

## Hackathon Day 2 Activities: Transitioning To Technical Planning

### a) Frontend Requirements

Use Nextjs for user interface

Responsive design using tools (Tailwind CSS)

### CREATE PAGES

Home Page:

product categories or featured products,

**PRODUCT LISTING PAGE:**

List products categories or featured products.

**PRODUCT DETAILS PAGE:**

Show specific product information

**CART AND CHECKOUT PAGES:**

Allow users to add products to the cart and proceed with their orders,

**ORDER CONFIRMATION PAGE;** display the order summary

### b) Backend

use sanity CMS

Define Schemas

**PRODUCTS**

(

Name: string

Price: number

Description: string

Images:

Categories:

)

CUSTOMER

(

Name:

Email:

Address:

Orders:

)

ORDERS

(

Orders item:

Customers details,

Total amount:

)

C)THIRD PARTY APIS

Integrate necessary APIs:

SHIPMENTS TRACKING: APIs like Easy post or shippo

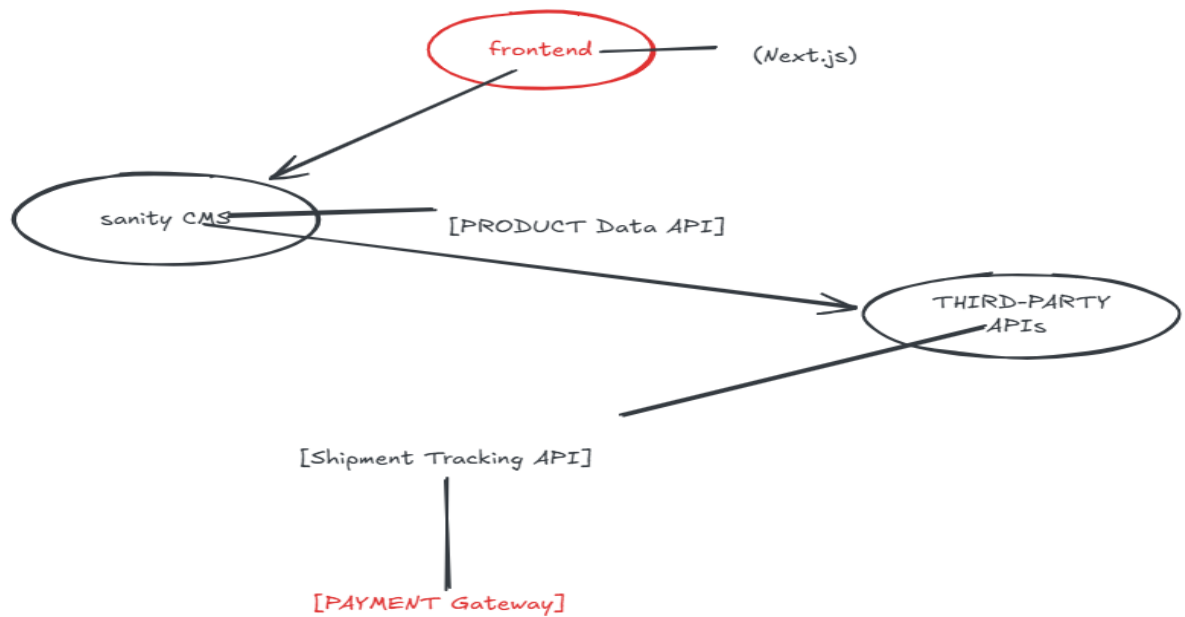
PAYMENT GATEWAY: use APIs like Strips or PayPal

Ensure the Apls provide necessary data like tracking status and payment confirmation.

## 2.Design System Architecture

Frontend (Nextjs)\_\_\_ Fetch data from sanity CMS via Product Data API.

Use Shipment Tracking API and Payment Gateway API for backend integration.



### 3.DATA FLOW

1.User Interaction: user visit the marketplace and brokers products.

2.Backend Communication: The frontend sends a request to the Products Data API to fetch products details

3.Transaction: When a user places an order payments details are sent to the payments gateway API

Shipment information is updated via the Shipment Tracking Apl.

### DATA FLOW DIAGRAM

