

# 1. System Architecture Overview

## Frontend:

- Built with **Next.js** and **Tailwind CSS** for a modern, responsive, and user-friendly interface.

## Backend:

- Powered by **Sanity CMS** for efficient content management and real-time data updates.

## APIs:

- Integrated with third-party APIs for **payment processing** and shipment and **order tracking**.

## Database:

- Schema-based data storage managed via **Sanity CMS** for seamless interaction with frontend workflows.
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# 2. Key Workflows

## User Workflows

### User Registration and Login

1. User enters their **email** and **password**.
2. Credentials are verified through the **authentication API**.

### Product Browsing

- Users can explore **products by category**.

### Add to Cart

- Users can **add desired items** to their shopping cart.
- The cart updates **in real-time** to reflect the user's selections.

## Order Placement

1. **Review Cart:** Users review their selected items in the cart.
  2. **Checkout:** Users proceed to checkout and enter **payment details**.
  3. **Payment Processing:** Payment is securely processed via an **integrated API**.
  4. **Order Confirmation:** Users receive confirmation of their **order and tracking details**.
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## 3. Additional Notes

- The workflows are designed to ensure a **seamless user experience** and align with the project's goal of creating a **modern, functional e-commerce platform**.
  - For detailed API documentation, refer to the **/api directory** in the repository.
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**Thank you!**