

## 1 Front-End Requirements

### Responsive UI

A responsive UI ensures that a website or app adapts to different screen sizes and devices (like mobile, tablet, or desktop), providing a smooth and consistent user experience.

### User Interaction

How users engage with a website, app, or system. This includes actions like clicking buttons, scrolling, typing, swiping, or any other way a user communicates with the interface.

### Checkout Process

The checkout process is the final step in an online purchase, where customers review their cart, provide details, choose a payment method, and confirm the order.

### Authentication

Authentication is the process of verifying a user's identity to ensure they are who they claim to be. This is typically done using credentials like passwords, PINs, biometrics, or security tokens.

## 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.

## 3 Api Setup (Third Party)

1. Using Api's for shipment tracking, payment gateway, 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

## 5 General E-Commerce Example:-

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.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):  
{user  
id,username,userphone,usere  
mail}.

3.For Example Data Schema (Product,ProductDetails):  
{productid,productname,prod  
uctdesc,productquantity,prod  
uctimage,productprice}.

## 7 Endpoints

1.Endpoint Name: /products  
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

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

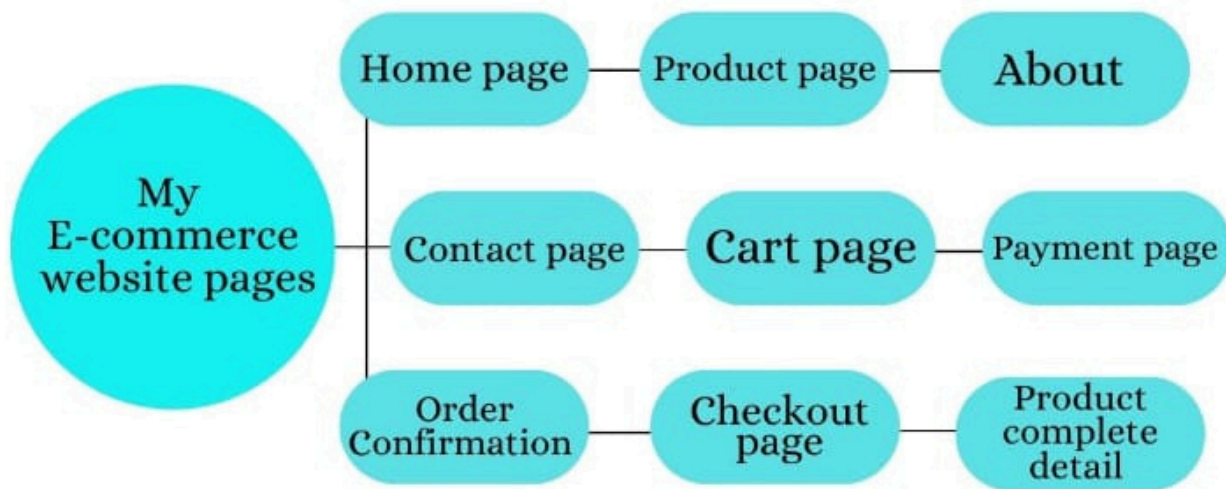
In Pakistan there are some payment methods like : Alfa Payment Gateway, HBLPay Checkout HBL, JazzCash Merchant, EasyPaisha Merchant etc...

### 9 SIGN IN & SIGN UP (Authentication):

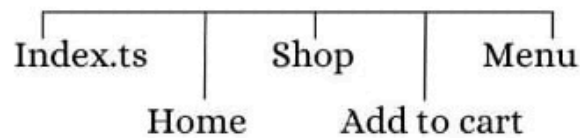
1.As we have'nt learned yet about Authentication so i will update it later.

End Points	Method	Description	Response
//product	Get	Fatch all available product	<pre>{   "id": 1,   "name": "Shoes",   "price": "1500",   "stock": "15",   "image": "url" }</pre>
//shipment	Get	Track shipment status	<pre>{   "order Id": "abc",   "status": "sucess",   "amount": "1500",   "image": "url" }</pre>
//order	Post	Create a new order	<pre>{   "order Id": "abc",   "status": "sucess",   "amount": "1500",   "total": "10" }</pre>

# Day 2 planing the technical foundation



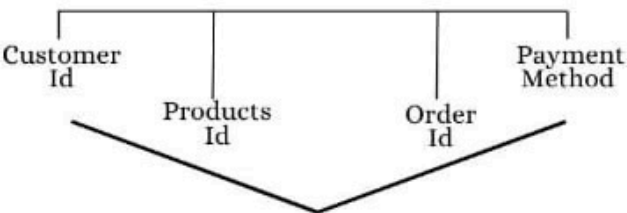
## KEY WORKFLOW



## PRODUCTS

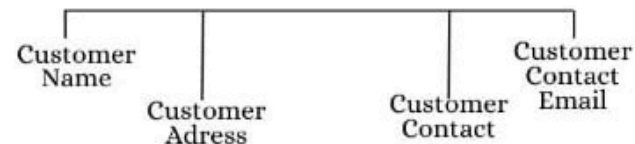


## ADD TO CART



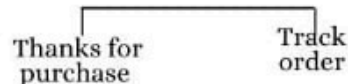
## CHECKOUT PAGES

### CUSTOMER DETAILS



## BACK TO PRODUCT PAGE

## CONFIRM ORDER



## PRODUCTS DETAIL

