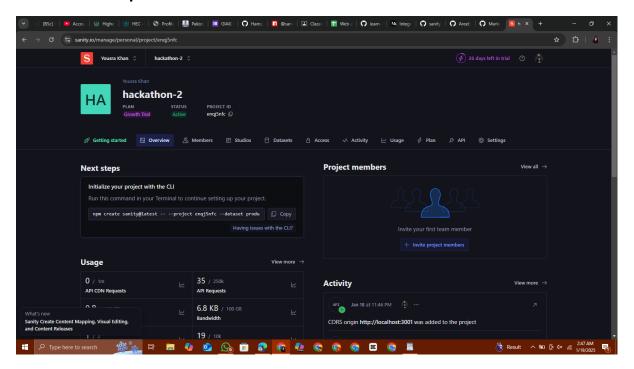
# DAY 3 - API INTEGRATION AND DATA MIGRATION-COMFORTY

## API integration process.

Seamlessly connected the backend services with the frontend by integrating REST APIs, enabling real-time data flow between the e-commerce platform and the Sanity CMS. This integration ensures accurate synchronization of product and category data for a dynamic user experience.

#### • Sanity CMS dashboard

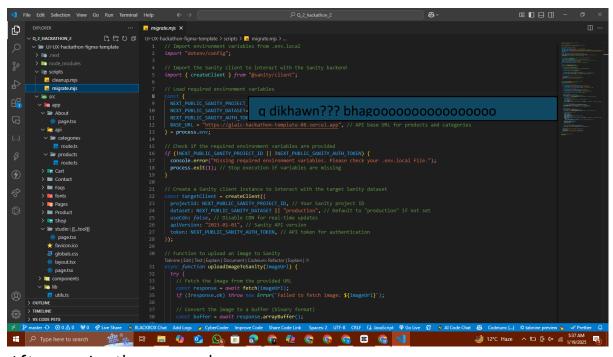


#### Schema Adjustment:

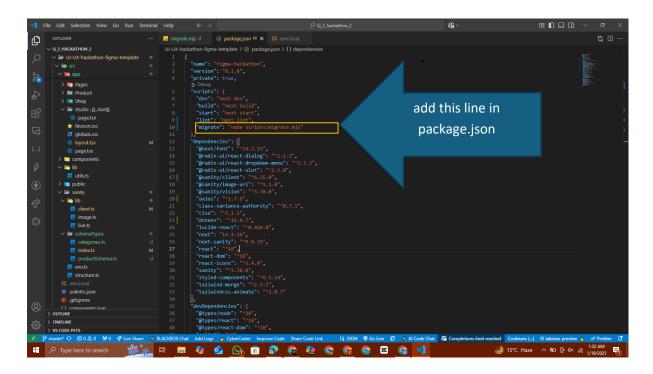
I have developed and refined 2 schemas productSchema.ts and categories.ts

# Migration steps and tools used.

First I created scripts folder, inside scripts folder make migrate.mjs file where I call the API , then run this command on the terminal (npm run migrate), where This will insert the data from the rest api to the sanity studio.



### After running the command,



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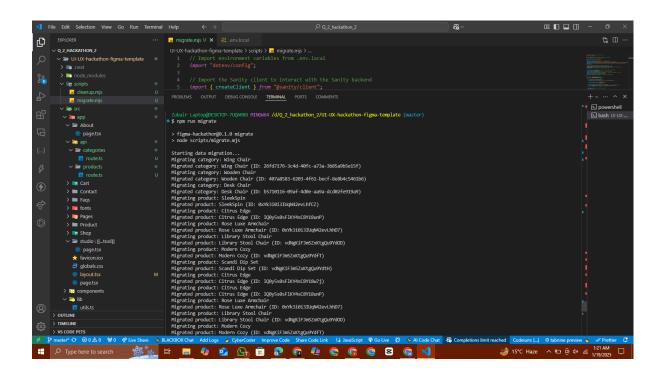
# Api calls:

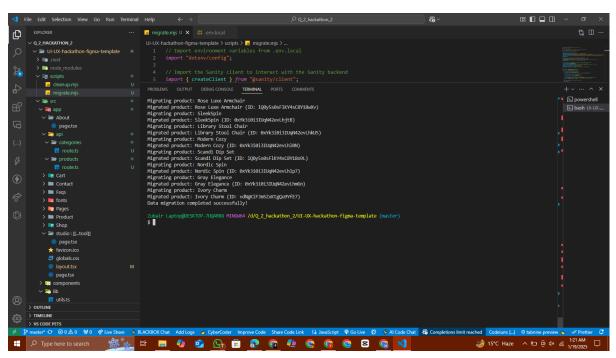
First i make a folder api inside src/app , Then i make 2 routes for fetching data through groq query,

- $\rightarrow$  categories/routes.ts
- → Product/routes.ts

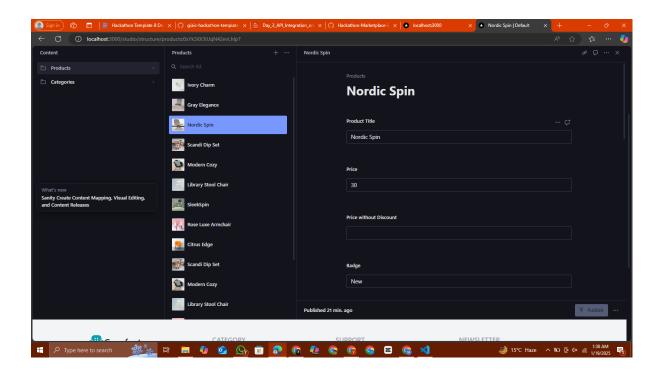
Data successfully displayed in the frontend

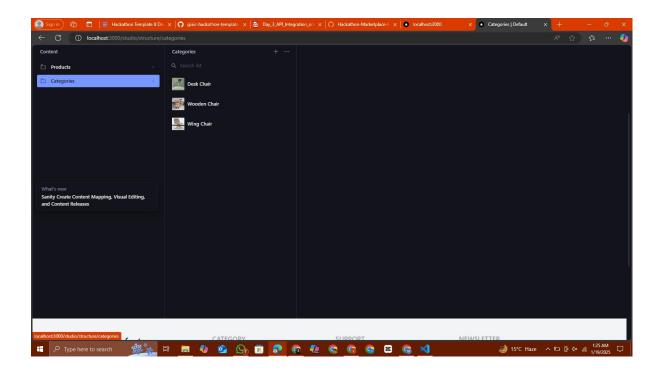
When I run npm run migrate, so the data successfully fetch in the terminal.

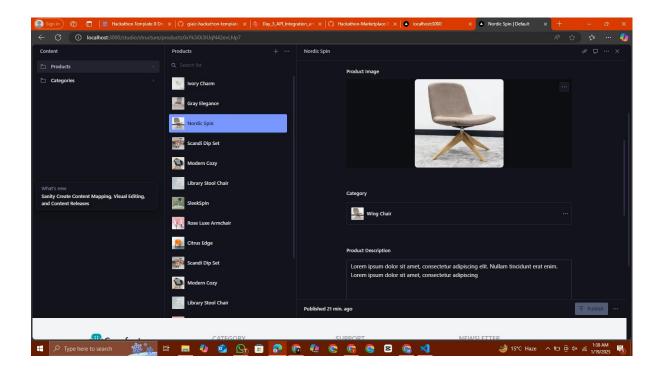




• The output was seamlessly rendered in Sanity Studio and reflected on the frontend.







Day 3 Checklist: Self-Validation Checklist:

□ API Understanding: ✓

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

#### What I learned:

Day 3 of the hackathon has been a transformative experience, teaching me the critical importance of API integration and data migration in modern web development. I gained hands-on experience in working with REST APIs, creating schemas in Sanity CMS, and developing scripts for seamless data transfer. This journey not only enhanced my technical skills but also highlighted the significance of efficient workflows, debugging, and real-time problem-solving in achieving project goals.