Alisha Zehra Marketplace builder

Project Description: Fetching Data from Sanity and API Integration

This project focuses on integrating Sanity CMS with a Next.js application to fetch and display data dynamically. The goal is to import data from a Sanity schema (e.g., products) into the Next.js app using API integration. The project will involve:

1. Setting up Sanity CMS: Configuring the Sanity project to define the schema, such as products, and populating it with content.

2. API Integration: Using Next.js API routes to fetch data from Sanity, either directly or through API calls.

3. Displaying Data: Dynamically rendering the fetched data (e.g., product listings) on the front end of the Next.js app.

4. Custom Components: Building reusable React components to present the data in a user-friendly format (e.g., product cards, grids).

5. Error Handling & Loading States: Managing loading and error states to ensure a smooth user experience.

6. Optimizing Performance: Implementing techniques like Static Site Generation (SSG) or Incremental Static Regeneration (ISR) to fetch and cache data efficiently.

This project provides hands-on experience with integrating a headless CMS (Sanity) and API fetching in Next.js while focusing on dynamic content management.

From my TECNO

```javascript
import { defineType, defineField }
from "sanity"

export const product = defineType({
    name: "product",
    title: "Product",
    type: "document",
    fields: [
        defineField({
            name:"category",
            title:"Category",
            type:"reference",
            to:[{
                type:"category"
            }]
        }
        ),
        defineField({
            name: "name",
            title: "Title",
            validation: (rule) ->
rule.required(),
            type: "string"
        }),
        defineField({
            name: "slug",
            title: "Slug",
            validation: (rule) ->
rule.required(),
            type: "slug"
        }),
        defineField({
            name: "image",
            type: "image",
            validation: (rule) ->
rule.required(),
            title: "Product Image"
        }),
        defineField({
            name: "price",
            type: "number",
            validation: (rule) ->
rule.required(),
            title: "Price",
        }),
        defineField({
            name: "quantity",
            title: "Quantity",
            type: "number",
            validation: (rule) =>
rule.min(0),
        }),
        defineField({
            name: "tags",
            type: "array",
            title: "Tags",
            of:[{
                type: "string"
```

Content

📁 Product

📁 Category

Product

🔍 Search list

Marble Ease

Vase Set

The Dandy chair

Bright Space

Cloud Haven Chair

Bold Nest

Sunny Chic

Reflective Haven

Modern Serenity

Timeless Elegance

Vase Set

Product Image

Price

150

Quantity

50

Published 30 min. ago

Publish

DATASET	API VERSION	CUSTOM API VERSION	PERSPECTIVE ⓘ	QUERY URL [COPY TO CLIPBOARD]
production ˅	Other ˅	v2025-01-23	raw ˅	https://a4pxkpg5.api.sanity.io/v2025-01-23/data/query/p

QUERY

```
1  *[type== product]
```

PARAMS

```
1  {
2
3  }
```

RESULT

```
[…] 65 items
▾ 0: {…} 7 properties
    _updatedAt: 2025-01-23T13:00:23Z
  ▾ grants: […] 2 items
    ▾ 0: {…} 2 properties
        filter: _id in path("**")
      ▸ permissions: […] 4 items
    ▾ 1: {…} 2 properties
        filter: (_id in path("**")) && _id in path("drafts.**")
      ▸ permissions: […] 4 items
    _createdAt: 2025-01-23T12:37:27Z
  ▾ members: […] 1 item
      0: ppp9cZDYO
    _rev: NGbH4pjcDaYIxrHyzDEBdc
    _type: system.group
    _id: _.groups.administrator
      🔗
▾ 1: { } 7 properties
```

▸ Fetch　　　▸ Listen

Execution: 24ms　　End-to-end: 303ms

Save result as 🗐 JSON 🗐 CSV