DAY-2 Market Place Technical Foundation

Workflow Overview:

Frontend Setup:

- Use Next.js for fast server-side rendering and better SEO.
- Style the platform with Tailwind CSS to make it look great and work well on any device.
- Ensure it loads quickly and works on all major browsers.

Data Management:

Set up Sanity CMS for flexible and efficient content management:

- **Product Catalog:** Includes details like ID, name, price, stock, categories, and images.
- **Customer Information:** Store details such as name, email, and address.
- **Order History:** Keep track of purchased items, timestamps, and payment status.
- **Shipping Data:** Store and expand fields as needed, including reviews.

Product Browsing:

- Users visit the homepage and explore products by category.
- Product information is dynamically fetched from Sanity CMS.
- Users see detailed product pages with images, descriptions, prices, availability, and reviews.

Placing an Order:

1. Users add items to their cart and view a live cart summary.
2. Logged-in users can place orders. If not logged in, the order process will fail.
3. Orders are finalized through a secure checkout.
4. Order data (product details, customer info, Payment) is saved in Sanity CMS.
5. Payments are processed via:
   - **International**: Payooner, stripe, wise
   - **Local**: Banks, Nayapay, easypaisa.

Shipment Tracking Workflow:

- Each order gets a unique shipment ID upon confirmation.
- Shipment tracking is powered by a third-party API.

- Customers can monitor shipment progress directly from their order summary page.

Sanity Schema Definition:

Product Fields:

- ID, Name, Description, Price, Category, Colors, Stock, Images, Reviews.

Key Outcomes:

- Comprehensive technical documentation and architecture diagrams.
- Scalable Sanity CMS setup for easy management and future growth.
- Well-defined API endpoints for smooth interaction between frontend and backend.
- Focus on version control, peer feedback, and continuous improvements.