

REVIEWED API DOCUMENTION:

I carefully reviewed the API documentation and understood how the products endpoint work.

I analyzed the structure of the API response data, including the field names and their data types.

SET UP API CALLS:

I used postman to test the API endpoint and ensure the data was being returned correctly.vi In my Next.js project, I created utility function to interact with the API.

I utilized fetch to make POST requests to the API endpoints and stored the responses in variables. To verify the data structure, I logged the API responses in the console.

COMPARED API DATA WITH SANITY SCHEMA:

I reviewed the API data structure and compared it with the existing schema in sanity CMS. I identified discrepancies in field names and data types.

I UPDATED THE SANITY SCHEMA TO ALIGN WITH API DATA STURCTURE FOR INSTANCE:

- API Field: product_title-> Sanity Field: name
- API Field: price-> Sanity Field: price(with the correct data type)

I also added new fields in sanity CMS to accommodate additional data from the API, as the API alone was insufficient to complete the product details on my website.

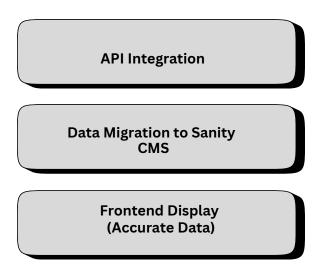
TO MIGRATE DATA FROM THE API TO SANITY CMS, I FOLLOWED THESE STEPS:

I decided to use the provided API to data and wrote a script to import it into Sanity CMS.

- I create a script folder and then created a migration. file to fetch data from the API and transform it into the format required by Sanity CMS.
- I used the sanity client library to product data to the CMS. I Ran the migration script to import the product data into Sanity CMS.
- I verified the imported data by checking the Sanity dashboard and ensuring that all fields all field were correctly populated.

PROJECT OVERVIEW: API INTEGRATION AND DATA MIGRRATION TO SANITY CMS

In this project, I successfully integrated the provided API into my Next.js frontend and migrated product data into Sanity CMS. I adjusted the schema to align with the API data structure and ensured the data was accurately displayed in the frontend. This exercise provided me with valuable practical experience in API integration, data migration, and schema validation, which are essential skills for building scalable marketplaces.



Task	Status	
API Understanding	✓	
Schema Validation	✓	
Data Migration	√	
API Integration in Next.js	✓	
Submission Preparation	✓	

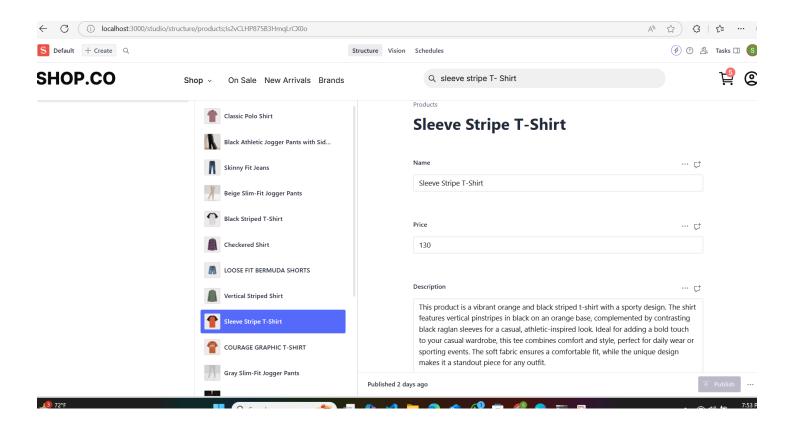
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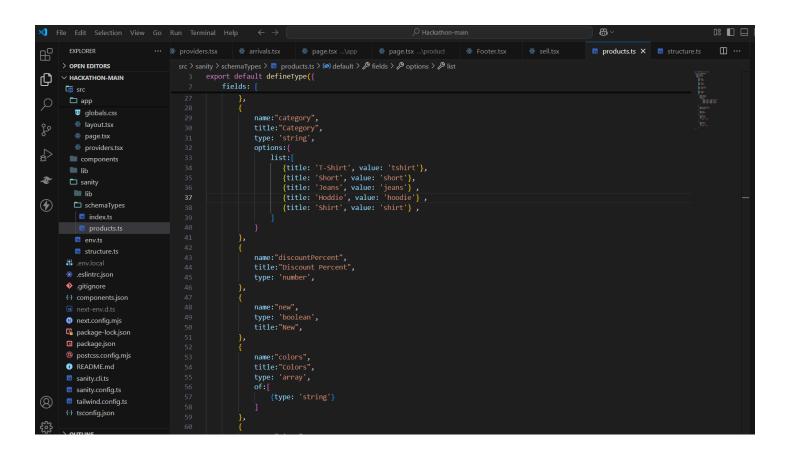
client.ts

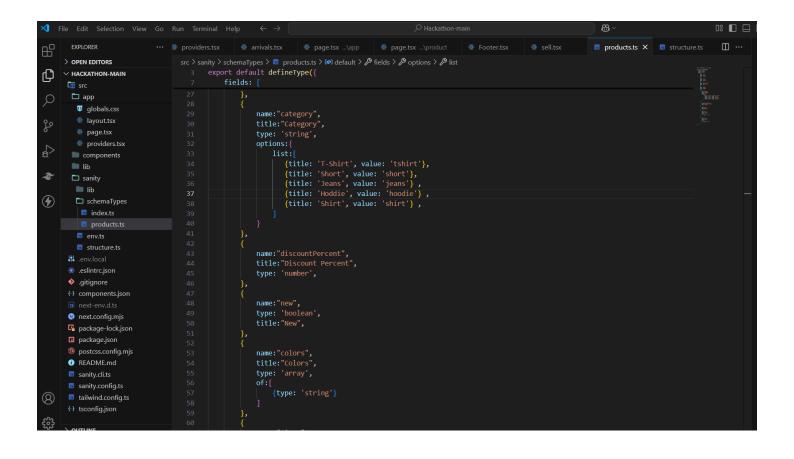
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import { createClient } from 'next-sanity'

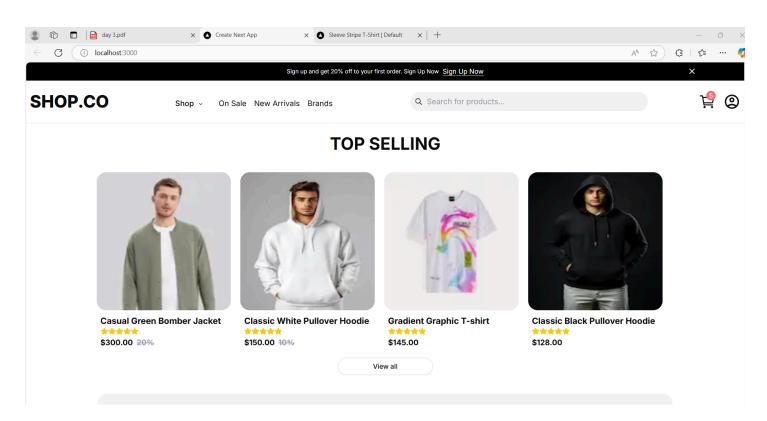
import { apiVersion, dataset, projectId } from '../env'

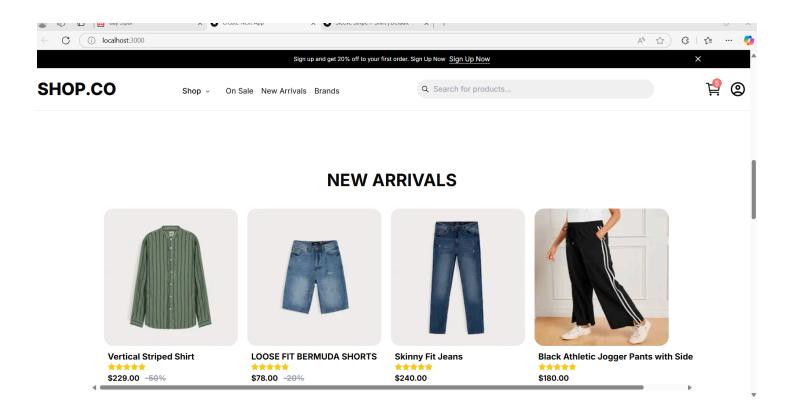
export const client = createClient({
   projectId:process.env.NEXT_PUBLIC_SANITY_PROJECT_ID,
   dataset:process.env.NEXT_PUBLIC_SANITY_DATASET,
   apiVersion:'2025-01-17',
   useCdn: true, // Set to false if statically generating pages, using ISR or tag-based revalidation
   token:process.env.NEXT_PUBLIC_SANITY_AUTH_TOKEN,
}
```

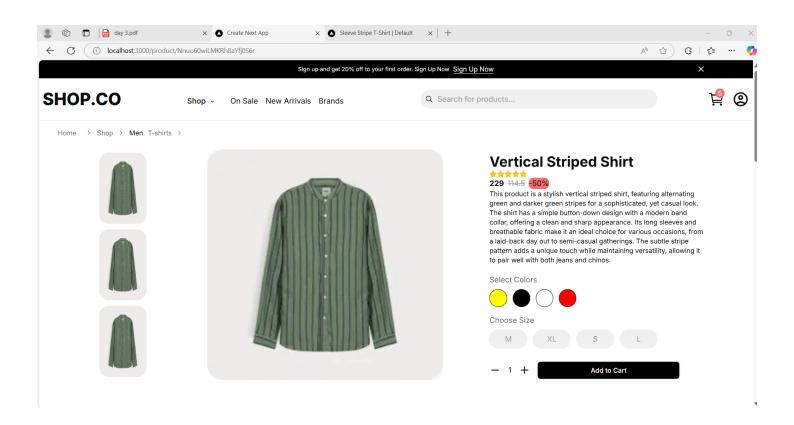












THANK YOU