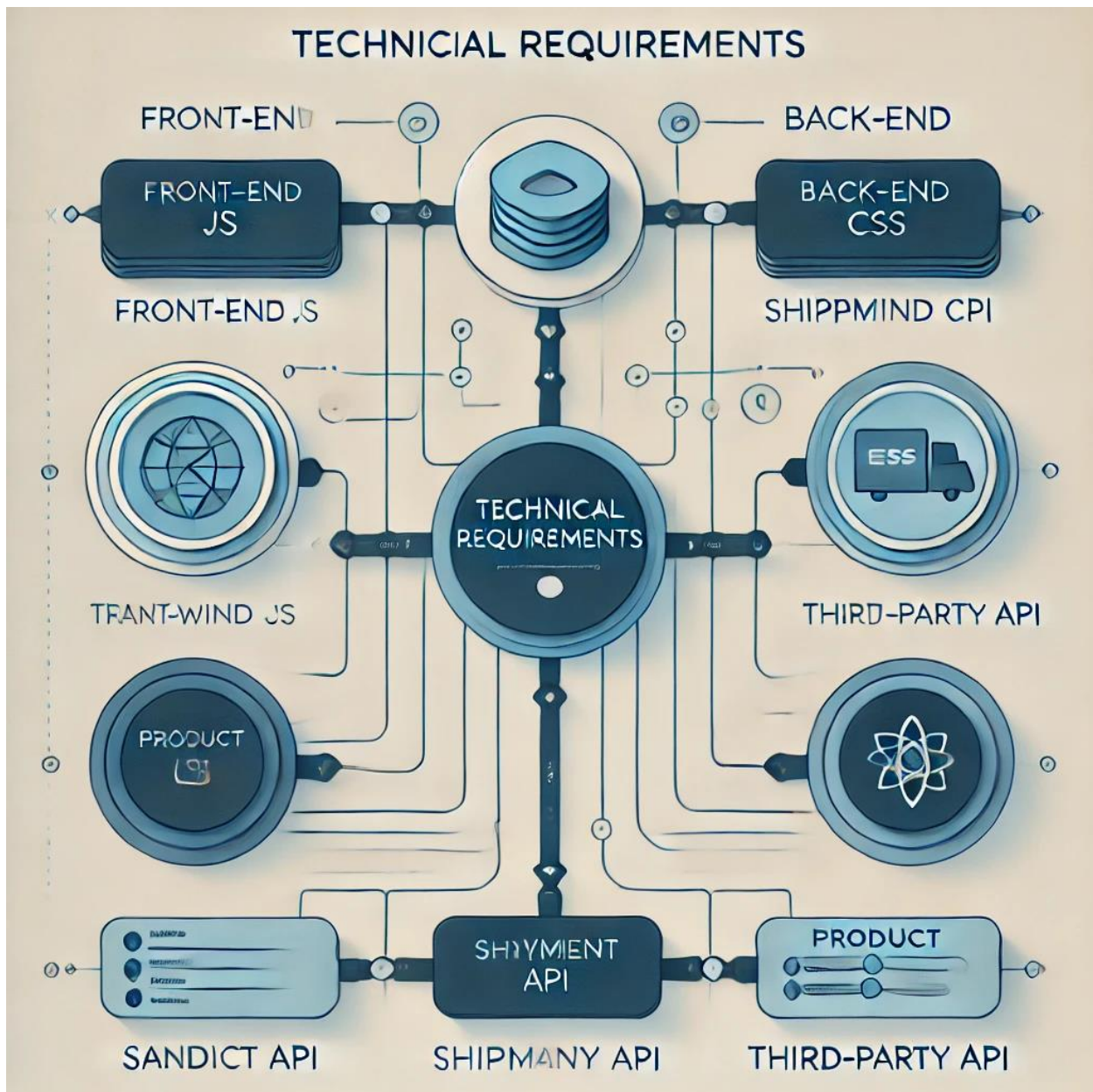


## Day 2 Activities: Transitioning to Technical Planning

For e-commerce website Figma Template:

<https://figma4template.vercel.app/>

### 1. Define Technical Requirements:-



## Frontend Requirements (NEXT.JS + TAILWIND CSS)

### User-Friendly Interface

- Intuitive and visually appealing design to enhance user experience.
- Features like:
  - Search bar for easy product discovery.
  - Category filters for refining searches.

### Responsive Design

- **Flexible layouts** and optimized images to improve load time and usability.
- Use libraries like **Tailwind CSS** for responsiveness.

### Purpose:

- SSR (Server-Side Rendering) for better SEO and performance.
- Dynamic routing for pages like products, categories, and user profiles.

### Pages:

- 1) Landing Page with all its product components.
- 2) Shop Cart
- 3) Shop List
- 4) Shop Grid Default
- 5) Order Complete
- 6) Products
- 7) Product Details
- 8) Check out
- 9) Shipping

## Sanity CMS as Backend:

Sanity CMS provides a powerful and flexible solution for managing product data, customer details, and order records. Here's how you can leverage it for your marketplace:

### Key Features

Centralized Content Management:

Real-time Updates:

Scalable Schemas:

### API:

Use Sanity's GraphQL and GROQ queries to fetch data efficiently.

- Product API

- Shipment API

- Payment API

## Third-Party APIs:

Integrating third-party APIs ensures that your marketplace has the necessary functionality for shipment tracking, payments, and other backend services

### **1. Shipment Tracking APIs**

#### Integration Features:

- Fetch tracking details using an order's shipment ID.
- Provide real-time updates on delivery status.
- Show estimated delivery dates on the frontend.

### **2. Payment Gateway APIs**

To enable secure and seamless transactions.

#### Features:

- Support for various payment methods (credit cards, wallets, UPI, etc.).
- Payment status updates for the order (e.g., Pending, Paid, Failed).
- Webhooks for real-time updates on payment success/failure.

## **System Architecture OverView:**

**Diagram:**

## **2: Design System Architecture**

- [Frontend (Next.js)] -----> [Sanity CMS]
- |||| [Payment Gateway] [Third-Party APIs]
- || [User Notifications] <-> [Shipment Tracking]

## **3: Plan API Requirements:**

**APIEndpoints.xlsx**

**WORK FLOW DIAGRAM:**

