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 schemes

1- Marketplace Type:-

→ E-commerce platform for Dresses

Primary purpose:-

- Provide a platform for purchasing dresses of all type (casual, formal, traditional, etc)
- Cater to customer's fashion needs with a wide variety of dress styles and catagories
- 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 purchase and brand loyalty.

- Can introduce innovations like Personalized recommendation and virtual try on features.

2- Business Goals:-

→ 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 and simplify return process

→ Target Audience:
- Women, Men and children looking for fashionable dresses, individual seeking
- affordable and stylish clothing for casual formal or festive occasions

→ Product and services offered:
- Products: Dresses (casual, formal, evening wedding etc) accessories and related clothing items.
- Services: fast delivery and easy return, custom dress and designs and virtual try on feature using AI.

→ Differentiations:-
• Personalized styling options
• Virtual try on features
• Eco-friendly fabric options

3- Data Schema:-

Product:
Product-ID :
name :
description :
price :
stock- quantity
Size:
Image URL :
Rating:
Category:
colour:

Order:
Order-ID:
Customer ID:
Product ID:
Quantity:
Total price:
Order status:

Customers
ID:
name:
Email:
phone No:
Address :
payment Info:

Delivery Zone:
ID:
name:
Covered areas:
delivery charges:
estimated delivery:
Delivery boy :
(detail of person)

Diagram of Data Schema :-

Products:
ID: 47298
Name: Leather Jacket
Price: 5000
Stock: 30

Orders
Order ID: 390
Customer ID: 205
Quantity: 3
Total Amount: 20,000
Status: Active

Customers
Customer ID: 205
Name: Amit
contact: [email]
Address: ...

Shipment
Shipment ID: 301
order P: 320
Status: Active

Delivery Zone
Zone ID: 75006
Zone name: ...
Coverage area: ...
assigned: Direct ...

Shipment
Shipment ID :
order ID :
status : (on the way) delivered
Delivery date :

Reviews
Review ID :
Product ID :
customer ID :
rating : (1-5 stars)
comments :

Payment
Payment ID :
order ID :
Payment status :
Amount Paid :
Payment method :
Payment Date :