

Technical Documentation

1. Define Technical Requirements

I. Frontend (Next.js & Tailwind CSS)

- Provides a responsive and interactive interface which contains Home, Product page, Product Detail Page, Cart Page, Checkout Page, Reservation Page, Order Confirmation Page.
- Fetches menu data from Sanity CMS
- Handles user actions like browsing, adding items to the cart, and placing orders.

II. Backend (Sanity CMS)

- Sanity is used to manage products, customers and order data.
- Stores and organizes menu items, customer data, and order details.
- Updates order status based on information from the third-party delivery API.

III. APIs

- Facilitate communication between the front-end, back-end, and third-party services.
- **Product Data API:** Delivers product information to the front-end.
- **Order API:** Handles order creation and management.
- **Delivery Tracking API:** Provides real-time order tracking updates.

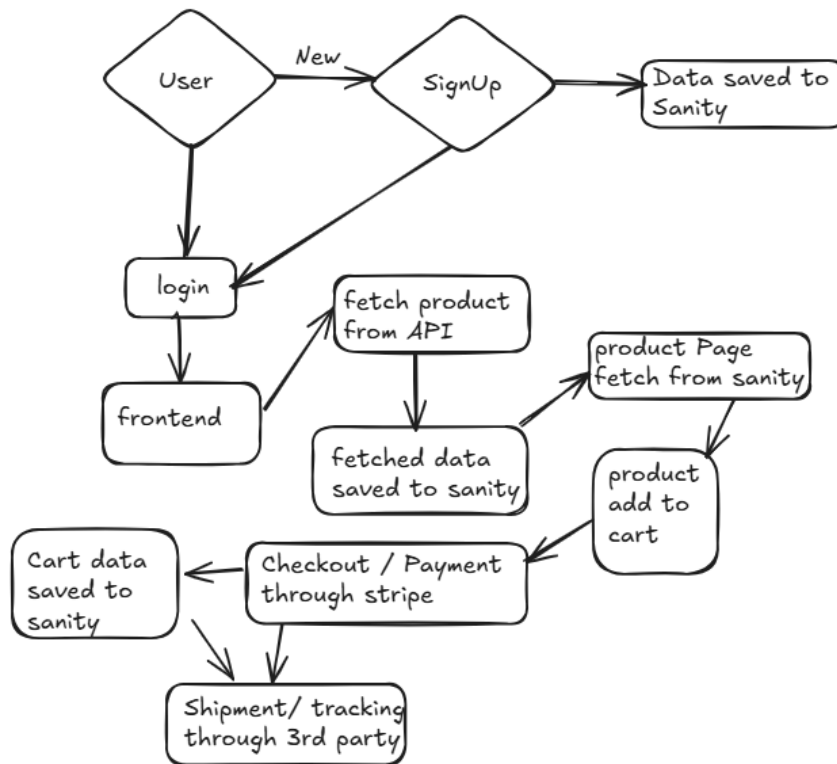
IV. Payment Gateway

- Manages secure payment transactions.
- Processes customer payments during checkout.
- Confirms successful transactions and updates the order status in Sanity CMS.

V. Third-Party Delivery API

- Manages shipment tracking and delivery logistics.
- Sends real-time delivery updates to the backend.
- Reflects updated order status on the front-end for customer tracking.

2. Design System Architecture:



Key Workflows:

User signs up or logs in. ———> Customer data is stored in Sanity CMS. ———> User browses the menu fetched from Sanity CMS. ———> User adds items to the cart and proceeds to checkout. ———> Payment is processed through the Payment Gateway. ———> Order details are saved in Sanity CMS. ———> Order status is updated via the Delivery Tracking API. ———> The user views real-time delivery status on the website.

4. Technical Roadmap

Day 01: Basic Understanding and Goals to Build the Project

Day 02: Technical Planning

Day 03: Build UI/UX of the Project

Day 04: Integrate API for fetching the product data and upload it to the Sanity

Day 05: Fetch the product data from Sanity and Use it in Front-end (Next.js) Project

Day 06: Add all the functionality of Cart and Payment. And Upload Order details to Sanity.

Day 07: Add Shipengine API and Google Map API for Real-time Tracking.

Day 08: Deploy The Project.