

OutfitPlus - Day 2 Task: Planning the Technical Foundation

1. Technical Requirements

Frontend Requirements

- **Framework:** Next.js (Supports Server-Side Rendering & Static Site Generation)
- **Styling:** Tailwind CSS (Utility-first, responsive design)
- **Core Pages:**
 - Home
 - Product Listing
 - Product Details
 - Cart
 - Checkout
 - Order Confirmation

Backend Requirements

- **Sanity CMS** (Product & Order Management)
- **Third-Party API Integration:**
 - Payment Gateway
 - Shipment Tracking

2. System Architecture Design

The system is designed for efficiency and scalability, integrating frontend, backend, and third-party services seamlessly.

Architecture Overview

User (Frontend)

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[Next.js (Client)] ---> Fetches product data ---> [Sanity CMS]

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Integrates Payment & Shipment Tracking APIs

Components Breakdown

- **Frontend (Next.js):** Fetches product data, renders pages, and manages UI interactions.
- **Backend (Sanity CMS):** Stores and manages products, orders, and customer data.
- **Third-Party Services:** Handles secure payment processing and shipment tracking.

3. API Requirements

API Endpoint	Method	Functionality
/products	GET	Fetch all products
/products/:id	GET	Fetch specific product details
/orders	POST	Submit new order
/payment	POST	Process payment transactions
/order/:id/shipment	GET	Track order shipment status

4. Technical Documentation

The **README** file will include:

- **System Overview**
- **API Documentation**
- **Setup & Installation Guide**

5. Next Steps

- ✓ Review & Refine Architecture
- ✓ Prepare Development Roadmap
- ✓ Finalize API Endpoints & Test Integrations