

MARKETPLACE TECHNICAL

FOUNDATION - BISMILLAH

HACKATHON - 03



”لِلّٰهِ مَا فِي السَّمٰوٰتِ وَالْاَرْضِ اِنَّ اللّٰهَ  
هُوَ الْغَنِيُّ الْحَمِيْدُ ﴿٢٧﴾  
(سورة لقمان)

Name: QURRAT-UL-AIN

Roll No: 00210683

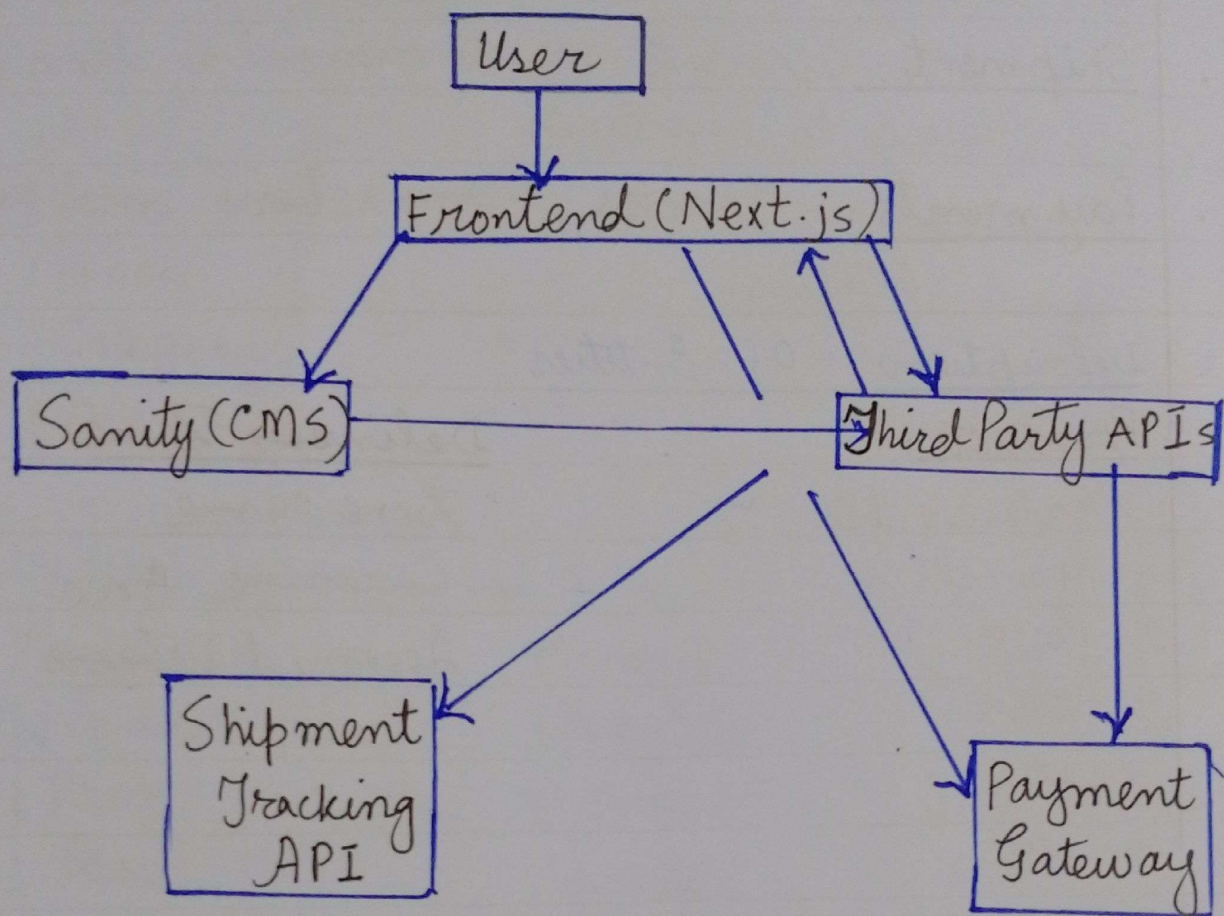
Shift : Sunday 2 To 5 PM.

Date: 16-Jan-2025  
Day - 02





## Planning The Technical Foundation





Date 16-Jan-25

# Marketplace Technical Foundation General E-Commerce Platform Workflow

## Planning The Technical Foundation

### 1. Home Page:

- Displays featured categories and popular products of Nike.
- It includes a prominent search bar for easy navigation

### 2. Product Browsing:

- Users can explore products by categories or search results
- Filters and sorting options enhance the browsing experience

### 3. Product Detail

- Detailed information about the product
- Options to select quantity, size, color etc.

### 4. Add To Cart

- Add to cart option for user.

### 5. Check out:-

- User can choose shipping methods.
- Enter shipping and billing information



## 2. Design System Architecture

[Frontend(Next.js)]

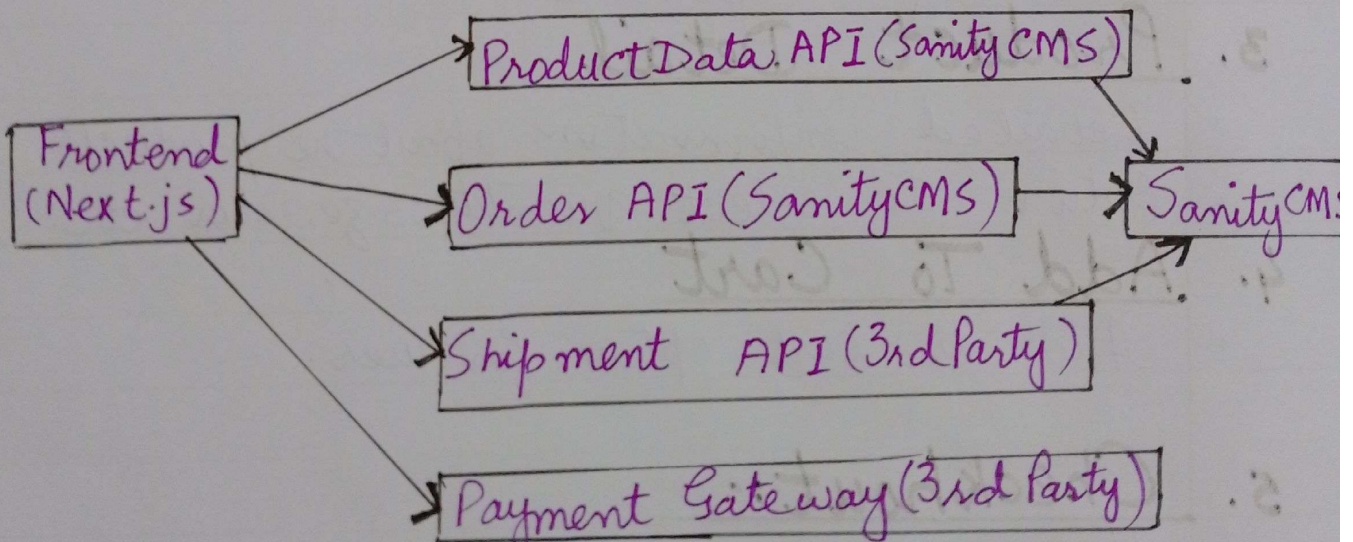
Sanity CMS

[Product Data API]

Third-Party API

[Shipment Tracking API]

Payment Gateway



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Date 16-Jan-25

## 6. Payment :

- Support multiple payment methods (credit/debit cards, digital wallets etc.)

## 7. Order Confirmation :

- Display order summary and confirmation number.

## 8. Shipment :

- Order processing and dispatch
- Users receive shipment tracking details.

## 9. Delivery :

- Product delivered to the user's specified address.
- Option for users to confirm receipt and provide feedback.

API Requirements

Login / Registration

Post api/register/login

Fetch Products

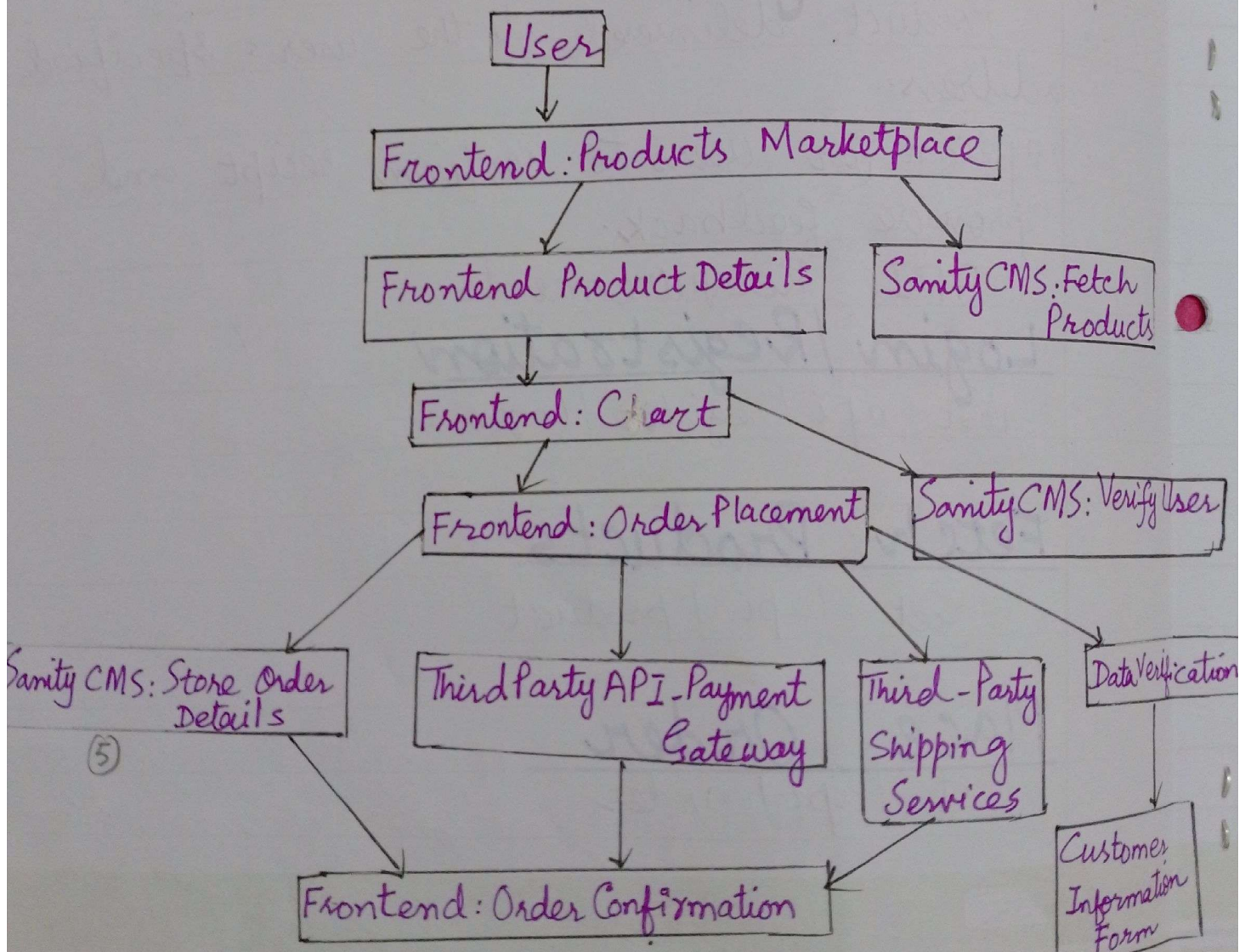
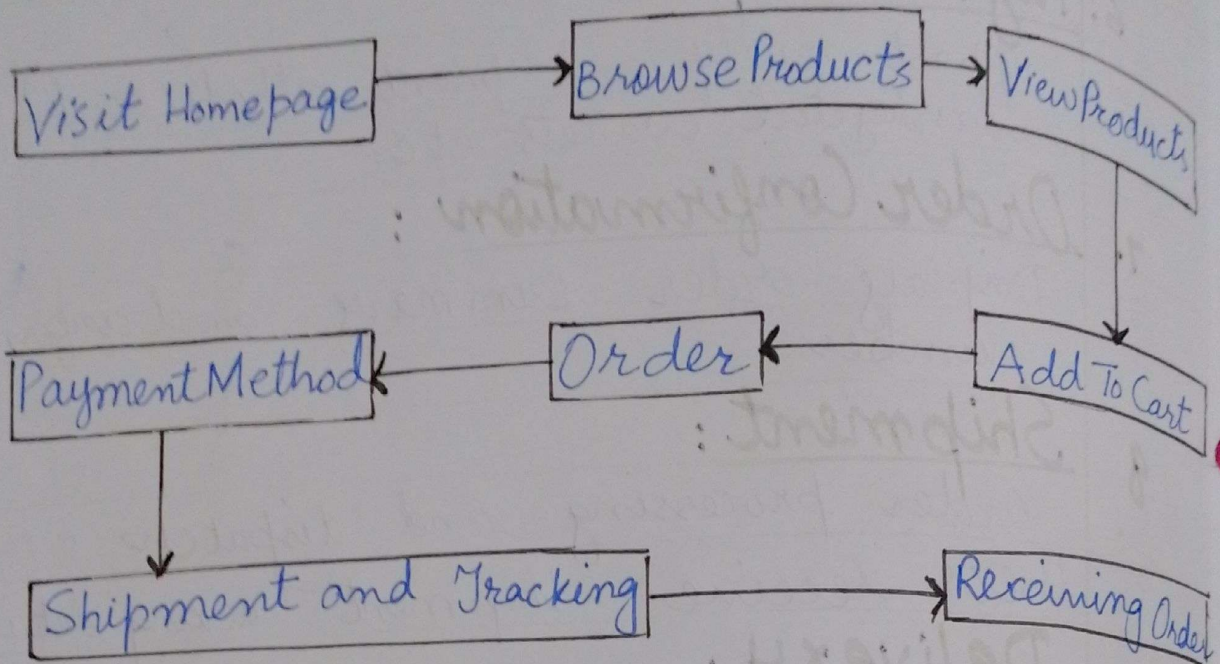
Get /api/product

Place Order

Post /api/order



# Key Workflow Diagram





Date 16-Jan-25

Add To Cart

Post | api | Cart

Shipment Tracking

Get | api | Shipment [Tracking Number]