First Day Task

1. Market Place:

General E-Commerce website.

Purpose:

This website will allow users to browse and easily purchase items according to their prefrences, with multiple categories to choose from. It also provides a product comparison feature. Categories include watches, women's jewelry, household items such as laptop tables, study tables, and more.

2. Business Goals:

Q: What problem does your marketplace aim to solve?

A. Our platform solves the problem of scattered shopping experiences by offering multiple categories of items on a single page,

making it easier for customers to find what they need. Additionaly, we provide products at affortable prices, ensuring a budget-friendly shopping experience for all.

Q: Who is your target audience?
A: Our platform is designed to cater to a wide range of customers, including professionals, women, children, and anyone looking for an easy, affordable shopping experience. It is a one-stop shop for people of all ages and background.

Q: What products or services will you offer?
A. Products:
- Watches
- Women's Jwelry
- Household Items (eg tables, home decor, etc.)

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

A. Affordability:

Our platform offers competitive prices, ensuring better value for money compared to other marketplaces. We aim to provide quality products at affordable rates, making shopping accessible for everyone.

Speed:

Our platform ensures quick delivery, making sure that products reach customers as soon as possible, while maintaining safety and reliability during transit.

Customization:

Our platform organizes products by categories, providing a simple and seamless browsing experience for users.

3. Data Schema :

Products:
- Product ID : Unique Identifier for each product .
- Name : product name
- Price : per product price
- Stock : quantity available.
- Category : Classification of the product
- Tags : keyword for search
- Description : product description

Orders:
- Order ID : Unique identifier for each order .
- Customer Info : Name , Contact details , and address .
- Product Details : list of products, quantities and prices .
- Status : Order status (e.g., Pending, Shipped , Delivered).
- Timestamp : Date and time of order placement.

Customers:
- Customer ID: Unique identifier
- Name : Full name of the customer.
- Contact Info : Phone number & email address
- Address : Delivery address.

Delivery Zones:
- Zone name : Name or identifier of the delivery zone.
- Coverage Area : list of postal codes or cities served.

Shipment:
- Shipment ID : Unique identifier for tracking.
- Order ID : linked order.
- Status : Current status (e.g., Transit, Delivered).
- Delivery Date : Expected or actual delivery date.

Draw Relationship Between Entities

[Product]
- ID : P001
- Name : Laptop table
- Price : $20
- Stock : 15

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[Order] → [Customer]

[Order]
- Order ID : O21
- Product ID : P001
- Quantity : 1

[Customer]
- Customer ID : C327
- Name : Hudaib
- Contact Info : 030001919,
  abc@gmail.com

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[Shipment] ← [Delivery zone]

[Shipment]
- Shipment ID : S201
- Order ID : O21
- Status : Transit

[Delivery zone]
- Zone name : Zone S (Downtown area)
- Coverage area : Zip Codes:
  12345, 12346, 12347