

E-Commerce Shopping Website Documentation

Date: 16th January 2025

Day 2 Task

Define Technical Requirements

1. User visits the website.
2. User signs up.
3. Frontend sends the data to the backend API.

Technology Stack

- **Frontend:** Next.js
- **Backend:** Sanity CMS

Sanity CMS as Backend

- Utilize Sanity CMS to manage the product catalog, customer details, and order records.
- Sanity will function as the primary database for the marketplace.
- Focus on designing schemas in Sanity to align with business goals and enhance scalability.

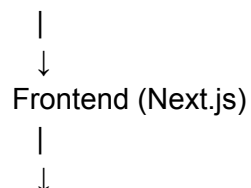
Third-Party APIs

1. Integrate APIs for:
 - Shipment tracking
 - Payment gateway
 - Other essential backend services
2. Ensure APIs provide the necessary data to maintain smooth frontend functionality.

System Architecture Overview

Diagram Representation

Product ID → Title → Description → Image → Stock



Sanity CMS → Product Data



Third-Party API → Shipment Tracking API



Payment Gateway → Shipment ID → Order ID → Status

Flow Chart

Customer Actions

1. Login → Yes → Visit website
2. Browse and view products
3. Add items to the cart
4. Place an order
5. Make payment
6. Receive delivery at home
7. Logout

Admin Actions

1. Add categories
2. Add products
3. Manage orders
4. Process and manage bills

Workflow Diagram - Visual Representation

1. Visit the homepage → Browse products → View product details
2. Add product to cart → Proceed to checkout
3. Complete profile setup and payment details
4. Order confirmation → Track shipment
5. Receive delivery at home

End of Documentation