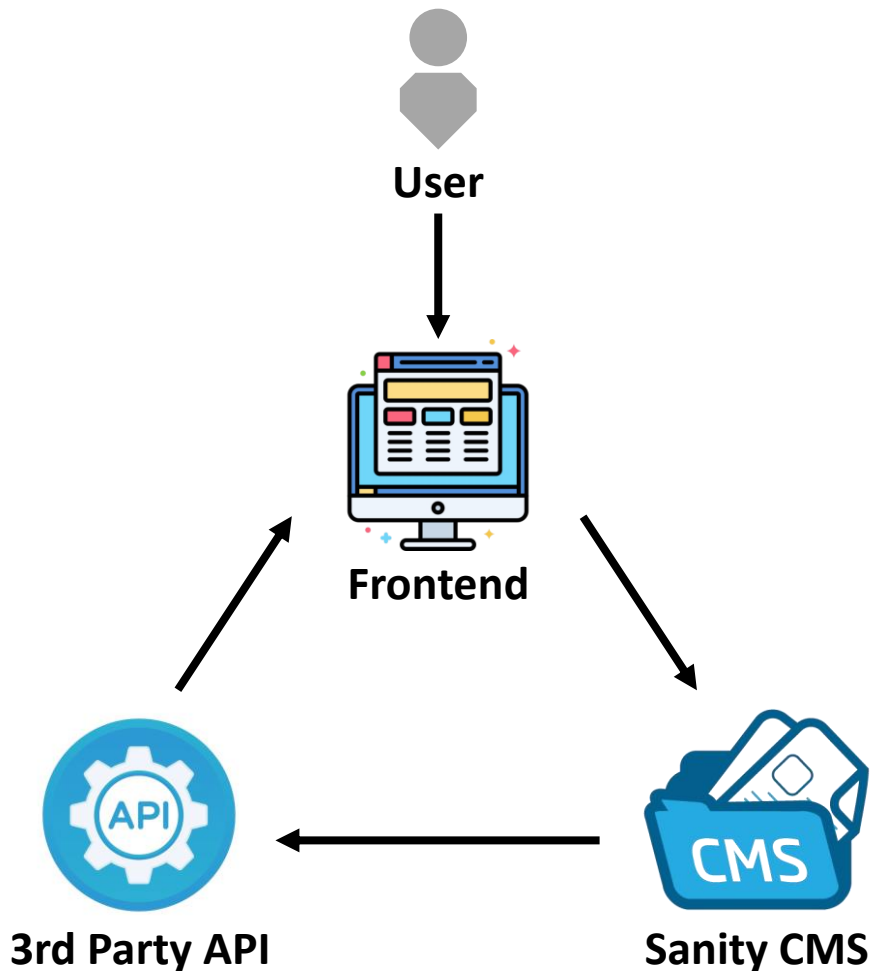


## SYSTEM ARCHITECTURE



***"A system's design is not just about functionality;  
it's about creating a seamless connection between components  
to deliver value."***

## Business Goals into Specific Technical needs

### 1. Frontend Requirements

This is how users will interact with the marketplace:

**User-Friendly Interface:** Easy navigation, visually appealing layout.

**Responsive Design:** Works on all devices (desktop, tablet, mobile).

**Essential Pages:**

- **Home:** Introduces the marketplace and showcases featured products.
- **Product Listing:** Displays categories and items with filters.
- **Product Details:** Shows item info like price, images, and descriptions.
- **Cart:** Displays selected products with a checkout button.
- **Checkout:** Captures user details and processes payments.
- **Order Confirmation:** Confirms order placement with tracking details.

### 2. Backend Requirements

**Sanity CMS** will manage your data for products, orders, and users:

**Schemas in Sanity CMS:**

- **Products Schema:** Fields like name, price, image, category, stock, and description.
- **Orders Schema:** Fields like customer info, product list, total amount, and payment status.
- **Customers Schema:** Fields like name, email, address, and order history.

**Third-Party APIs:**

**Payment Gateway API:** Process transactions securely.

**Shipment Tracking API:** Update and display order delivery status.