Marketplace Technical Foundation ShoeVibe

Frontend Requirements:

- User Interface: Easy-to-navigate interface for browsing products.
- Responsiveness: Mobile and desktop-friendly design.
- Pages: Home, Product Listing, Product Details, Cart, Checkout, and Order Confirmation.

Backend with Sanity CMS:

- Product Data Management: Use Sanity CMS to manage product details, customer information, and order records.
- Schema Design: Align Sanity schema with business needs from Day 1 (e.g., products, orders).

Third-Party APIs

- Shipment Tracking:
- Integrate the shipment API as taught in your course for real-time order tracking.
- Payment Gateway:
- Integrate Stripe for secure transaction processing. For users in Pakistan, I will integrate JazzCash and other local payment services to cater to the regional market.

Plan API Requirements

1. Fetch All Products

- Endpoint Name: /api/products
- Method: GET
- Description: Fetch all available products from Sanity

2. Create a New Order

- Endpoint Name: /api/orders
- Method: POST
- Description: Create a new order in Sanity

3.Track Shipment Status

- Endpoint Name: /api/shipment
- Method: GET
- Description: Track order status using a third-party shipment API.

Key Workflows

User Browses Products:

- User lands on the homepage.
- Products fetched from Sanity CMS (/products endpoint).
- Products displayed with filtering and sorting options.

User Adds Product to Cart:

- User clicks 'Add to Cart' button.
- Product added to local cart state.
- Cart data persisted in sanity.

User Places Order:

- User proceeds to checkout.
- Payment processed through Stripe or JazzCash.
- Order confirmation sent and shipment tracking initiated

Category-Specific Instructions

- Product browsing, cart management, and secure order placement.
- Real-time stock updates with Sanity CMS.
- Payment integrations with Stripe and JazzCash

Technical Roadmap

- Phase 1: Setup Next.js with Sanity CMS and product listing.
- Phase 2: Integrate Stripe and JazzCash payment gateways.
- Phase 3: Implement shipment tracking with Shipment API.
- Phase 4: Deploy on Vercel and test end-to-end functionality.