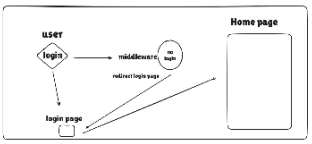
Marketplace Technical Foundation

Genral E-commerce Website



Step 1: Define Technical Requirements

Frontend UI/UX Design

Home Page: Featured products, categories, search bar.
Product Listing: Grid list view of products.
Product Details: Price, reviews, description, "Add to Cart" button.
Cart Page: Selected products, total amount, "Proceed to Checkout" button.
Checkout Page: Address, payment options (Stripe, PayPal), order summary.
Order Confirmation: "Thank You" message, order tracking link.

2. Backend (Sanity CMS)

Step 1: Sanity CMS create Account
Sanity CLI insall in your project.

Step 2: Schema Design Karein

Sanity define a entities :

Product Schema: Name, price, image, stock, description.
Order Schema: Customer details, purchased items, total amount.
Customer Schema: Name, email, address, previous orders.

Step 3: Data Fetching Setup :

fetch data from sanity to display products on frontend ..

use sanity api to show :
orders , customers , shipement tracking , payment getway

3. Third-Party API Integration

Third-party API get and use shipment tracking, payment processing, and backend functionalities .

Step 1: Payment Gateway Integrate Karein

use Stripe or paypal for payment process..
Create Account and gentrate api keys

Step 2: Shipment Tracking API Integrate

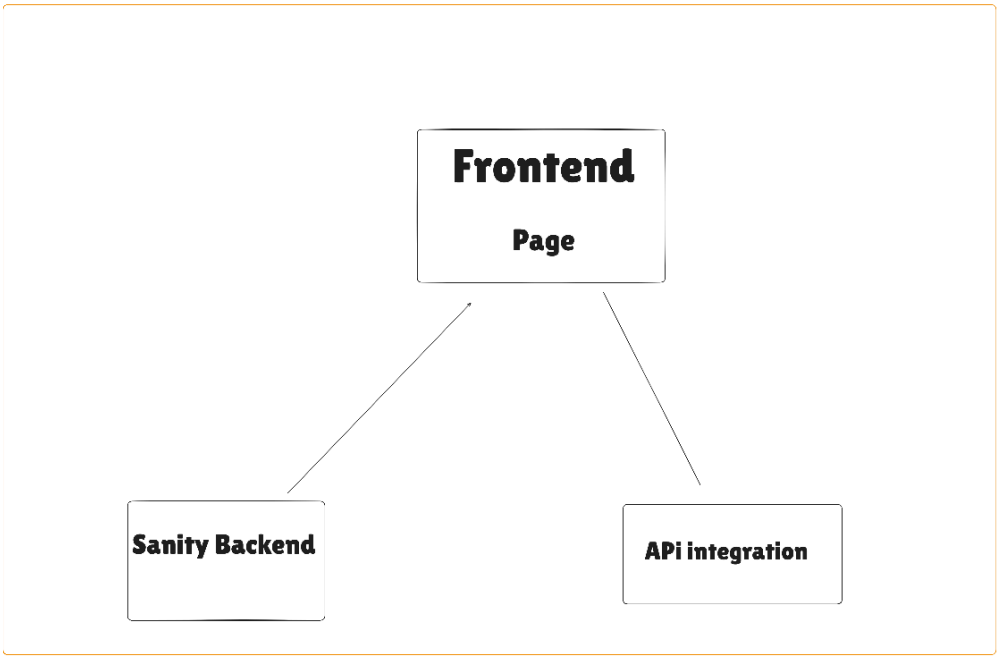
Use Shippo, CasyPost, or FedEx API,Shipping for user Watch the order status

Step 3: Product Data API Setup :

make a schema in the sanity and get api to setup your products .

Api Requirements

End Point	Methods	purpose	Response Example
/Product	Get	Fetch products	Id : 123 , image:url , stock:10,etc
/Orders	Post	create order	order Id: 123 , status: In Transit
/Shipment	Get	Get order shipment status	order id:213 , status : succes

2. Design System Architecture

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