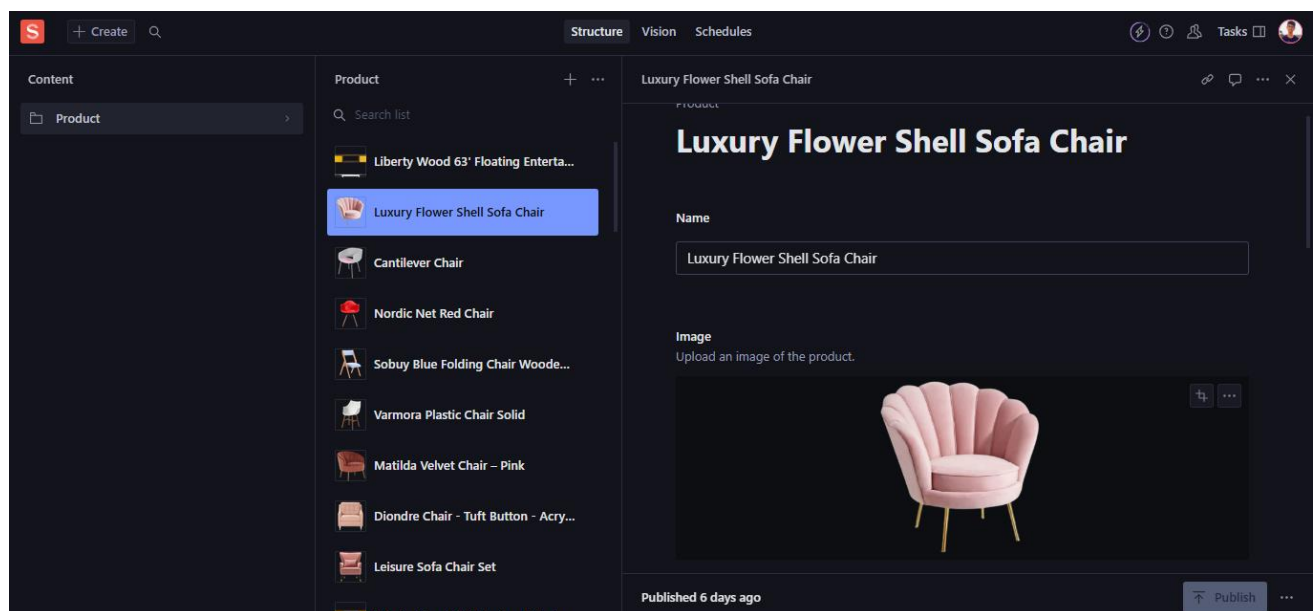


API INTEGRATION AND DATA MIGRATION

HACKATON-03|DAY 3

1.API integration process:-

First, I created a schema in Sanity CMS with fields like name, price, description, and image for products. Then, I made a migration script (import-data.mjs) to fetch data from the API and match it with the schema. After that, I followed the steps provided in Template 4's documentation, where I set up the .env file with the required details, like the Sanity project ID and API token. Finally, I ran the command “**npm run import-data**” (as mentioned in the documentation), which imported the data into Sanity CMS. Now, the data shows up in Sanity Studio, and my frontend displays it correctly.



2.API integration process:-

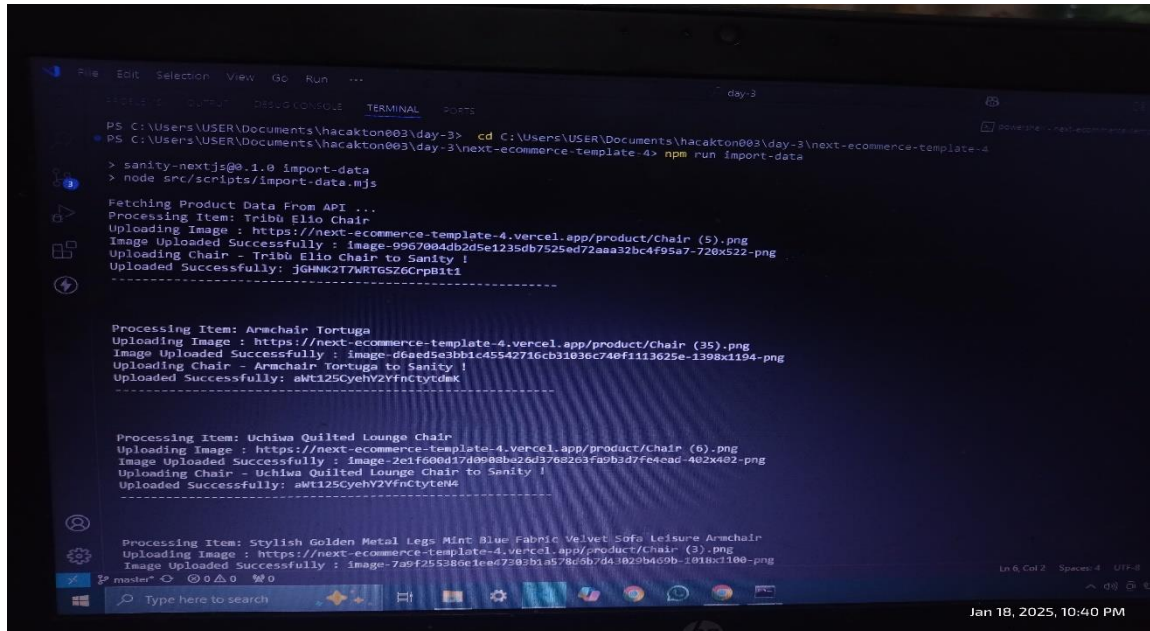
To align the Sanity CMS schema with the API data structure, I made adjustments and included the following fields:

- Image: To store the product image.
- Title: To store the product name or title.
- Description: To store the product details and description.
- Price: To store the product price.
- Discount: To track any discounts applied to the product.
- Category: To categorize the product (e.g., electronics, clothing, etc.).
- Stock: To manage the available stock or inventory of the product.

These fields were carefully mapped to ensure compatibility with the API data, allowing seamless data migration and integration into Sanity CMS.

3. Screenshots:-

- API CALLS:-



```
PS C:\Users\USER\Documents\hacaktone003\day-3> cd C:\Users\USER\Documents\hacaktone003\day-3\next-e-commerce-template-4
PS C:\Users\USER\Documents\hacaktone003\day-3\next-e-commerce-template-4> npm run import-data
> sanity-nextjs@1.0 import-data
> node src/scripts/import-data.mjs

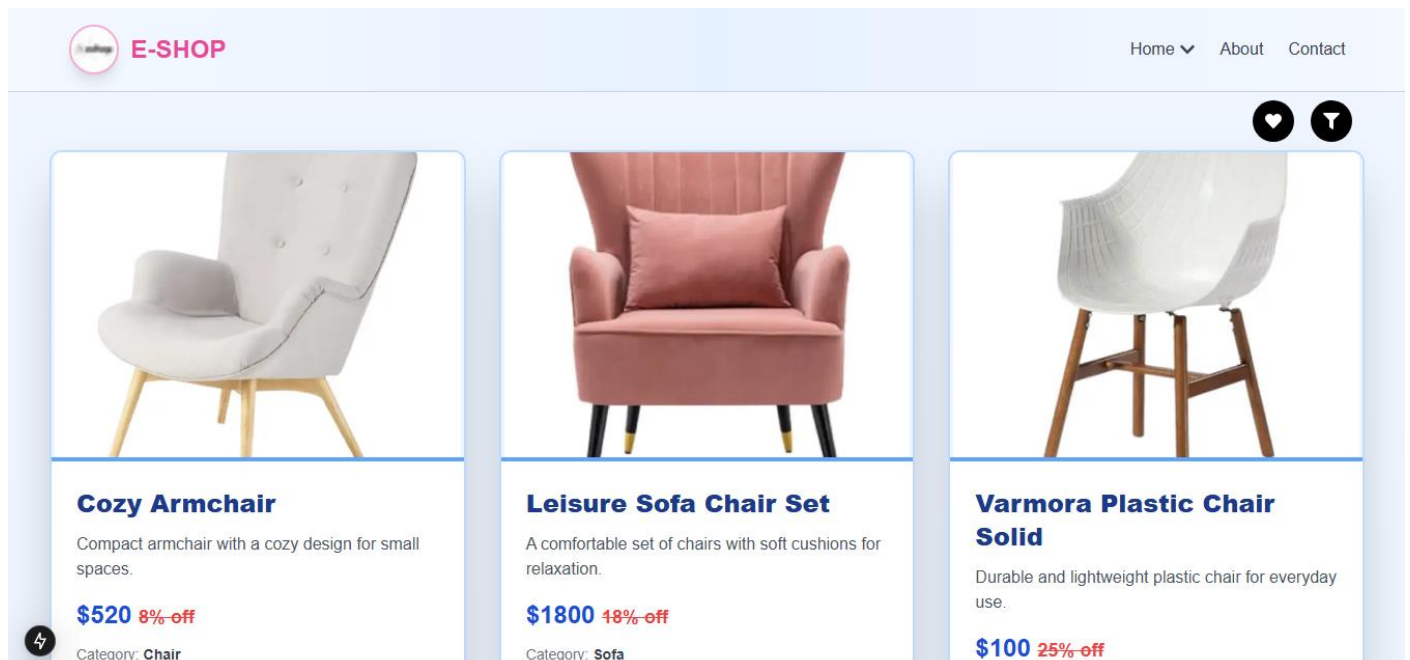
Fetching Product Data From API ...
Processing Item: Tribù Elio Chair
Uploading Image : https://next-e-commerce-template-4.vercel.app/product/Chair (5).png
Image Uploaded Successfully : image-9967004db2d5e1235db7525ed72aaa32bc4f95a7-720x522-png
Uploading Chair - Tribù Elio Chair to Sanity !
Uploaded Successfully: j6W4K217WRTG5Z6Crp81t1

Processing Item: Armchair Tortuga
Uploading Image : https://next-e-commerce-template-4.vercel.app/product/Chair (35).png
Image Uploaded Successfully : image-d6aed5e3bb1c45542716cb3103ec740f1113625e-1398x1194-png
Uploading Chair - Armchair Tortuga to Sanity !
Uploaded Successfully: aWt125CyehY2YfnCtytEN4

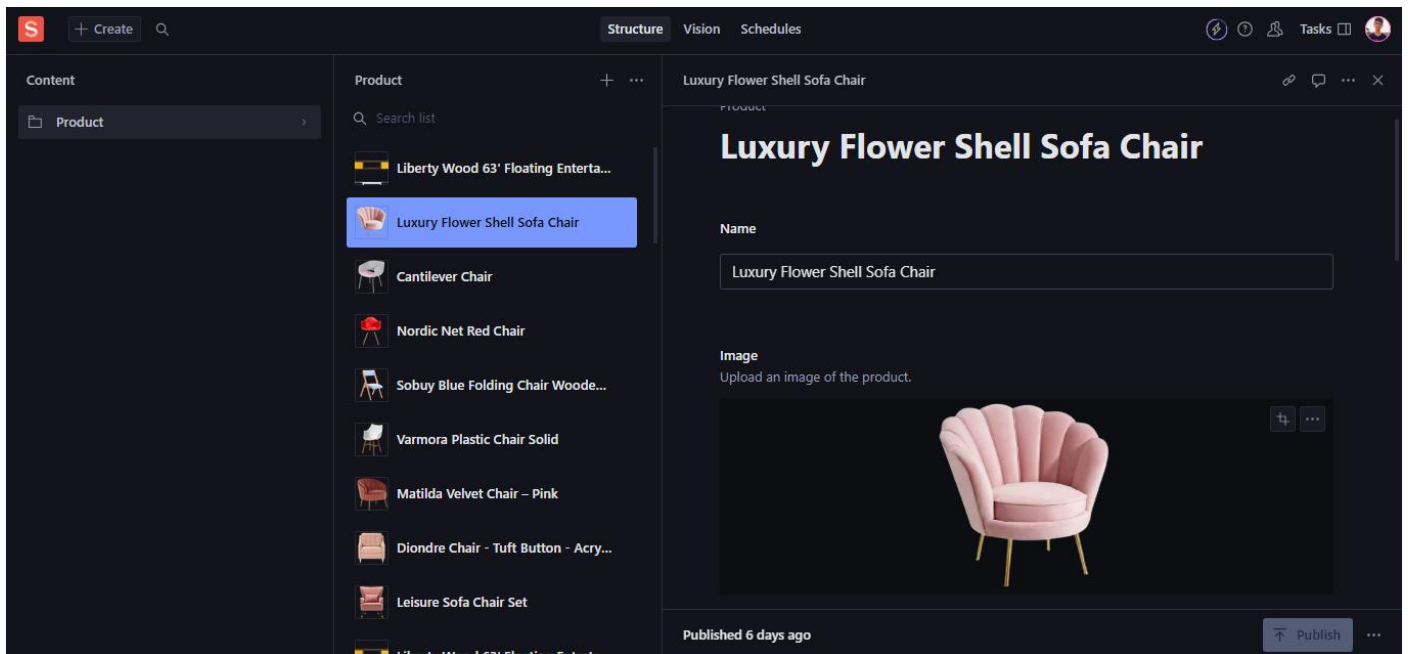
Processing Item: Uchiwa Quilted Lounge Chair
Uploading Image : https://next-e-commerce-template-4.vercel.app/product/Chair (6).png
Image Uploaded Successfully : image-2e1f600474d008be26d3768203f80b3d7f6ead-402x402-png
Uploading Chair - Uchiwa Quilted Lounge Chair to Sanity !
Uploaded Successfully: aWt125CyehY2YfnCtytEN4

Processing Item: Stylish Golden Metal Legs Mint Blue Fabric Velvet Sofa Leisure Armchair
Uploading Image : https://next-e-commerce-template-4.vercel.app/product/Chair (3).png
Image Uploaded Successfully : image-7a9f25386c1ee47305b1a578d0b7d41029b4c9b-2018x1100-png
```

- Data successfully displayed in the frontend:-



- Populated Sanity CMS fields:-



4. Self-Validation Checklist:-

- API Understanding: ✓
- Schema Validation: ✓
- Data Migration: ✓
- API Integration in Next.js: ✓
- Submission Preparation: ✓