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1. **Customer Flow:**
 - Starts with checking if they are signed up.
 - If not signed up, the flow leads them to sign up.
 - After signing up, customers can:
 - Search for a product.
 - Add the product to the cart.
 - Proceed to place an order, which depends on payment confirmation.
2. **Admin Flow:**
 - Admin logs in and can:
 - Add categories.
 - Manage orders.
3. Both roles have an option to log out, leading to the termination of the process.

System architecture Overview

[Frontend (Next.js)]

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[Sanity CMS] -----> [Product Data API]

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[Third-Party API] -----> [Shipment Tracking API]

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[Payment Gateway]

Components Overview:

1. **Frontend (Next.js)**
 - Acts as the user interface for your application, where users interact with the system.
2. **Sanity CMS**
 - Manages content, such as product data, or other dynamic content.
 - Directly communicates with the **Product Data API** to fetch/store product-related data.
3. **Product Data API**
 - Provides the product-related information to the frontend and handles requests from the CMS.
4. **Third-Party APIs**
 - External services used for functionality such as fetching additional product data or user-specific features.

5. Shipment Tracking API

- Tracks and updates the shipping status of user orders.

6. Payment Gateway

- Manages payment processing securely for the orders placed.

Workflow diagram

[visits home page]->[Browses products]->[View Product details]

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[Add product to cart] -> [Proceeds to checkout]

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[Complete profile and payment detail]->[order confirmation]->[Track shipment]

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[Receives delivery at home]

Workflow Diagram Steps:

1. **Visits Home Page**
 - User lands on the home page.
2. **Browses Products**
 - User explores available products.
3. **View Product Details**
 - User selects a product to see detailed information.
(Flow continues from here.)
4. **Add Product to Cart**
 - User decides to add the product to their shopping cart.
5. **Proceeds to Checkout**
 - User moves forward to checkout the items in the cart.
6. **Complete Profile and Payment Details**
 - If required, the user fills in their profile and payment information.
7. **Order Confirmation**
 - After successful payment, the user receives an order confirmation.
8. **Track Shipment**
 - The user can monitor the shipment status of their order.
9. **Receives Delivery at Home**
 - The product is delivered to the user's specified address.