

Day 1: Building the Foundation for E-Commerce Website

Objective:

To design a seamless e-commerce platform for selling dresses, focusing on aligning business goals and technical implementation through clear documentation of ideas, goals and data schemas.

1. Marketplace Type: General E-commerce platform for Dresses.

Primary Purpose:

- Provide a platform for purchasing affordable and trendy dresses of all types (casual, formal, seasonal, etc)
- Cater to customer's fashion needs with a wide variety of dress styles and categories.
- Focus on user convenience, ease of navigation, and secure payment processing

Why choose this type?

- Fashion is a constantly growing market with a wide customer base.
- It offers opportunities for seasonal sales, repeat purchases and brand loyalty.
- Can introduce innovations like personalized recommendation and virtual try-on features

2: Business Goals:-

(i) Problem to Solve:

- Simplify the process of buying dresses online
- Offer customers a wide variety of dress styles and sizes
- Ensure fast delivery and customer satisfaction
- Simplify return process with clear guideline
- Include multiple payment method.

(ii) Target Audience:

- Women, men and children looking for fashionable dresses.
- Individuals seeking affordable and stylish clothing for casual, formal or festive occasions
- Customers who value high quality fabrics and diverse clothing.

(iii) Products and Services Offered:

• We offer a wide range of products including (casual, formal, evening, wedding, etc) along with accessories and related clothing items

Services: Our services include fast delivery and easy return as well as option for custom dress design.

- What set us apart are
 - Personalized styling option
 - Virtual try-on features
 - Eco-friendly fabric options.

3. Data Schema (Flow Chart)

<u>Product</u>	<u>Order</u>	<u>Customers</u>	<u>Delivery Zone</u>
ID	ID	ID	ID
Name	customerID	Name	Name
Description	ProductID	Email	covered Areas
Price	Quantity	contactNo	Delivery charges
stock	Total price	Address	Estimated delivery Time
category	OrderStatus	PaymentInfo	Delivery boy (detail of delivery)
Images			
Rating			
size			
colour			

Diagram of Data Schema

Product:

- ID : 1104
- Name : Leather Jacket
- Price : 10,000
- Stock : 30
- Size : Medium
- Color : Black

Order:

- OrderID : 600
- customerID : 500
- Quantity : 3
- Total Amount : 30,000
- Status : "Active"

Customer:

- customerID : 500
- Name : "Mishbah Ahmed"
- Contact Info : mishbah@gmail.com
- Address :

Delivery Zone:

- ZoneID : 20190
- Zone Name : Clifton, south
- Coverage Area : DHA Ph II
- Assigned drivers : "Ali"

Shipment:

- shipmentID : 301
- OrderID : 600
- Status : "Active"

Shipment

- shipmentID
- OrderID
- Status (on the way, delivered)
- Delivery date

Payment

- PaymentID
- OrderID
- Payment Status
- Amount Paid
- Payment method
- Payment Date

Reviews

- ReviewID
- ProductID
- CustomerID
- Rating (1-5 stars)
- Comment