# 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.
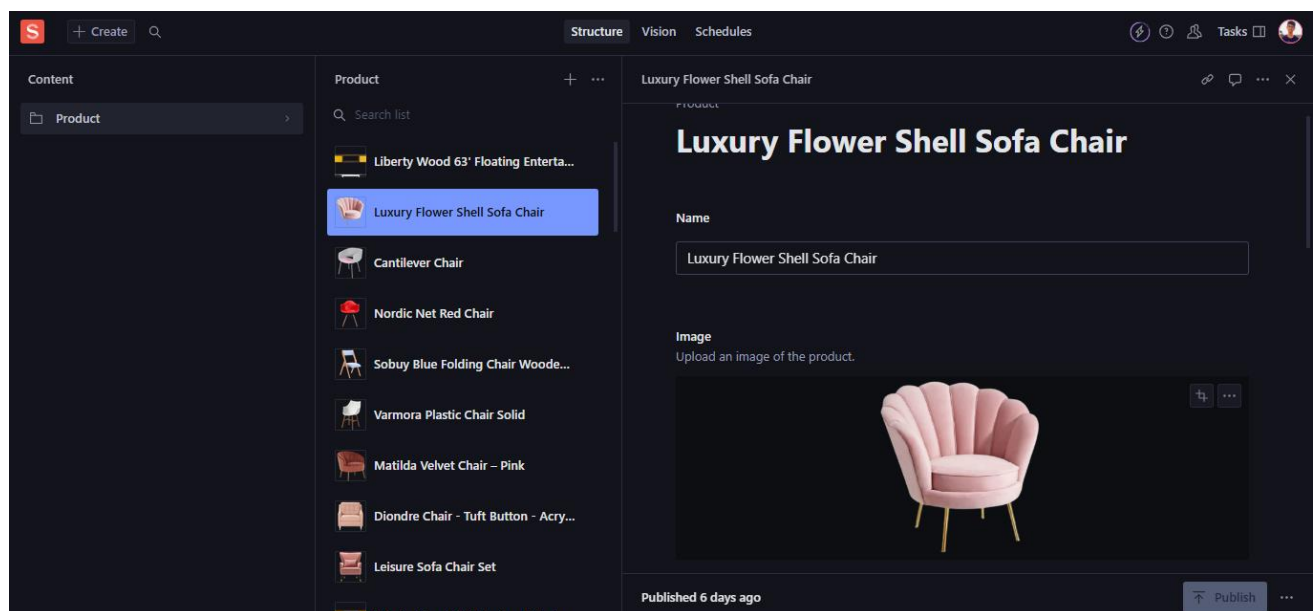
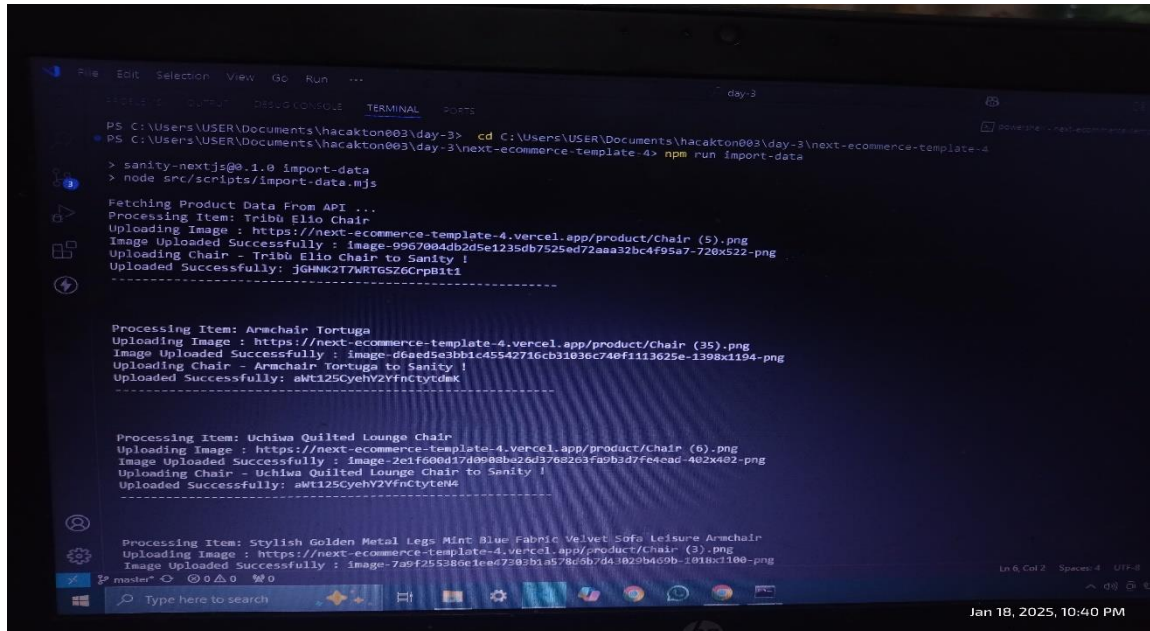

2. API integration process:-

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:-

- Data successfully displayed in the frontend.:-
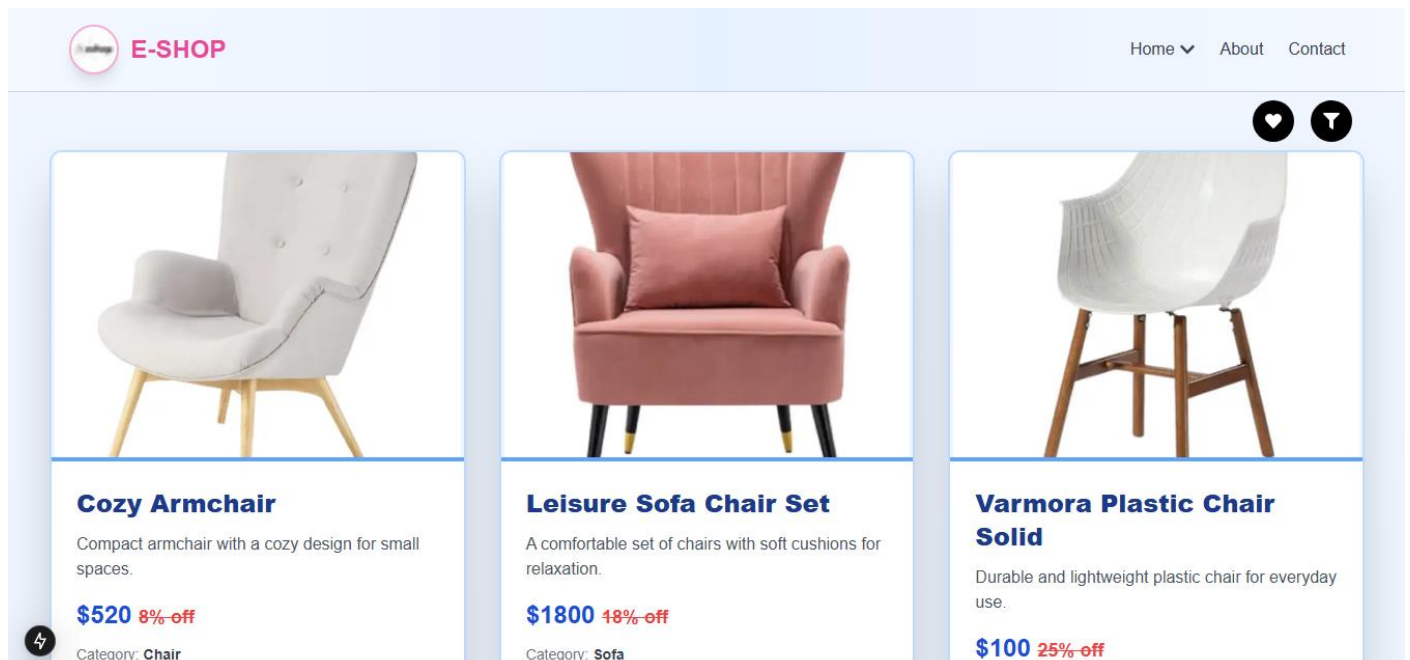
- Populated Sanity CMS fields:-
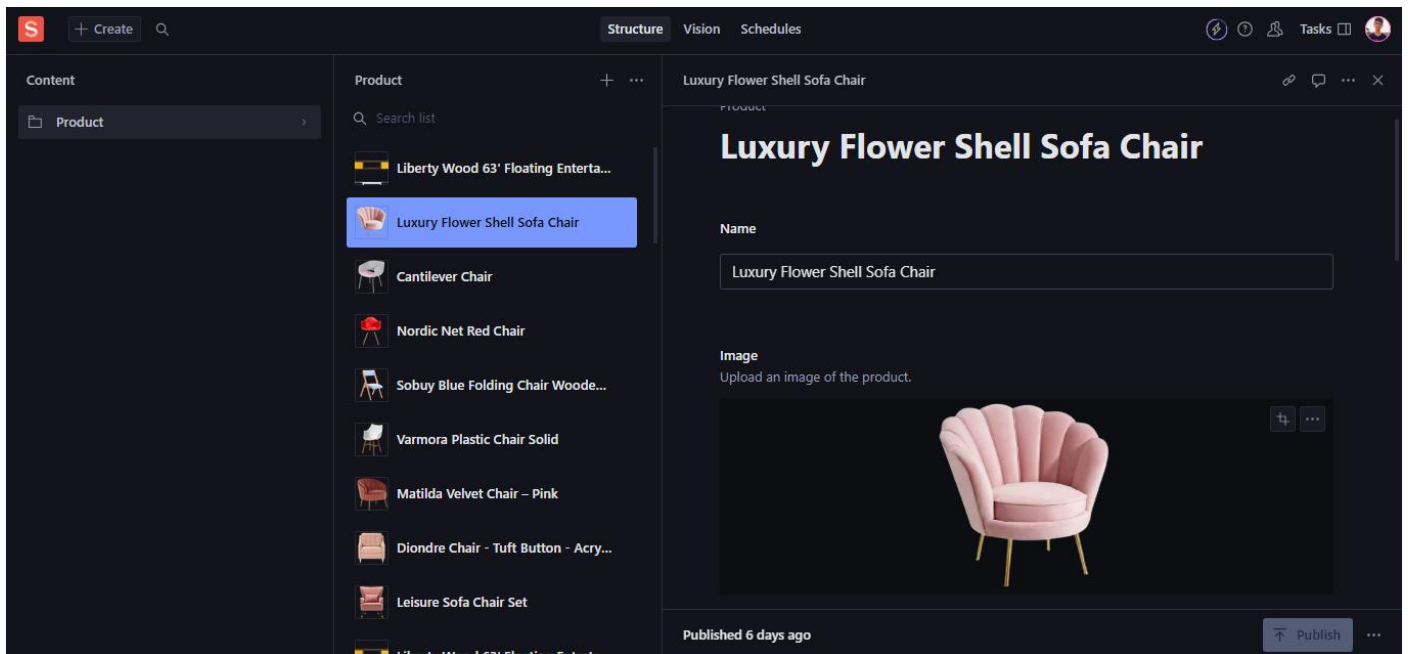
4. <u>Self-Validation Checklist:-</u>

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