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

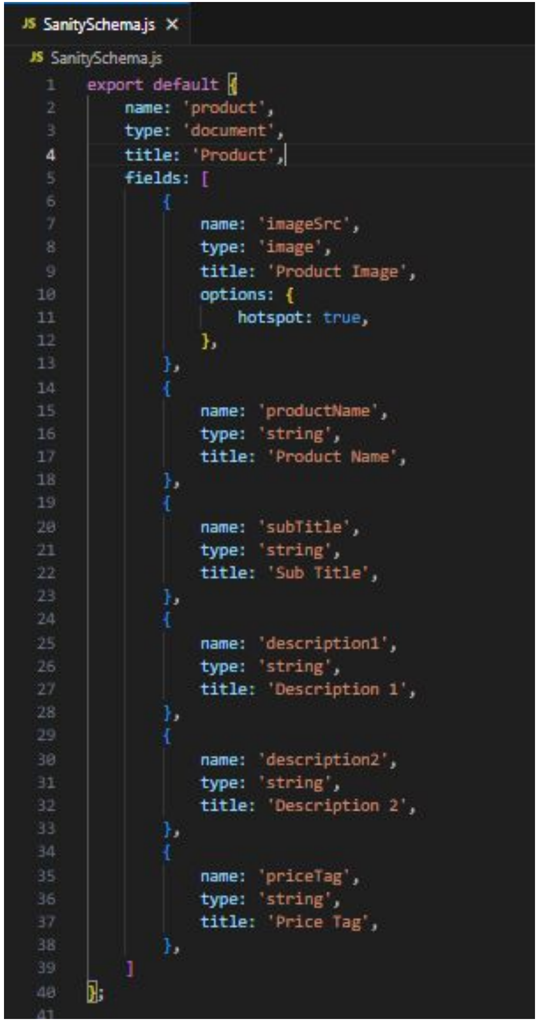
Example: Order Placement

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.

Plan APIs

APIs will handle communication between the frontend and backend. Here's a list of essential endpoints:

Endpoint	Method	Purpose	Example Response
/products	GET	Fetch all products	{ "id": 1, "name": "Air Max", "price": 150 }
/products/:id	GET	Fetch a single product	{ "id": 1, "name": "Air Max", "price": 150 }
/cart	POST	Add a product to the cart	{ "message": "Product added to cart" }
/checkout	POST	Submit an order	{ "orderId": 12345, "status": "Confirmed" }
/orders/:id	GET	Retrieve order status	{ "status": "Shipped", "deliveryDate": "..." }



```javascript
export default {
    name: 'product',
    type: 'document',
    title: 'Product',
    fields: [
        {
            name: 'imageSrc',
            type: 'image',
            title: 'Product Image',
            options: {
                hotspot: true,
            },
        },
        {
            name: 'productName',
            type: 'string',
            title: 'Product Name',
        },
        {
            name: 'subTitle',
            type: 'string',
            title: 'Sub Title',
        },
        {
            name: 'description1',
            type: 'string',
            title: 'Description 1',
        },
        {
            name: 'description2',
            type: 'string',
            title: 'Description 2',
        },
        {
            name: 'priceTag',
            type: 'string',
            title: 'Price Tag',
        },
    ]
};
```