. Is Featured: Highlights special products.

2. Category:

1. Category ID: Unique ID for the category.
2. Category Name: Name of the product category.
3. Description: Brief about the category's purpose.

3. Customer:

1. Customer ID: Unique identifies for the customer.
2. Name: full name of the customer.
3. Email: Contact email for communication.

4. Phone: Customer's phone number.

5. Address: Location for delivery purpose.

4. Order.

1. Order ID: Unique ID for each order.

2. Customer ID: Reference to the ordering customer.

3. Product ID: Reference to the purchased product.

4. Quantity: Number of items in the order.

5. Total Price: Cumulative cost of the order.

5. Shipment.

1. Shipment ID. Unique ID for shipment tracking.

2. Order ID: Reference to the related order.

3. Delivery Address: Location where items are delivered.

4. Delivery Date: Scheduled delivery date.

5. Status: Current delivery status (e.g. pending).

6. Review:

1. Review ID: Unique ID for the product review.

2. Product ID: Reference to the reviewed product.

3. Customer ID: Reference to the reviewer.

4. Rating: Customer's rating (1 to 5 stars).

5. Comment: Feedback about the product.

Delivery Zone:

- Zone Name: Name of the delivery area.
- Coverage Area: Locations included in the zone.
- Assigned Driver: Driver allocated to the zone.