

Technical Requirements

Frontend Requirements

I will build pages to enhance the user experience:

1. **Home Page:** Showcase featured products, promotions, and categories.
2. **Product Listing Page:** Display products with filters (price, size, category, color).
3. **Product Details Page:** Show product images, price, description, sizes, and an "Add to Cart" button.
4. **Cart Page:** Summarize selected items with total price and quantity adjustments.
5. **Checkout Page:** Allow users to enter shipping details and confirm payments.

Backend Requirements

1. I will use **Sanity CMS** for managing:
 - Products: Name, price, description, stock, tags, images.
 - Orders: Customer information, product details, order status.
 - Customers: Name, email, address, and purchase history.
2. I will integrate APIs for:
 - **Payment Gateway:** Process secure payments.
 - **Shipment Tracking:** Update order delivery status.

Technical Documentation

System Architecture

The system connects:

1. **Frontend (Next.js):** User interface and product display.
2. **Backend (Sanity CMS):** Data management for products, orders, and customers.
3. **Third-party APIs:** Secure payment processing and order tracking.

Workflows

Example: Order Placement

1. User selects a product and adds it to the cart.
2. User enters delivery details and makes a payment.
3. Sanity CMS stores the order details.
4. Shipment tracking API updates delivery status.