

DAY 2

Marketplace Technical Foundation Nike's Shoes

1. System Architecture Overview:

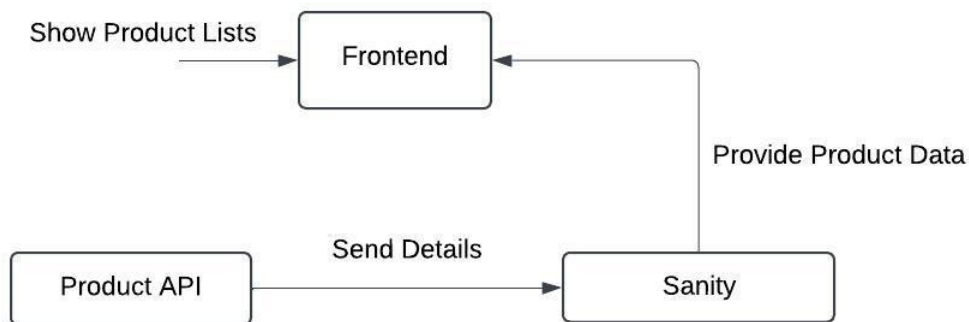
- ✓ My Website = Nike Shoes
- ✓ Should be easy to use
- ✓ Best UI/UX
- ✓ User can easily search for shoes by type, size & color

Front-End: Handles user interaction Fetches product data from Sanity CMS and communicates with APIs for orders and shipment tracking.

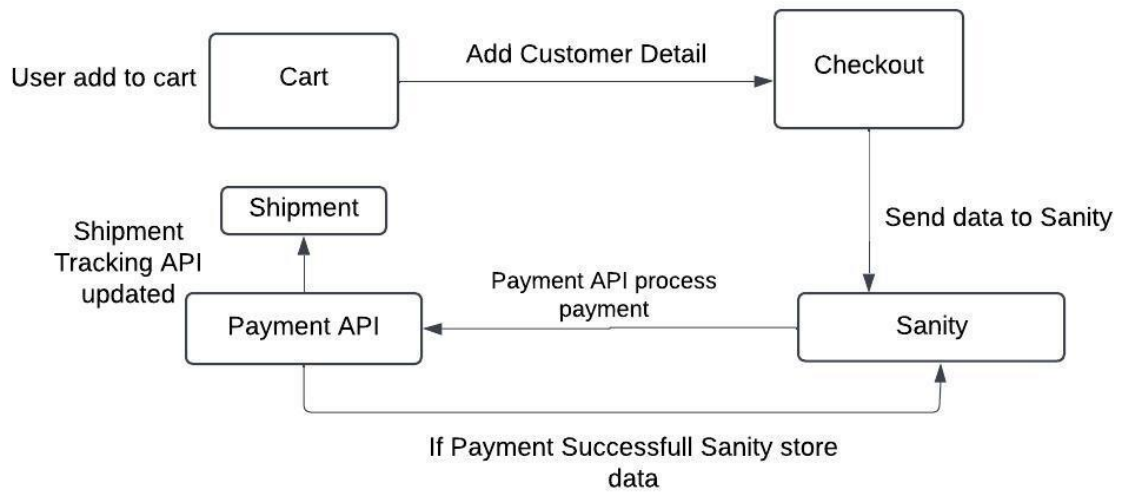
Sanity CMS: Stores product details ordering information and other necessary data.

Third-Party APIs: Manages payment processing and shipment tracking.

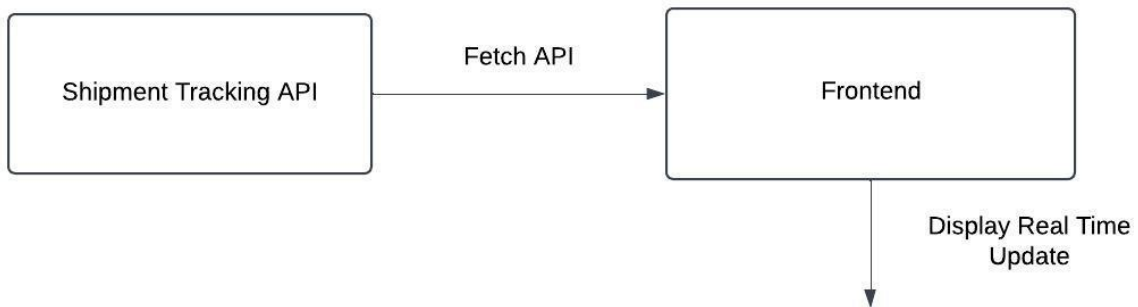
1. Fetching Product:



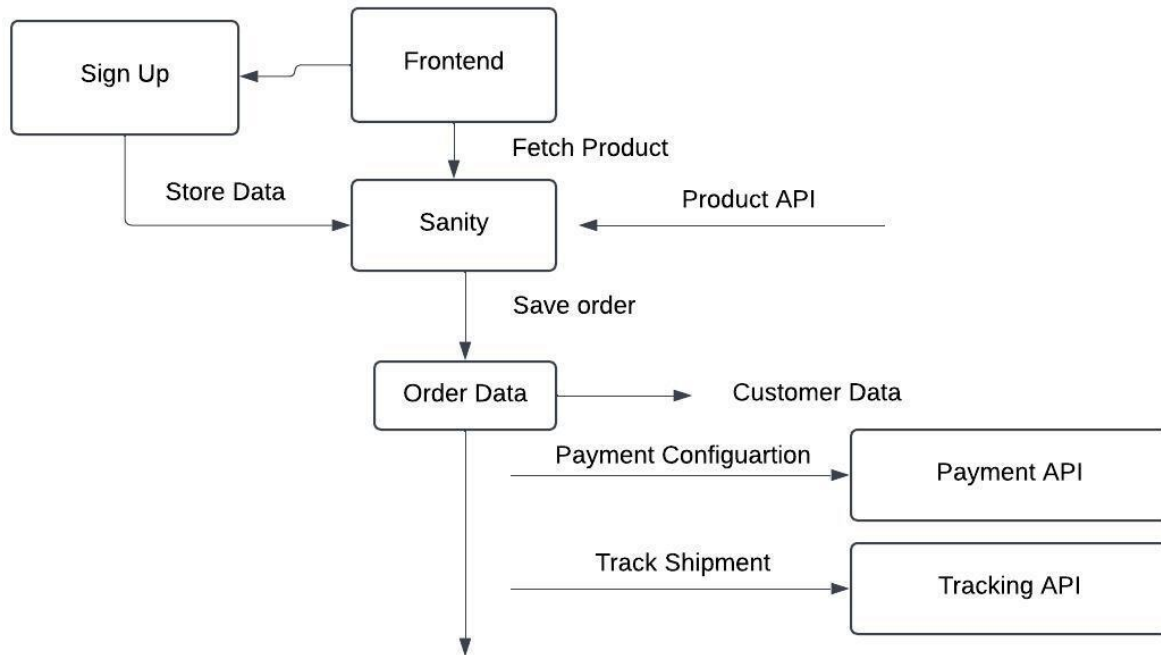
2. PlacingOrder:



3. Order Tracking:



4. Design System Architecture:



Workflow:

1. Browse Products:

- User open website
- User see list of Nike shoes
- User click shoes and see its details
- Front-end fetches data from sanity and display it On product details
- Click Fetch specific product from sanity

2. Place Order:

- User select product and add to cart
- User goes to cart page to review selected items
- User click proceed to checkout
- User fill out the shipping and payment details then click place order
- Frontend saves cart details locally
- On checkout: send order info to sanity
- Payment Gateway API process the payment
- If Payment succeed save order detail insanity

3. Track Shipment:

- User open the my order page
- User select an order to view tracking details
- Front-end fetches the order tracking ID from sanity
- Frontend sends the tracking ID to shipment tracking API
- API return real time shipment data

WORK FLOW CHART

