### Day 2: Planning the Technical Foundation Model

#### **Goals**

* Transition from business planning to technical preparation.
* Develop a high-level technical plan including system architecture, workflows, and API requirements.
* Align technical solutions with business objectives for a scalable and efficient implementation.

#### **Key Activities**

1. **Define Technical Requirements**
   1. **Frontend**:
      1. Design a user-friendly and responsive interface.
      2. Pages: Home, Product Listing, Details, Cart, Checkout, and Order Confirmation.
   2. **Backend (Sanity CMS)**:
      1. Define schemas for products, orders, and customer data.
      2. Use Sanity CMS for managing content.
   3. **Third-Party APIs**:
      1. Integrate APIs for shipment tracking, payment processing, etc.
2. **Design System Architecture**
   1. Draft a diagram showcasing the interaction between components like:
      1. Frontend (e.g., Next.js)
      2. Backend (Sanity CMS)
      3. APIs (e.g., payment gateway, shipment tracking)
   2. Detail workflows for key user actions:
      1. Product browsing
      2. Order placement
      3. Shipment tracking
3. **Plan API Requirements**
   1. Define endpoints for CRUD operations, e.g.:
      1. /products (GET): Fetch product details.
      2. /orders (POST): Create an order.
      3. /shipment (GET): Track shipment status.

# Conclusion:

This plan provides a robust roadmap for establishing the technical foundation of my marketplace, ensuring alignment with business goals while leveraging modern tools like Sanity CMS and third-party APIs. By focusing on clear workflows, detailed API requirements, and effective collaboration, this approach prepares me for successful implementation in subsequent phases. The outputs from Day 2 will act as a professional reference for future endeavors, showcasing my technical expertise and planning capabilities.