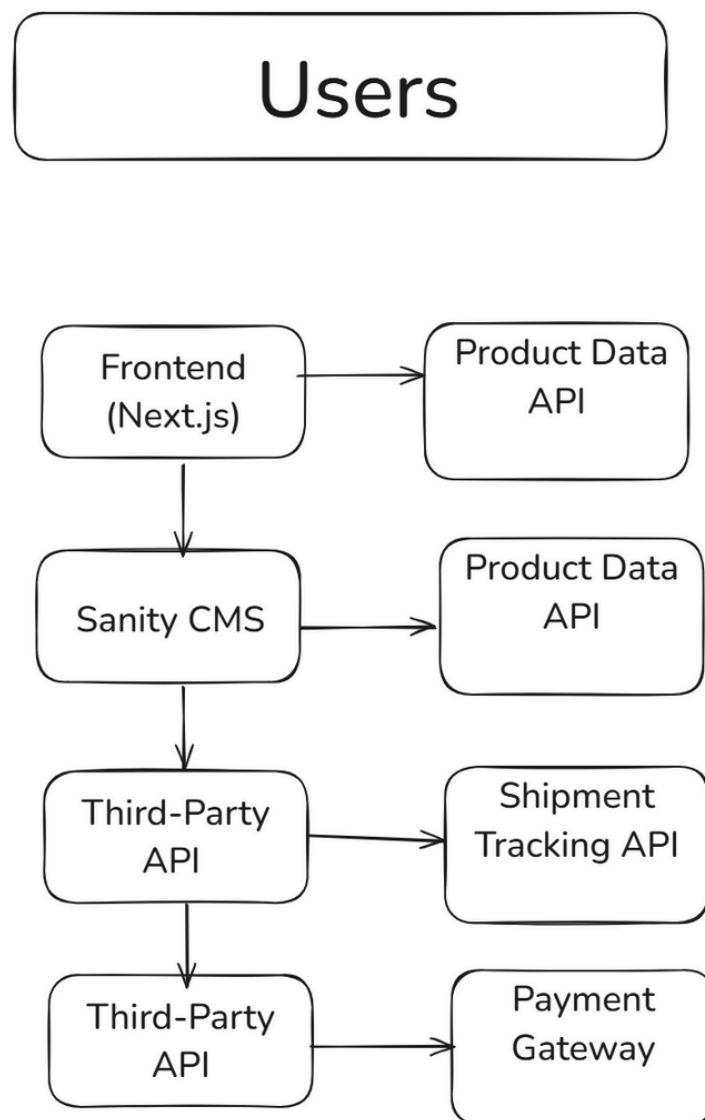


Planning the Technical Foundation

"Marketplace Technical Foundation - [Bandage]"

Component Roles

- **Frontend:** Responsible for user interaction and UI rendering.
- **Sanity CMS:** Responsible for data storage and management.
- **Third-Party APIs:** Responsible for payment gateway, shipment tracking, and other backend services.



This diagram illustrates the system architecture, showcasing the interactions between the frontend, Sanity CMS, and third-party APIs. The frontend, built using Next.js, communicates with the Product

Data API to retrieve product information. The Sanity CMS serves as the central data repository, providing access to product data through the Product Data API. Additionally, the system integrates with third-party APIs for shipment tracking and payment processing.

Key Workflows

1. User Registration

- . Data stored in Sanity CMS
- . Confirmation sent to user

2. Product Browsing

- . User views product categories
- . Sanity API fetches data
- . Products displayed on frontend

3. Order Placement

- . User adds items to cart
- . Proceeds to checkout
- . Order details saved in Sanity CMS
- . Payment processed through third-party API

4. Shipment Tracking

- . Order status updates fetched via third-party API
- . Displayed to user on frontend

API Requirements

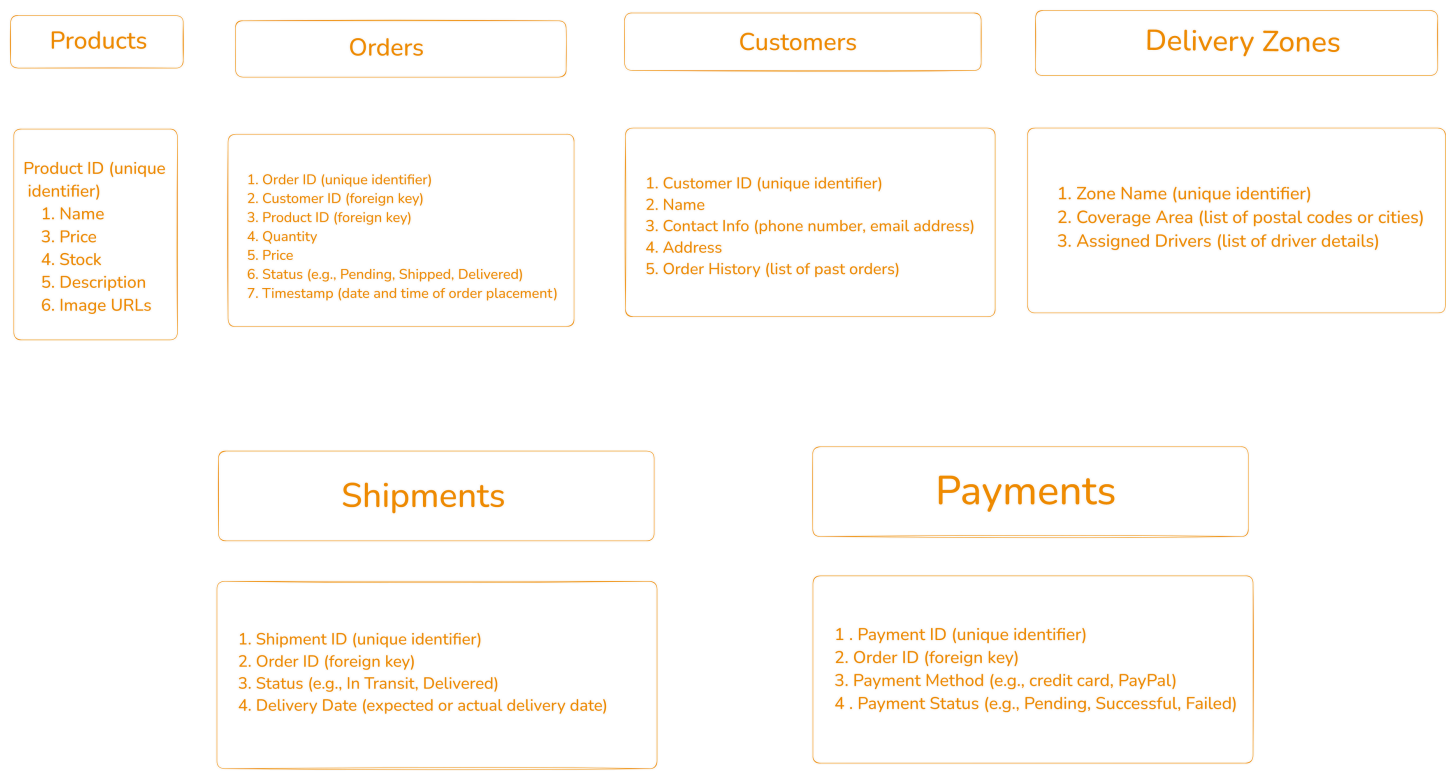
Sanity CMS API

- Product data API
- Customer data API
- Order data API

Third-Party APIs

- Payment gateway API
- Shipment tracking API

Data Schema



Technical Roadmap

Step 1: Setup Sanity CMS

- Create a new Sanity CMS project
- Configure schemas for products, customers, and orders

Step 2: Develop Frontend

- Build the frontend using Next.js
- Integrate with Sanity CMS API

Step 3: Integrate Third-Party APIs

- *Integrate payment gateway API*

- *Integrate shipment tracking API*

Step 4: Test and Deploy

- Test the entire system

- *Deploy to production*