

Technical Roadmap

Frontend Setup

Framework: Use Next.js to build a responsive and dynamic user interface optimized for performance and SEO.

Styling: Integrate Tailwind CSS for streamlined and efficient styling, ensuring a modern and cohesive design across the application.

Key Features: Implement reusable components for the homepage, product listings, product details, cart, and checkout pages.

Backend and CMS Setup

Content Management: Set up Sanity CMS to manage key entities such as:

- Products: Name, description, price, stock, category, and images.
- Orders: Customer details, purchased items, total amount, and status.
- Customers: Customer profiles and order history.

Data Management: Configure API endpoints to enable seamless data exchange between the frontend and backend.

API Integration

Payment Gateway:

- Integrate a secure third-party payment API for processing transactions.
- Support multiple payment methods for user convenience.

Shipment Tracking:

- Connect a shipment API to provide real-time order tracking.
- Display the status to users on their order details page.

Testing

Product Workflows: Test user journeys such as browsing products, adding items to the cart, and completing the checkout process.

Payment Processing: Verify the accuracy of payment gateway integration, including handling failed or partial payments.

Order Management: Ensure order data is correctly saved to Sanity CMS and reflected in user accounts.

Shipment Updates: Validate the shipment API's real-time tracking capabilities.