

API Integration Report

API Integration Steps:

1. Integrated **Product** and **Category APIs**:

- Endpoints:
 - **Products:** <https://giaic-hackathon-template-08.vercel.app/api/products>
 - **Categories:** <https://giaic-hackathon-template-08.vercel.app/api/categories>
- Fetched data from APIs using `fetch()` in the migration script.
- Validated the API responses to ensure they matched the schema fields in Sanity CMS.

2. Updated Sanity Schemas:

- Resolved field conflicts between manually created schema and API response.
- Modified fields in products and categories schemas to align with API structure:
 - **Products Schema Adjustments:**
 - Added `priceWithoutDiscount`, `badge`, `tags`, etc.
 - **Categories Schema Adjustments:**
 - Added `image` as a reference field for category images.
- Ensured proper relationships between products and categories.

3. Implemented Migration Script:

- Created `migrate.mjs` to automate data migration.
- Used the **Sanity client** to upload images and save product and category data.
- Defined the `.env.local` path explicitly for environment variables to avoid `.env` conflict.

Data Migration Steps:

1. Sanity Installation:

- Installed and initialized Sanity within the project.

2. Schema Setup:

- Created products.ts and categories.ts schemas to match API data.
- Imported schemas into index.ts for central management.

3. Environment Variables:

- Created a .env file to store Sanity credentials.
- Explicitly defined the .env file path in the migration script.

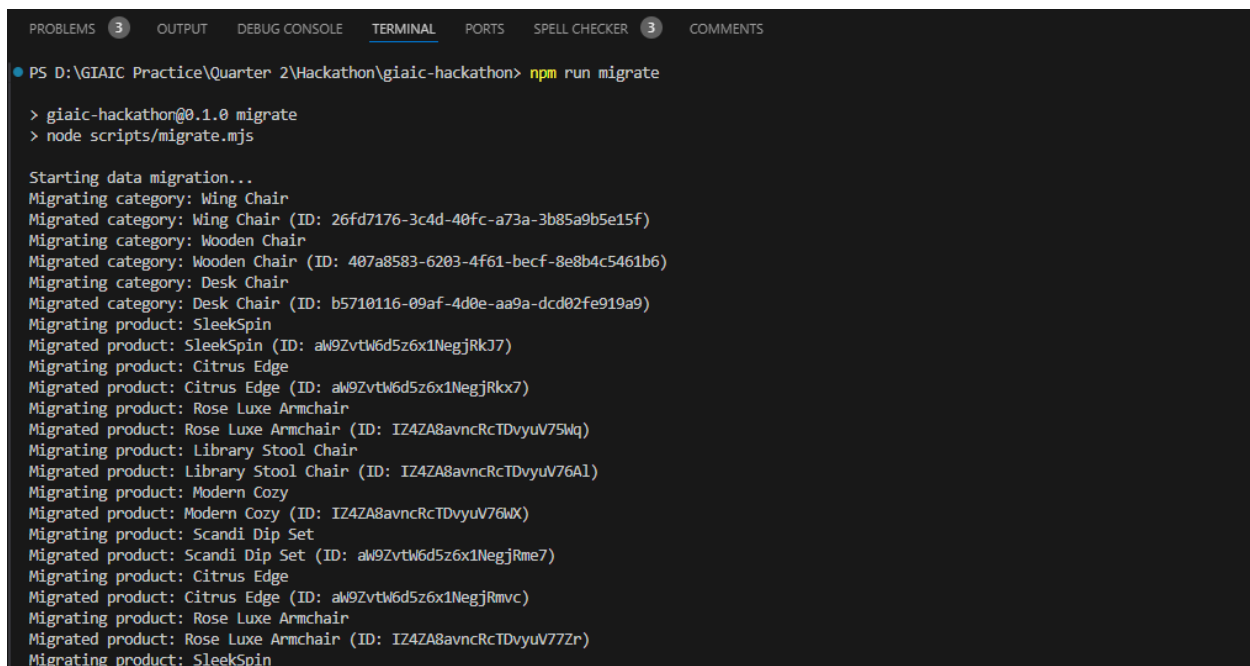
4. Migration Script:

- Developed migrate.mjs to fetch and upload data from APIs to Sanity.
- Adjusted schemas and mapped data fields to resolve conflicts.
- In Package.json added a new script named "migrate": "node scripts/migrate.mjs"

5. Executing the Script:

- Ran npm run migrate to transfer data.
- Verified that products and categories were populated in Sanity CMS.

2. Screenshots

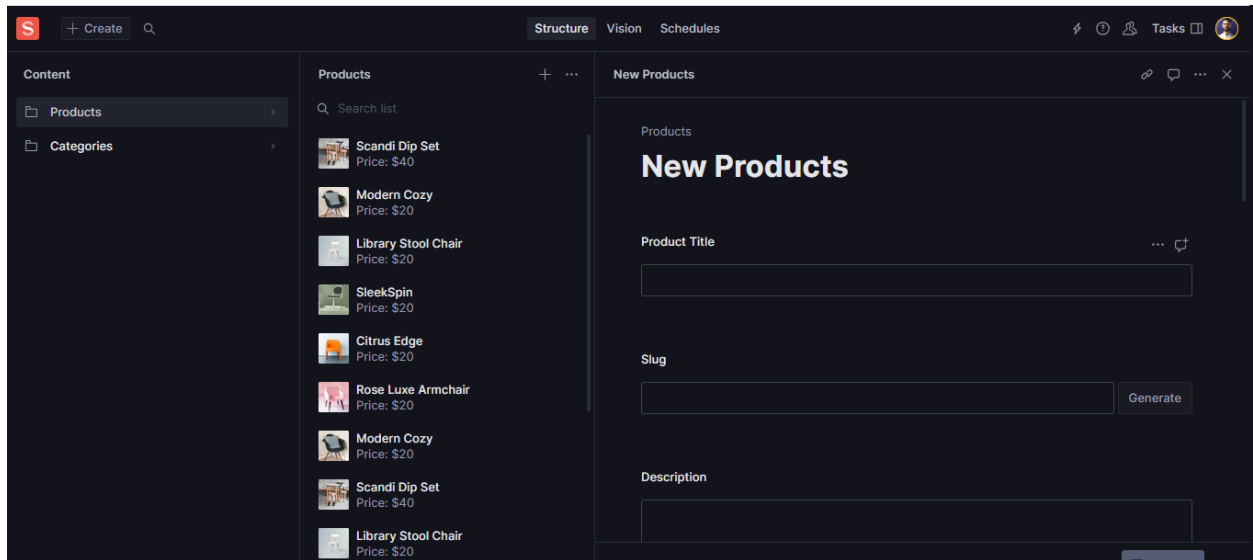


```
PROBLEMS 3 OUTPUT DEBUG CONSOLE TERMINAL PORTS SPELL CHECKER 3 COMMENTS
● PS D:\GIAIC Practice\Quarter 2\Hackathon\giaic-hackathon> npm run migrate

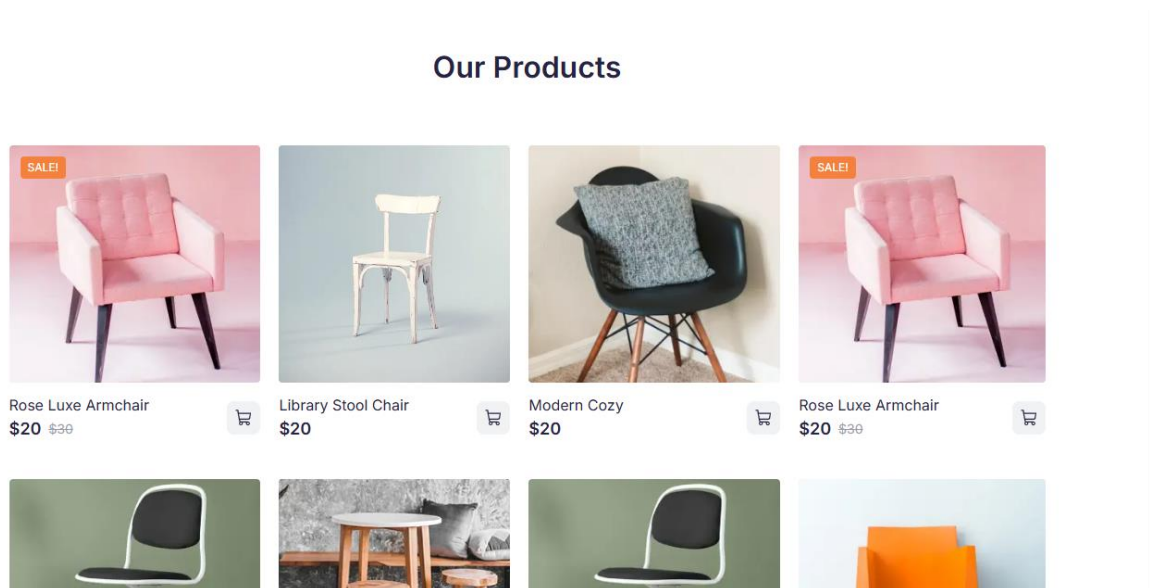
> giaic-hackathon@0.1.0 migrate
> node scripts/migrate.mjs

Starting data migration...
Migrating category: Wing Chair
Migrated category: Wing Chair (ID: 26fd7176-3c4d-40fc-a73a-3b85a9b5e15f)
Migrating category: Wooden Chair
Migrated category: Wooden Chair (ID: 407a8583-6203-4f61-becf-8e8b4c5461b6)
Migrating category: Desk Chair
Migrated category: Desk Chair (ID: b5710116-09af-4d0e-aa9a-dcd02fe919a9)
Migrating product: SleekSpin
Migrated product: SleekSpin (ID: aW9ZvtW6d5z6x1NegjRkCJ7)
Migrating product: Citrus Edge
Migrated product: Citrus Edge (ID: aW9ZvtW6d5z6x1NegjRkx7)
Migrating product: Rose Luxe Armchair
Migrated product: Rose Luxe Armchair (ID: IZ4ZA8avncRcTDvyuV75Wq)
Migrating product: Library Stool Chair
Migrated product: Library Stool Chair (ID: IZ4ZA8avncRcTDvyuV76A1)
Migrating product: Modern Cozy
Migrated product: Modern Cozy (ID: IZ4ZA8avncRcTDvyuV76Wx)
Migrating product: Scandi Dip Set
Migrated product: Scandi Dip Set (ID: aW9ZvtW6d5z6x1NegjRme7)
Migrating product: Citrus Edge
Migrated product: Citrus Edge (ID: aW9ZvtW6d5z6x1NegjRmvc)
Migrating product: Rose Luxe Armchair
Migrated product: Rose Luxe Armchair (ID: IZ4ZA8avncRcTDvyuV77Zr)
Migrating product: SleekSpin
```

a. Sanity Screenshot:



b. Frontend Screenshots:



Challenges Faced:

- Resolved .env.local conflict by explicitly specifying the .env path in the script.
- Adjusted Sanity schemas to match API data fields.
- Handled image uploads and mapped categories properly.

Decisions Made:

- Used .env for compatibility with the migration script.
- Updated schemas to resolve field conflicts.