DAY_3 API INTEGRATION AND DATA MIGRATION

Objective:

- □ Integrate APIs within a Next.js application efficiently.
 □ Transfer data from external APIs to Sanity CMS seamlessly.
 □ Validate and synchronize schemas with data sources for consistency.
 □ Understand API integration strategies and their practical implementation.
 □ Learn the process of migrating data from APIs to a CMS.
 - ☐ Customize and validate Sanity CMS schemas for smooth data compatibility.

Migration Script:

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Sanity API Configuration:

- Connects to Sanity using a predefined dataset and project ID, authenticated via an API token.
- Sensitive data (project ID, dataset) stored in environment variables.

2. Data Retrieval from Sanity:

- Fetches content using GROQ queries.
- Retrieves product details like categories, descriptions, and pricing.

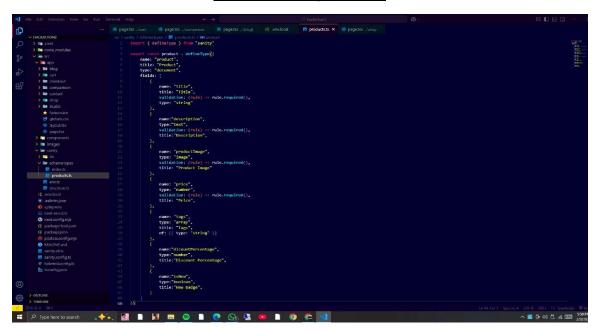
3. Data Mapping and Adjustment:

• Restructures fetched data to fit the application's schema.

4. Database Insertion:

- Inserts data into the database via REST API or commands.
 - Error handling ensures smooth migration.

Schema Page Code



Title: name of the product

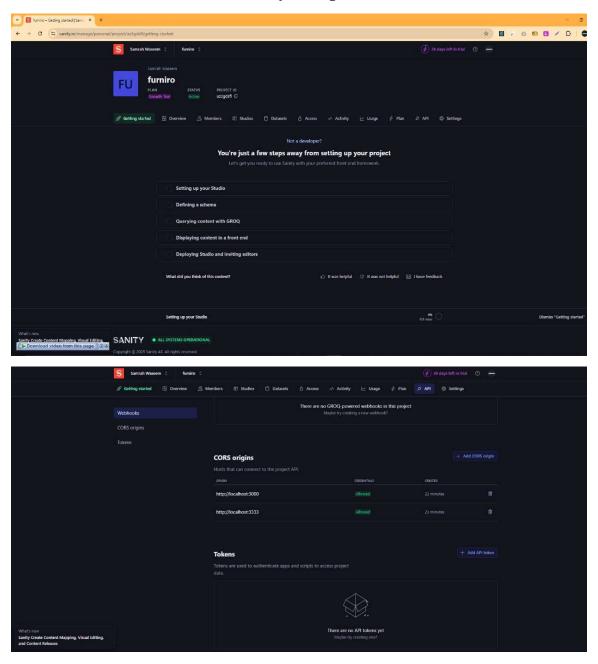
Description: detail of the products.

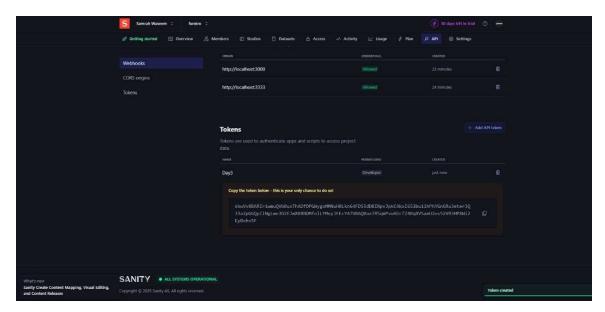
Product Image: field to save image of the products

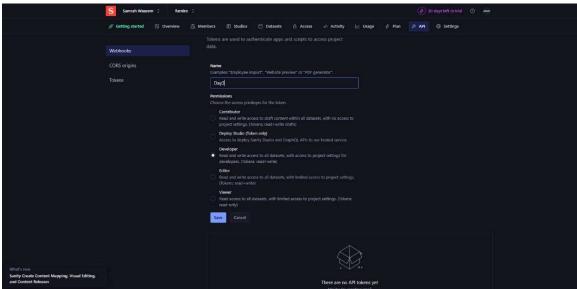
Price: field for the product cost

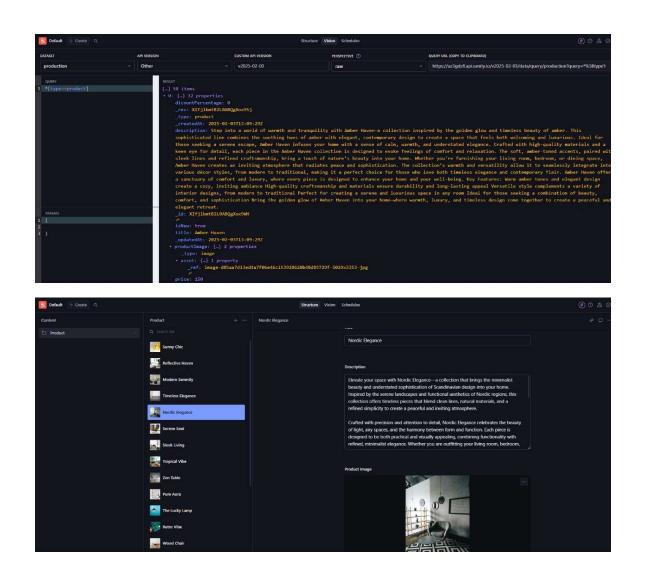
Tags: A unique name for products helps with searching and filtering products. Discount % represents the discount value as a percentage.

Sanity Output:

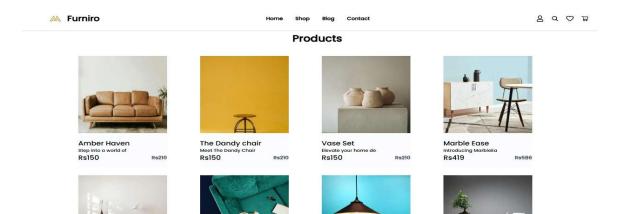








Fetch Products on UI



Day 3 completed successfully.

The API integration and data migration process were finished, which included setting up the schema, fetching data from Sanity, and implementing dynamic routing for the marketplace.