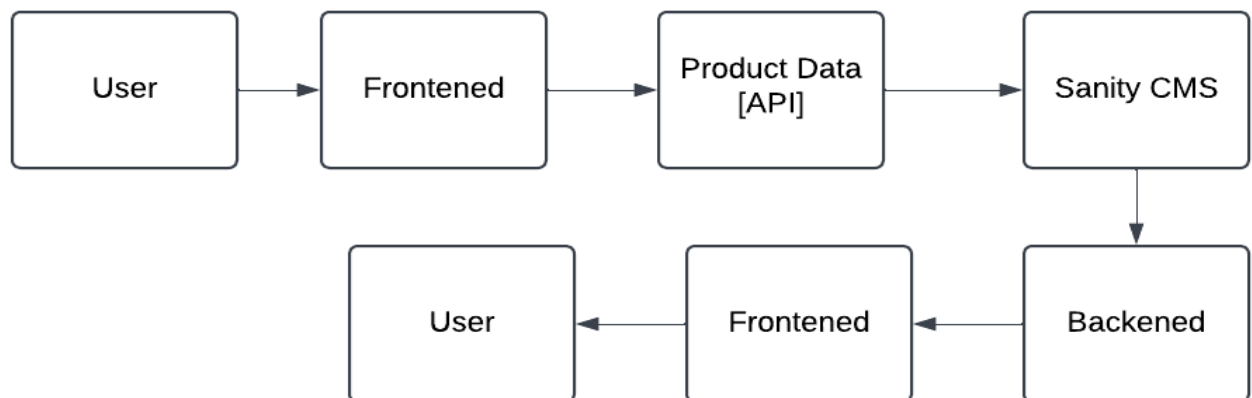


Key Workflows of E-commerce Website

1. User Browsing Products

Steps:

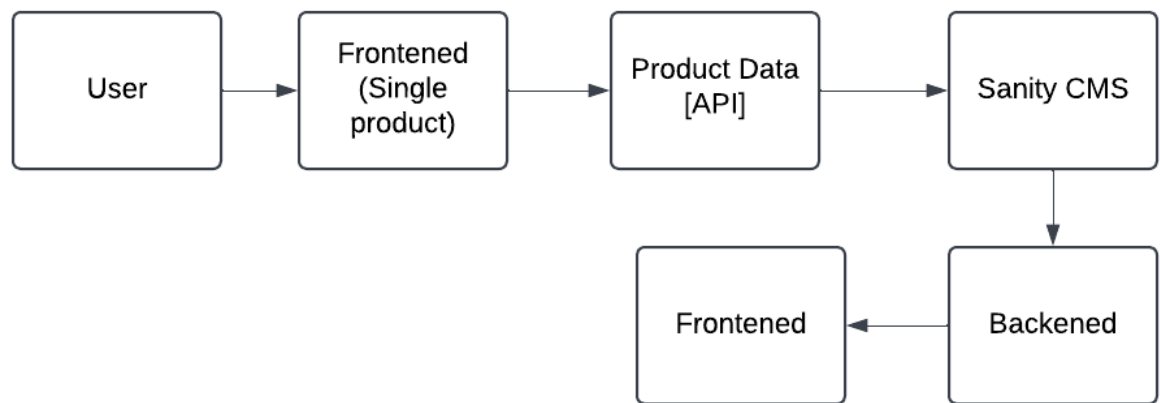
1. The user navigates to the **Home** or **Shop** page.
2. The frontend requests product data from the **Product Data API** (via Sanity CMS).
3. The backend retrieves product details and sends them to the frontend.
4. The frontend dynamically displays the products.



2. Viewing a Single Product

Steps:

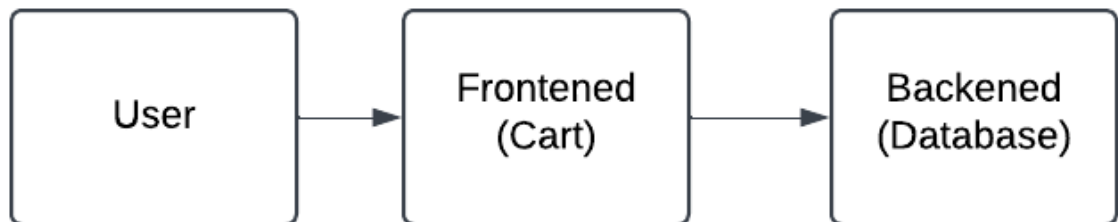
1. The user clicks on a product from the product list.
2. The frontend requests detailed information about the product from the **Product Data API**.
3. The backend retrieves and sends product details (images, descriptions, price, reviews) to the frontend.
4. The frontend displays the **Single Product** page with all relevant details.



. 3. Adding Products to Cart

Steps:

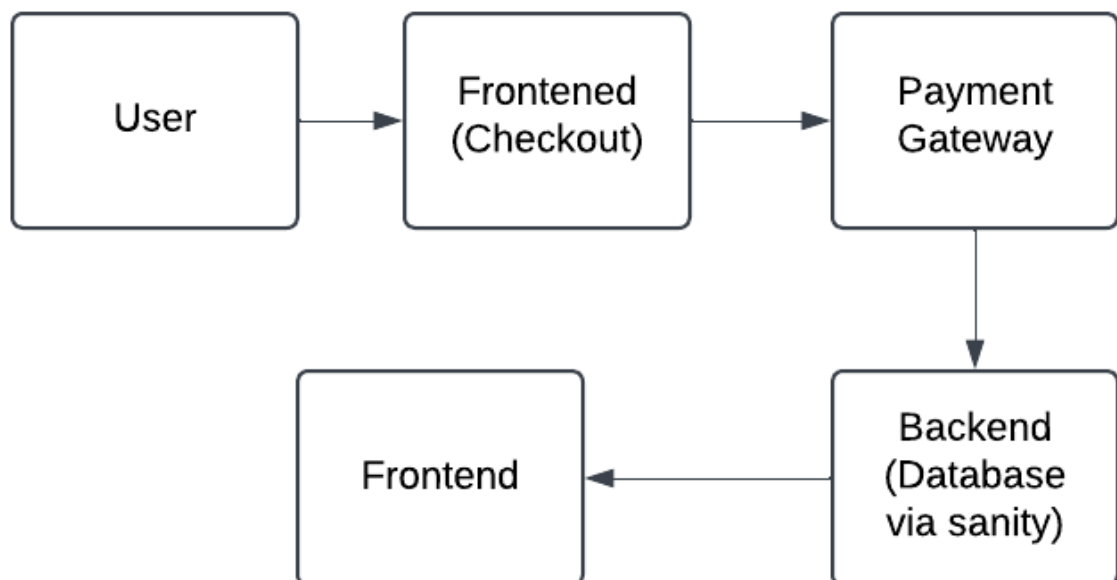
1. The user clicks "Add to Cart" on a product.
2. The frontend updates the cart visually and sends a request to the backend to save the cart data.
3. The backend stores the updated cart in the **Database**.



4. Placing an Order

Steps:

1. The user reviews the cart and proceeds to the **Checkout** page.
2. The frontend collects shipping and payment information.
3. The payment details are sent to the **Payment Gateway** for processing.
4. Once payment is confirmed, the backend saves the order in the **Database** via Sanity CMS.
5. The user receives a confirmation message on the frontend.



5. Tracking an Order

Steps:

1. The user logs into **My Account** and navigates to the order history section.
2. The frontend requests order details, including shipment tracking data, from the **Database** and **Third-Party Shipment Tracking API**.
3. The backend retrieves and combines the data, sending it to the frontend.
4. The frontend displays the real-time tracking information to the user.

