

Date: 16-1-2025 Hackathon
Market Place Builder
Foundation Presentation

Day: 2

Introduction

This document outlines the technical foundation of your market place API requirement and Sanity CMS Schema.

1. Define technical requirements:-

Frontend Requirements

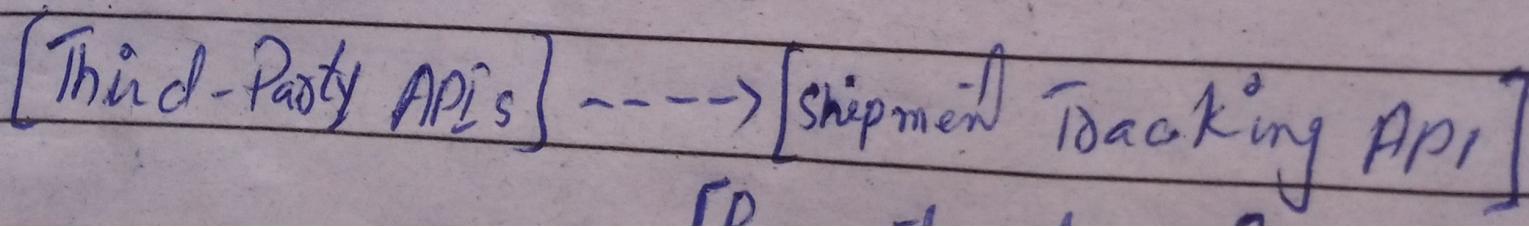
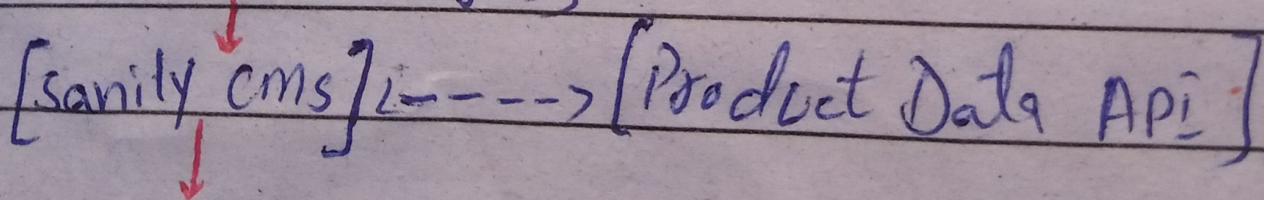
- Responsive Design.
- Ensure the marketplace work seamlessly on mobile and desktop device.

Essential Pages

- Home
- Menu
- Blog
- about
- Contact
- Sing in

2 Design System Architecture.

High-level Architecture Diagram [Frontend (Next.js)]



Workflows

1. User Bookings
 - User visits
 - Frontend
 - Sanity
 - Product
2. Order Processing
 - User
 - Order
 - CMS
 - Payment
 - Shipping
 - Order tracking
 - Returns

BACKEND REQUIREMENTS (SANITY CMS)

- Use Sanity CMS for managing:
 - Product data
 - Customer details
 - Order details.

Design Schemas in Sanity to align w/

- Product structure (eg name, price, stock)
- Order structure (eg customer info, product c, payment status)

Third Party API's

- Shipment Tracking API:

- Fetch and display order shipment status in real-time

- Payment Gateway API:

- Securely process payment and return confirmations to the system.

5 Sanity CMS Schemas

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* Order Schema

```
export default {
  name: 'order',
  type: 'document',
  fields: [
    {
      name: 'Customer',
      type: 'Customer'
    },
    {
      name: 'products',
      type: 'array',
      of: [
        {
          type: 'reference',
          to: [
            {
              type: 'Product'
            }
          ]
        }
      ]
    },
    {
      name: 'total Amount',
      type: 'number',
      title: 'Products'
    },
    {
      name: 'status',
      type: 'String',
      title: 'Order Status'
    }
  ]
}
```

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Workflow Description

1. User Browsing Product:

- User visits the frontend (next.js)
- Frontend request Product data via the Sanity CMS API
- Product are dynamically displayed to the user.

2. Order Placement

- User adds Products to the cart and proceeds to Checkout.
- Order details are sent to the ~~earlier~~ Sanity CMS for record keeping
- Payment is processed through the Payment Gateway.

Shipment Packing

- Order status is updated using the Shipment tracking API
- Real time tracking information displayed to the user.

LAN API REQUIREMENTS

API Endpoints

Endpoints	Method	Description	Response
Shope loaders	GET	Fetch all Product details Create a new Order.	{ id, name, Price, Stock, im { order id, Status, Suc
shipmen ymen	POST	fetch Order Shipment Status Payment Method	{ shipment, Status, deliv di
duct/pd	POST	Fetch Single Product details	{ id, name, Price Stock image
	GET		

