HACKATHON DAY 3

API INTEGRATION REPORT

Marketplace Name: Avion Furniture Store

1. Introduction

The objective of this task was to integrate API data into the project, migrate the data into Sanity CMS, and display the fetched data on the frontend using Next.js. This report outlines the steps followed, challenges encountered, and the solutions implemented.

Step 1: Understanding API

https://hackathon-apis.vercel.app/api/products

- **Explored the API using Postman to identify the required endpoints and fields:**
  - **Example endpoints: /products, /categor**ies.
- **Identified fields like name, price, description, etc.**

Step 2: Adjusting Schema

- **Updated the Sanity CMS schema to match API fields.**
  - **Example:**
    - **API field product_title → Schema field name.**
    - **API field price → Schema field cost.**

Project on sanity => Generate Token => migration => fetch product on cms => Display on Frontend

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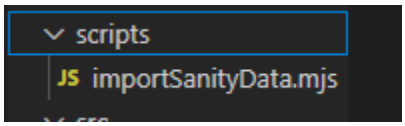
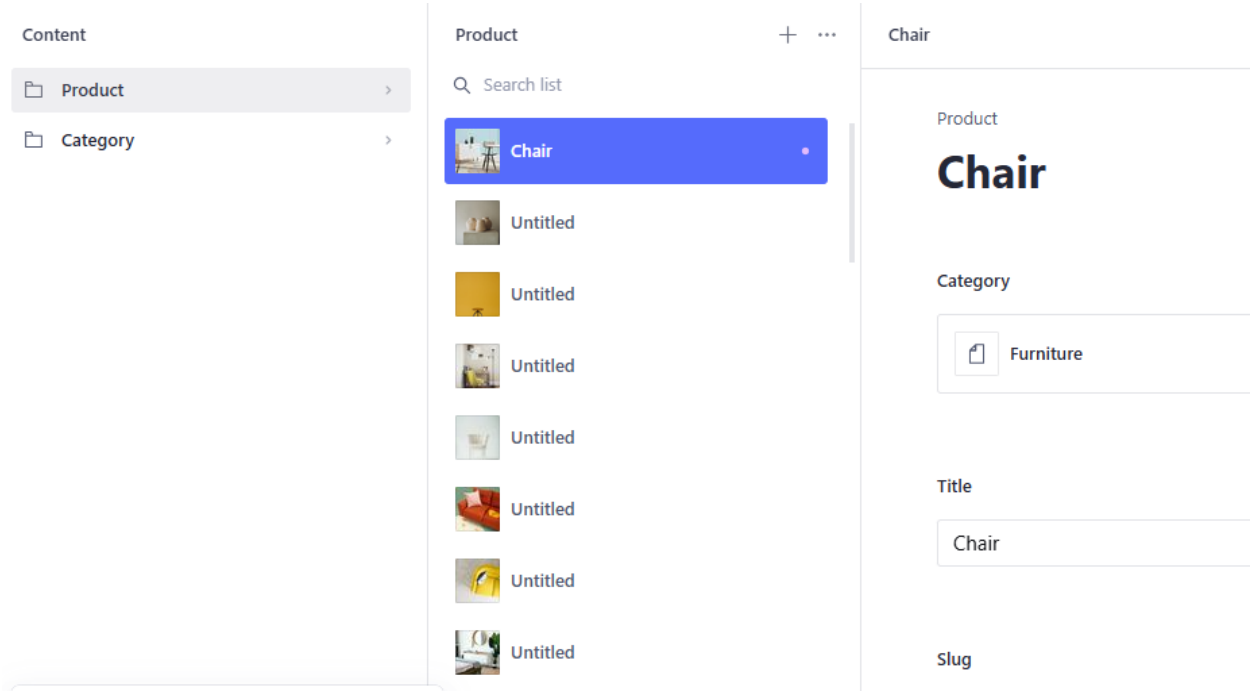
Step 3: Data Migration

- **Provided Script: Ran importSanityData.mjs successfully.**





Step 4: API Integration in Next.js

- **Fetched data using fetch in Next.js components.**

```
export default async function Home() {
  const data = await client.fetch(`*[_type == 'product']`)
  console.log(data)
```

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- **Using Map Function to Call Products**

```
return (
  <div>

    <h1>Fetching Data from Sanity</h1>

    <div className="grid sm: grid-cols-1 md:grid-cols-2 lg:grid-cols-4">
      {
        data.map((items:any) =>  {
          return (
            <div>
              <Image src={urlFor(items.image).url()} alt={items.name} width={180} height={180}></Image>
              {/* <h1>{items.name}</h1> */}
            </div>
          )
        })
      }

    </div>
```

- **Displayed data on the frontend:**
  - **Example: Showed products Images.**








- **Conclusion**

The task successfully achieved API integration, data migration to Sanity CMS, and frontend data display using Next.js, ensuring smooth functionality.

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