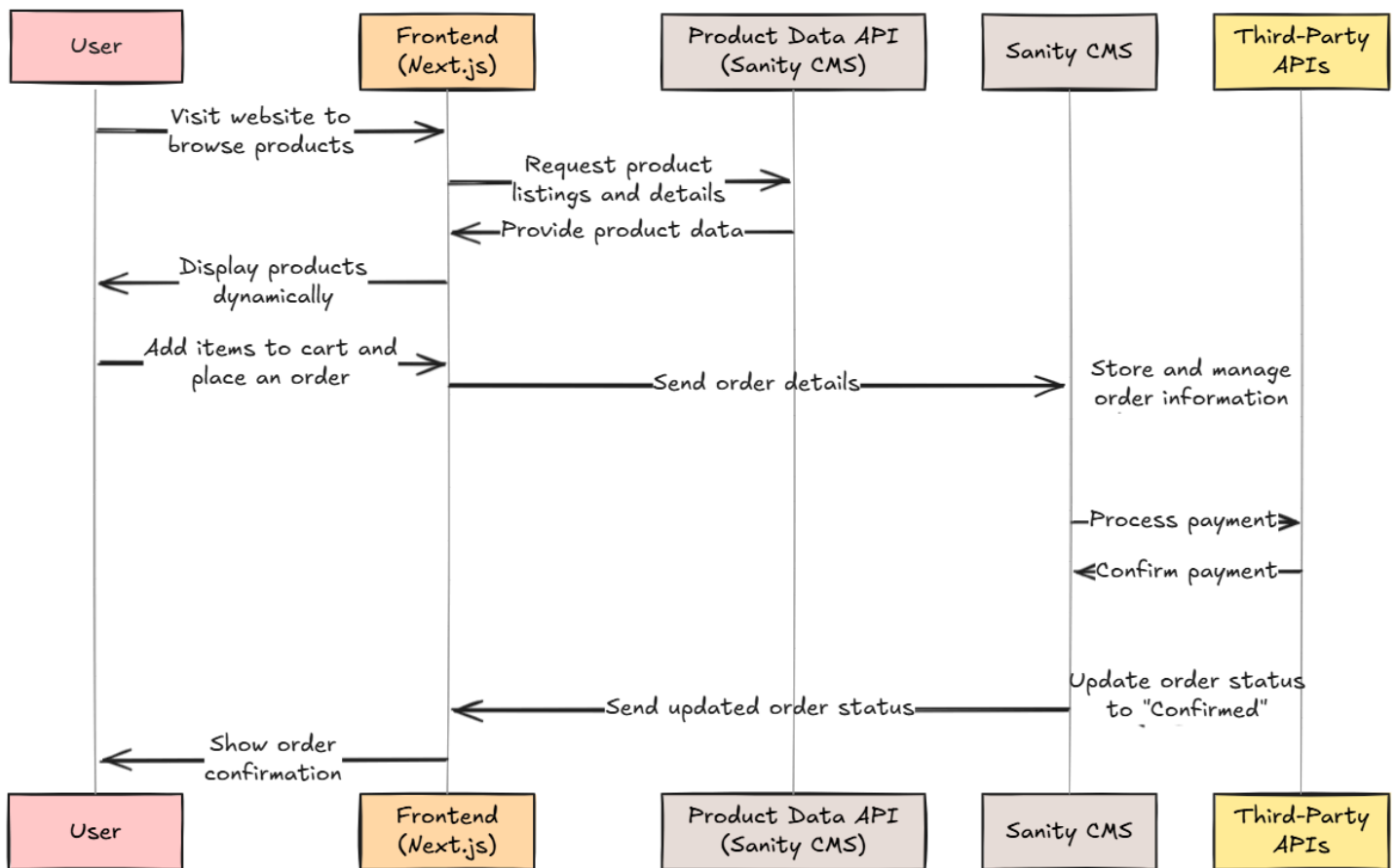


Architecture Diagram



System Architecture Flow

Frontend (Next.js)

- The frontend (built in Next.js) interacts with multiple components, primarily focusing on user interactions, displaying products, and collecting orders.

Backend (Sanity CMS)

- Product Data API: Sanity CMS powers your product data and fetches the listings and details of the products when requested by the frontend.
- Order Management: When an order is placed, it's saved in Sanity CMS for record-keeping and further processing.

Third-Party APIs

- **Shipment Tracking API:** Once an order is placed, the frontend fetches shipment tracking details using the third-party API to show the real-time status of the shipment to the user.

Payment Gateway

- **Transaction Processing:** Payment details (via a third-party payment gateway) are securely processed, and confirmation is sent back to the user.
- **Payment Confirmation:** The payment status is also recorded in Sanity CMS.

Key Workflows

1. User Registration:

- *User signs up → Data is stored in Sanity → Confirmation sent to the user.*

2. Product Browsing:

- *User views product categories → Sanity API fetches data → Products displayed on frontend.*

3. Order Placement:

- *User adds items to the cart → Proceeds to checkout → Order details saved in Sanity.*

4. Shipment Tracking:

- *Order status updates fetched via the 3rd-party API → Displayed to the user in real-time.*