

## • TECHNICAL REQUIREMENTS

### FrotEnd Requirements:

- Ap Routes
- Home,
- Product Listing,
- Product Details,
- Cast,
- Checkout,
- Order Confirmation.

### 2 . Back End Requirements:

- Sanity CMS for managing.
- Product Data  
(Categories, Price, Stock)
- Customer Data  
(Profiles, Order History)
- Order Data  
(Products, Quantities, Status)

### 3. Third-Parky APIs :

- Shipment Tracking API for real-time delivery status.
- Payment Gateway for secure transactions.

# API Integration in Next.js

create utility

functions

sre|scriptlapi.ts

render data in

components

ourProduct.tsx

shop.tsx

relatedProduct.tsx

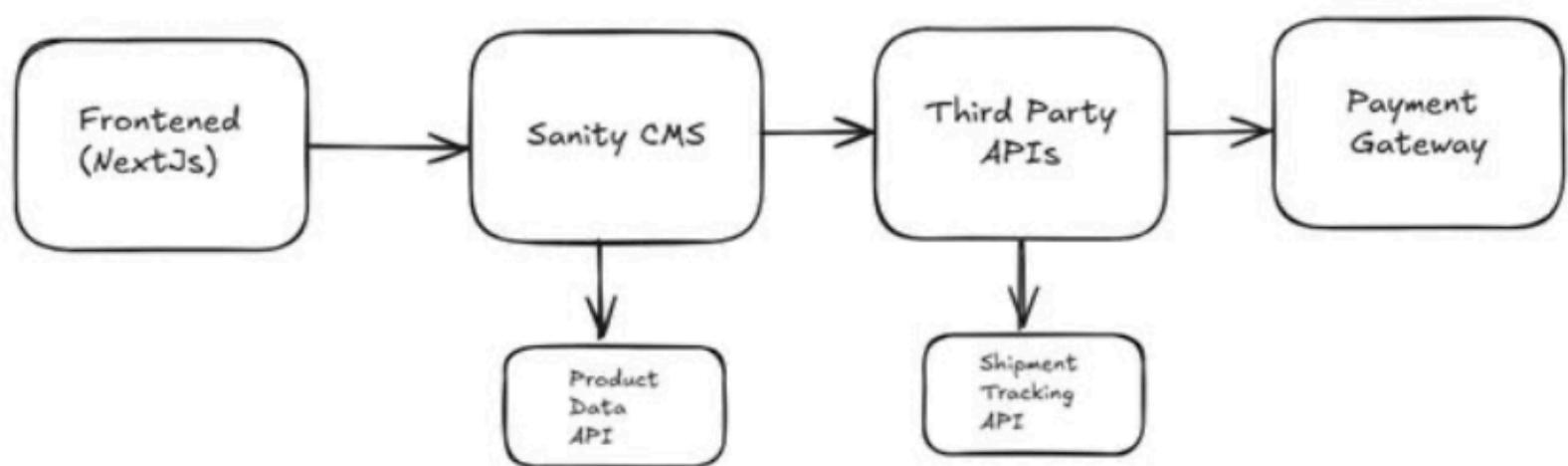
thunder client

Test API

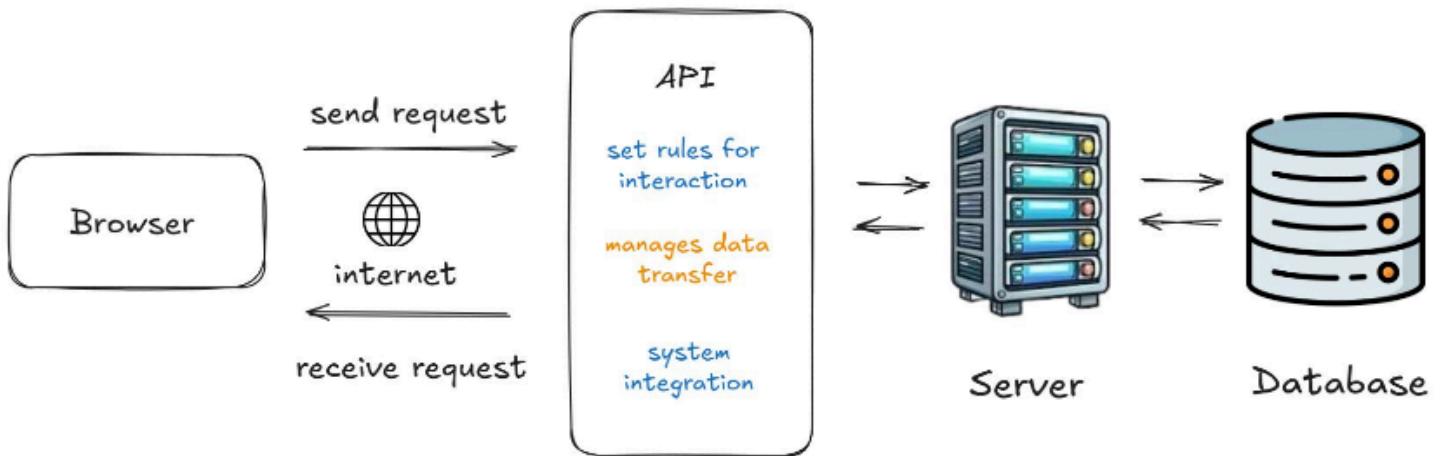
Integration

console.log

## SYSTEM ARCHITECTURE OVERVIEW



# API integration process



## API integration process.

1. I create a project in my sanity account.

2. Create a token

Then I Create a schema for a product according to the provided [Sir Bilal](#) API.

Also given the path for image in next.config. mjs

## Migration steps and tools used.

Create a importSanityData.mjs file in scripts folder and add function to integrate API in sanity project.

Add In package.json

- "import-data" : "node script/importSanityData.mjs"

After all the import steps for migrate API data in my projects, I run this command in my terminal

- npm run import-data

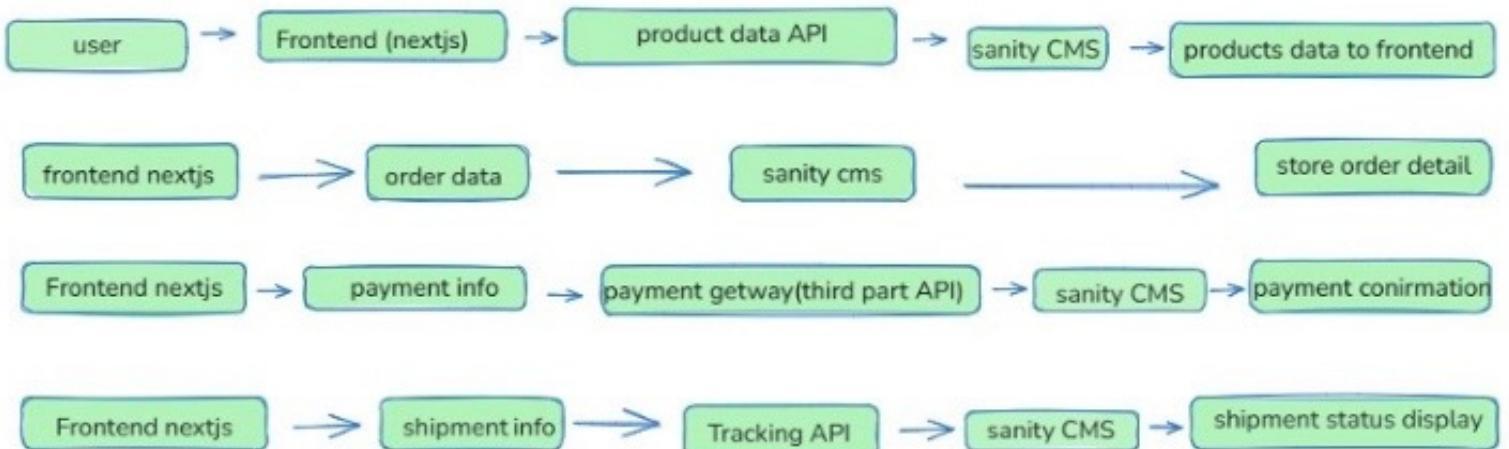
\* Make sure run the same name as you add in package json dependencies

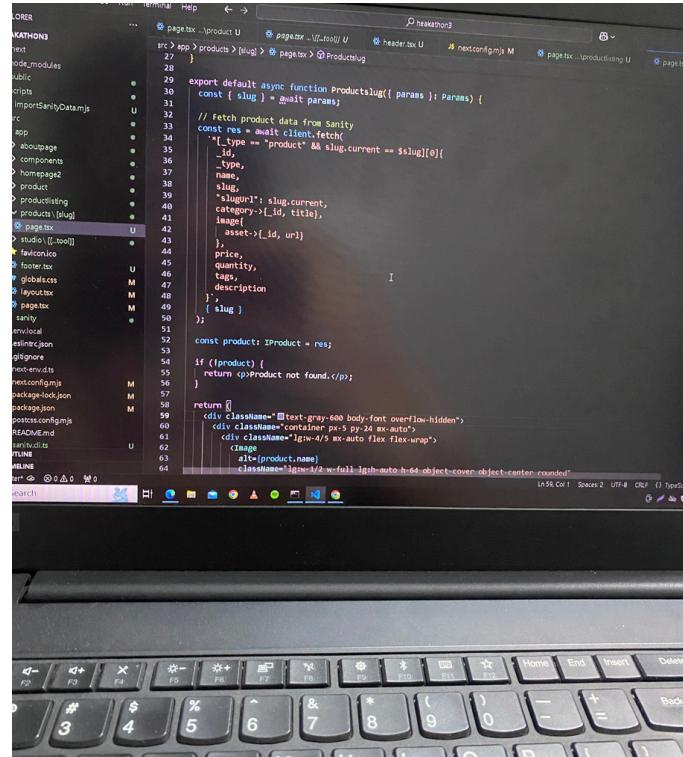
**A clear diagram illustrating how the frontend CMS and third-party API**

**interacts with Sanity**



# Project Overview





```
import { useQuery } from 'react-query';
import Product from 'src/app';

export default async function productslug({ params }: Params) {
  const res = await client.fetch(`[{"type": "product" && slug.current == ${slug[0]}]{
    type,
    name,
    slug,
    "slugin": slug.current,
    category->_id, title,
    images(
      asset->_id, url
    ),
    price,
    quantity,
    tags,
    description
  }`, { slug });
  const product: IProduct = res;
  if (!product) {
    return <p>Product not found.</p>;
  }
  return (
    <div className="text-gray-600 body-font overflow-hidden">
      <div className="container px-5 py-24 mx-auto">
        <div className="grid grid-cols-1 lg:grid-cols-2 w-full flex flex-wrap">
          <div className="flex flex-col justify-center items-center w-1/2 w-full lg:h-64 object-cover object-contain rounded">
            <img alt={product.name} className="lg:h-1/2 w-full lg:h-64 object-cover object-contain rounded" />
            <h3>The Poplar suede sofa</h3>
            <p>A timeless design, with premium materials features as one of our most popular and iconic pieces. The dandy chair is perfect for any styl...</p>
            <div>
              <span>$980.00</span>
              <button>Add to cart</button>
            </div>
          </div>
          <div className="flex flex-col justify-center items-center w-1/2 w-full lg:h-64 object-cover object-contain rounded">
            <img alt="Tropical Vibes" className="lg:h-1/2 w-full lg:h-64 object-cover object-contain rounded" />
            <h3>Tropical Vibe</h3>
            <p>A timeless design, with premium materials features as one of our most popular and iconic pieces. The dandy chair is perfect for any styl...</p>
          </div>
        </div>
      </div>
    </div>
  );
}
```

