ACCESSORIES

MEN

WOMEN

KIDS

Featured Products

Problems trying to resolve the conflict between

Problems trying to resolve the conflict between

Graphic Design

English Department

Graphic Design

English Department

Graphic Design

English Department

Graphic Design

English Department

10:23 PM
12/28/2024

Muhammad faisal Siddiqui

Day : 2 Market place Technical Planning

Muhammad faisal Siddiqui
Friday 7 to 10 PM Batch.
Roll Number: 00347795.

Hakhaton : 3

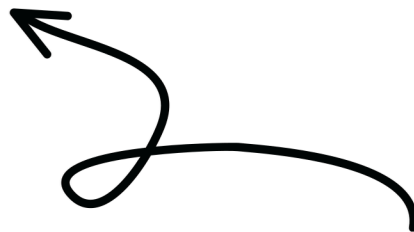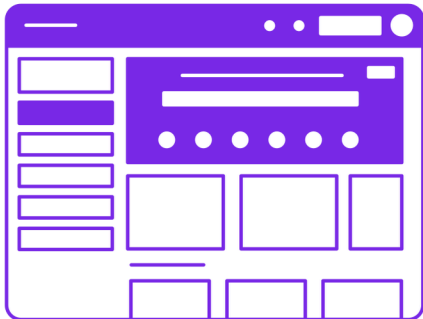**prepared by: Muhammad faisal Siddiqui**

Day 2 Activity : MarketPlace Technical Planning.

1.Frontend Requirements:

1.User Friendly Responsive Site. 2.General Ecommerce Products For All Genders. 3.Pages

Like: Home About Shop Team etc... 4.Languages Like Next.JS : As i'm using NEXT.JS which

helps In Good SEO because it is using
SSR (Server Side Rendering) which is very fast and good for SEO.

2.Sanity CMS As Backend :

1.Use Sanity CMS to handle product data dynamically, User info, Order details. 2.Fetching

Data using Grooq Query to display data in UI also handle Order Details, User Info.

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3.Api Setup (Third Party):

1.Using Api's for shipment tracking, payment gateaway, and other backend requirements

2.Using Api for data fetch in sanity then render it on UI. 3.For Example: A Person has a Api

with data like **{name:anyname, title:anytitle,
description:any etc}** now we use this Api to fetch data in sanity then we write a query in our code to fetch it and display it.

4.Dynamic Routing:

1.Using Dynamic routing to auto routing every product using slug which catch the product title like [Black Trouser For Men] and make Slug like this [black-trouser-for-men].

2.You can use [id] or [name] for this as well like in url its like productdetails/1 /2 the id and name like this productdetails/blacktrouser /pinksuit
3.**Which One is Best? :** As Our Sir taught us **SLUG** is best for all others as it is good for SEO as well it generates like tags which increases the chances to reach high rank in SEO.

5.General eCommerce Example:

1.EndPoint Name: /shop

2.Explaination: Now if you go on route /shop it fetch all the data from Api or if you use Sanity so it fetch all data from Sanity.
3.Response: If you use Api or Sanity & in your code you write like this **{product.name}, {product.id}** etc the data fetched from there.

6.Data Schema:

1.Even if you have Api you still have to define the Schema under sanity folder

2.**For Example Data Schema (Customer,Order):** {userid,username,userphone,useremail}.

3.**For Example Data Schema (Product,ProductDetails):**
{productid,productname,productdesc,productquantity,productimage,productprice}.

7.Endpoints:
1.**Endpoint Name:** /products

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Method: GET

Description: It fetch all product data from SANITY CMS

FOR EXAMPLE: Productdetails{id,name,description,price,quantity,sizes,colors}.

2.**Endpoint Name:** /orders

Method: POST

Description: It create the user order in SANITY CMS

FOR EXAMPLE: Customer Info, id, name, phone,

3.**Endpoint Name:** /shipment

Method: GET

Description: Tracking system for products from third party Api.

FOR EXAMPLE: Shipment ID, order ID, status, expected delivery date.

8.Payment Method:

1.**WORLDWIDE:** Using Payment Methods Like Stripe, Paypal Etc..

2.**IN PAKISTAN:** In Pakistan there are some payment methods like : Alfa Payment Gateaway, HBLPay Checkout HBL, JazzCash Merchant, EasyPaisa Merchant etc...

9.SIGN IN & SIGN UP (Authentication):

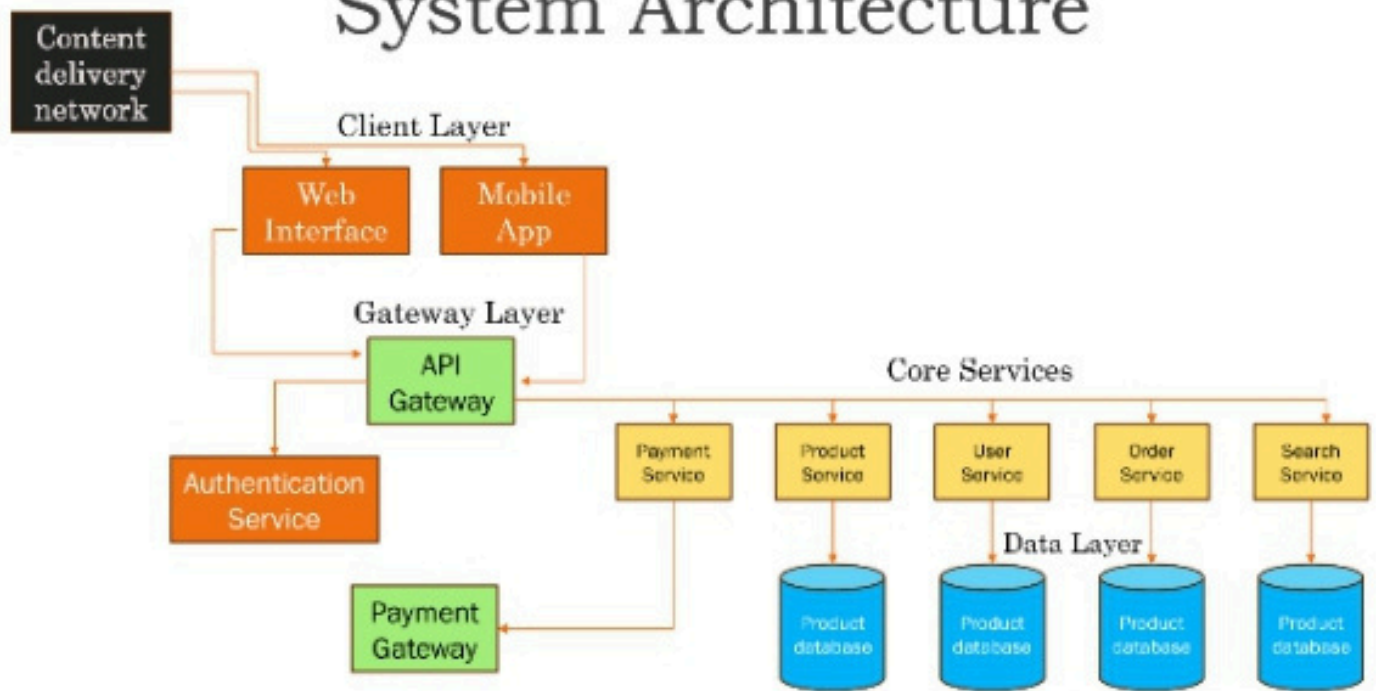1.As we have'nt learned yet about Authentication so i will update it later.

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System Architecture

Content delivery network

Client Layer

Web Interface   Mobile App

Gateway Layer

API Gateway

Core Services

Authentication Service

Payment Service   Product Service   User Service   Order Service   Search Service

Data Layer

Payment Gateway

Product database   Product database   Product database   Product database

How user will interact

User → Visit Website → Search or Browse

Search or Browse → View search result, View Category Items

View search result, View Category Items → View Product Details

View Product Details → In Stock?

In Stock? — Yes → Add To Cart

In Stock? — No → Join Waitlist

Add To Cart — Yes → Shopping Cart

Add To Cart — No → Search or Browse

Shopping Cart — Yes → Checkout

Continue Shopping? — Yes → Checkout

Continue Shopping? — No → Search or Browse

Checkout → User Account?

User Account? → Quick Checkout, Login

Login → Enter Shipping Details

Quick Checkout → Enter Shipping Details

Enter Shipping Details → Choose Delivery Method

Choose Delivery Method → Payment

Payment → Payment Success?

Payment Success? — No → Payment

Payment Success? → Confirmation

Confirmation → Order Complete

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