Day 3 - API Integration Report - [Hekto Marketplace Name]

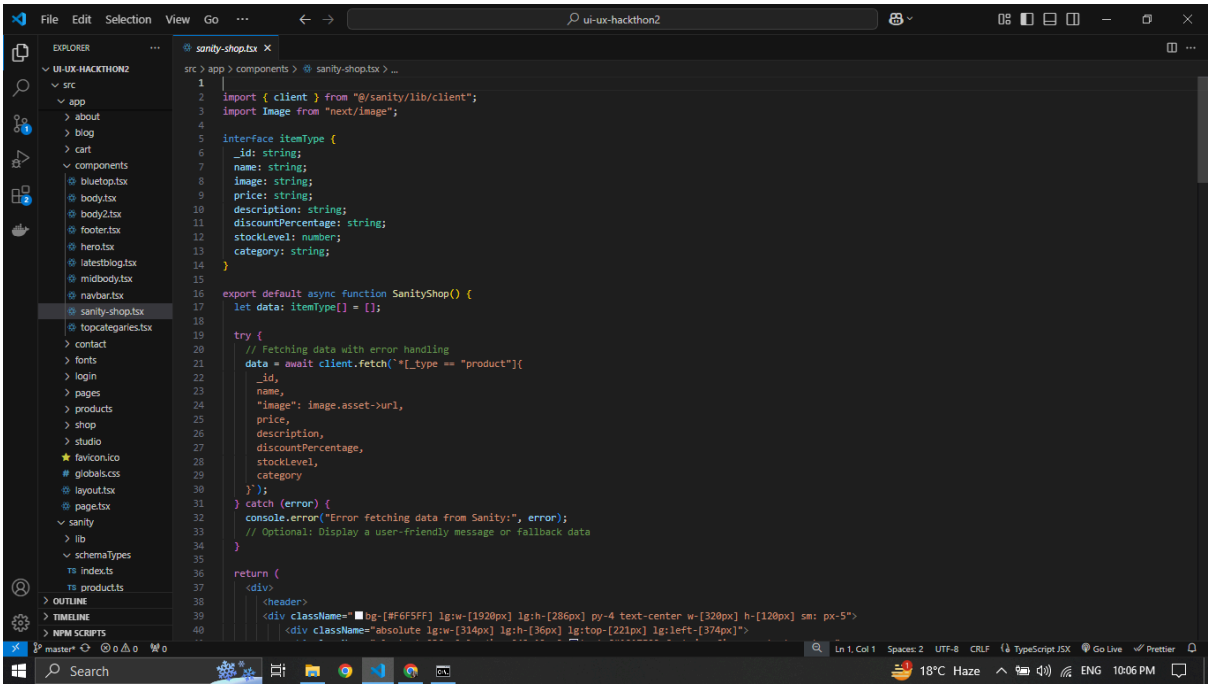
API Integration Process

1. Understanding the Provided API

- **API Documentation:**
  - I reviewed the API documentation to understand the available endpoints and their response structures.
  - Example Endpoint: `/api/products` for fetching product data.
- **Tools Used:**
  - **Postman:** Tested API endpoints to verify responses and check for errors.
  - **Browser Developer Tools:** Validated API calls and responses directly in the application.
- **Key Findings:**
  - The API returned product data including `id`, `name`, `description`, `price`, and `image` fields.

2. API Integration Steps

- **Utility Function:** I created a utility function to fetch data from the API:



Frontend Integration:

- Implemented a product listing component in the frontend to display the fetched data.
- Used Tailwind CSS for styling and ensured responsive design.

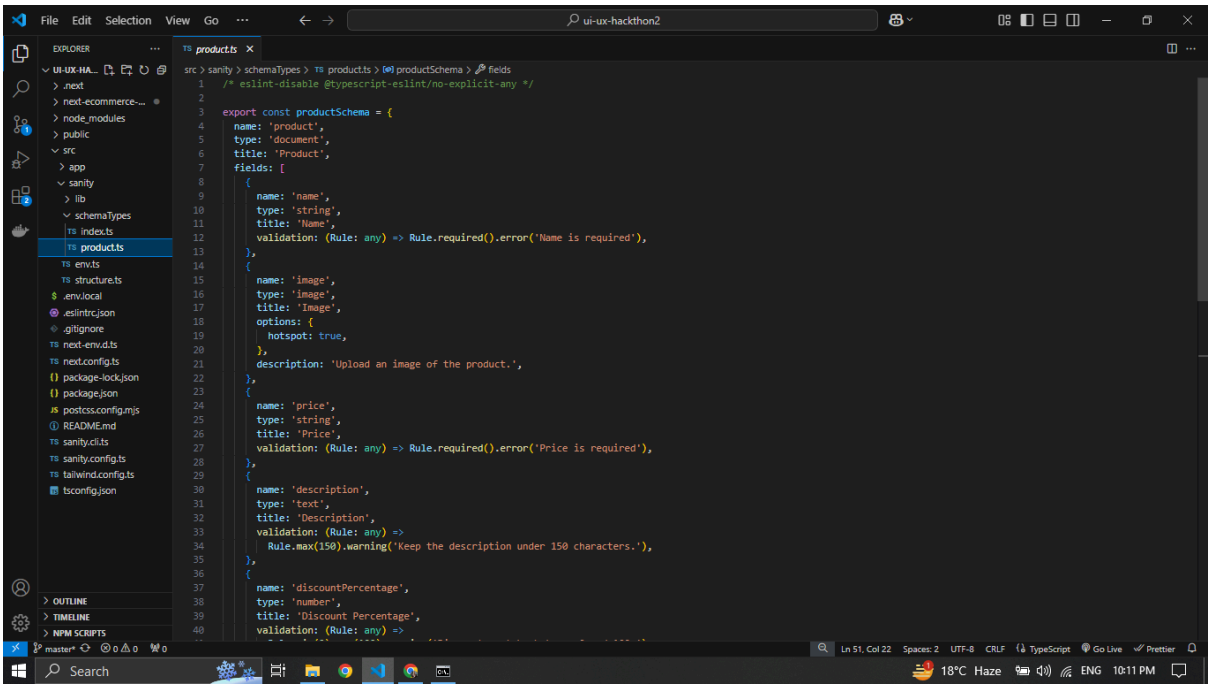
Adjustments Made to Schemas

1. Understanding Schema Requirements

- **Provided API Data:**
  - Example field from the API: `product_title`.
- **Sanity Schema Field:**
  - Adjusted field name to `name` in the Sanity schema for consistency.

2. Schema Modifications

- Modified `product` schema in Sanity:



Reasoning:

- Adjusted field names for compatibility with API data.
- Ensured proper field types (`string`, `number`, `image`) for smooth migration.

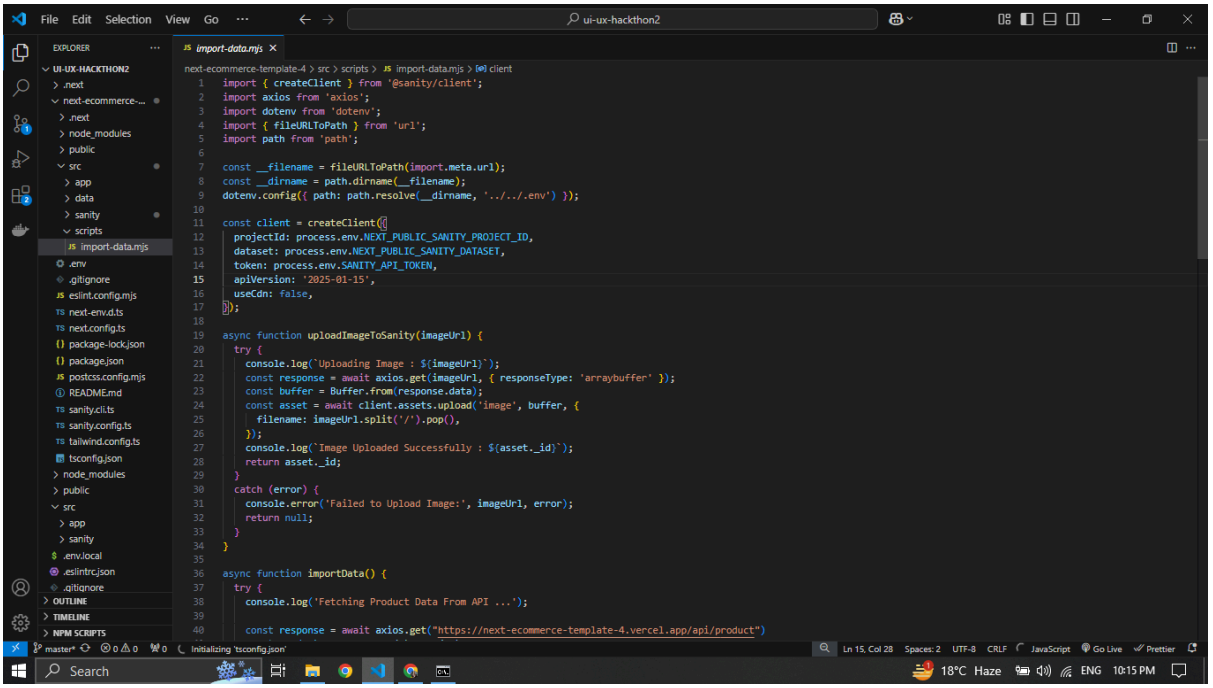
Migration Steps and Tools Used

1. Tools Used

- **Sanity CLI:** For setting up the project and importing data.
- **Custom Scripts:** Wrote scripts to transform and migrate API data into Sanity CMS

2. Migration Script

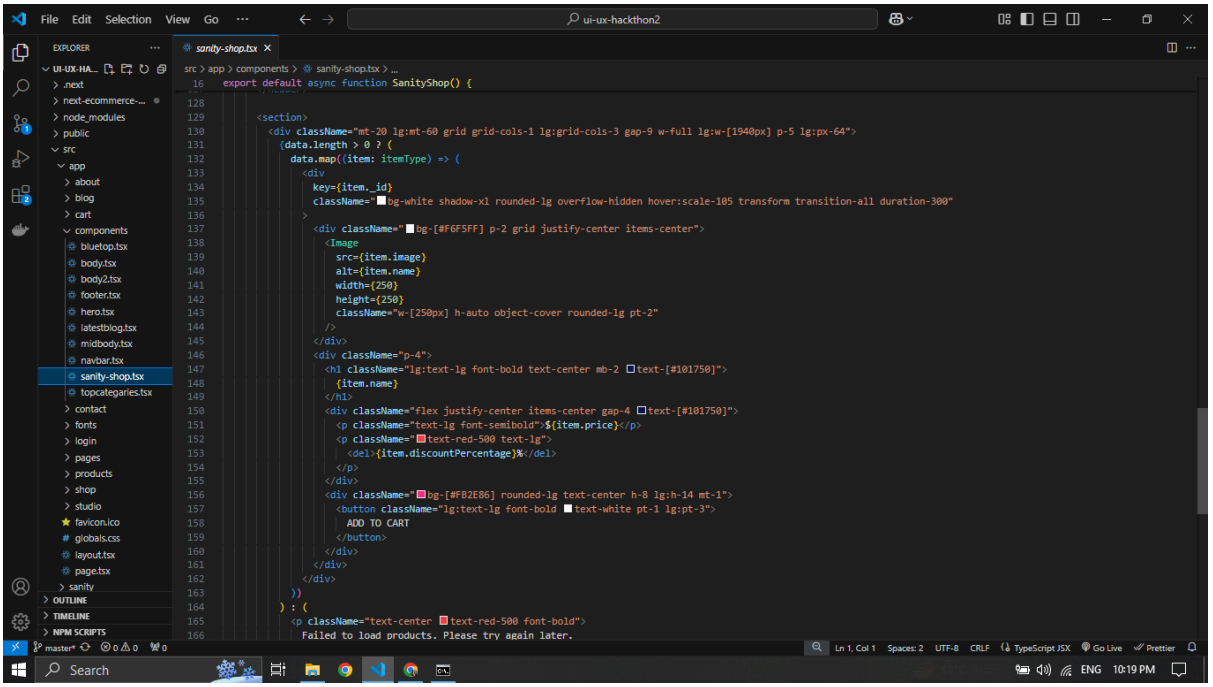
- Example migration script used to import API data:



3. Migration Process

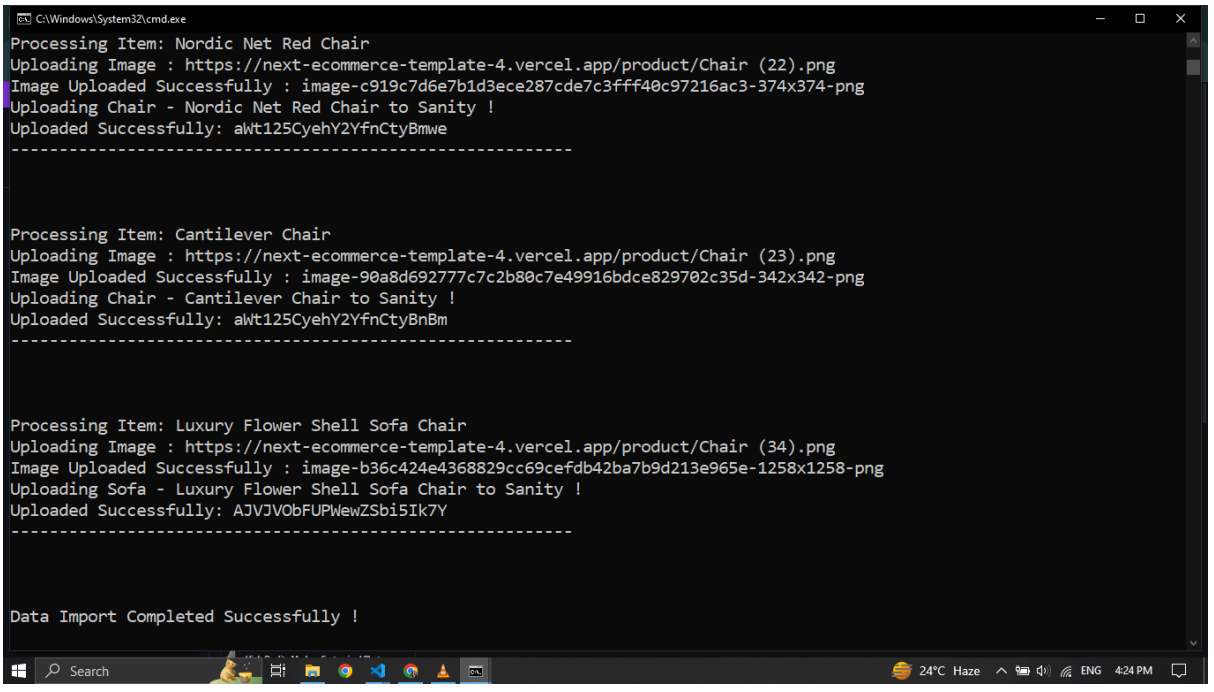
- Fetched data from the API.
- Transformed the data to match the Sanity schema.
- Imported data into Sanity CMS using the migration script.

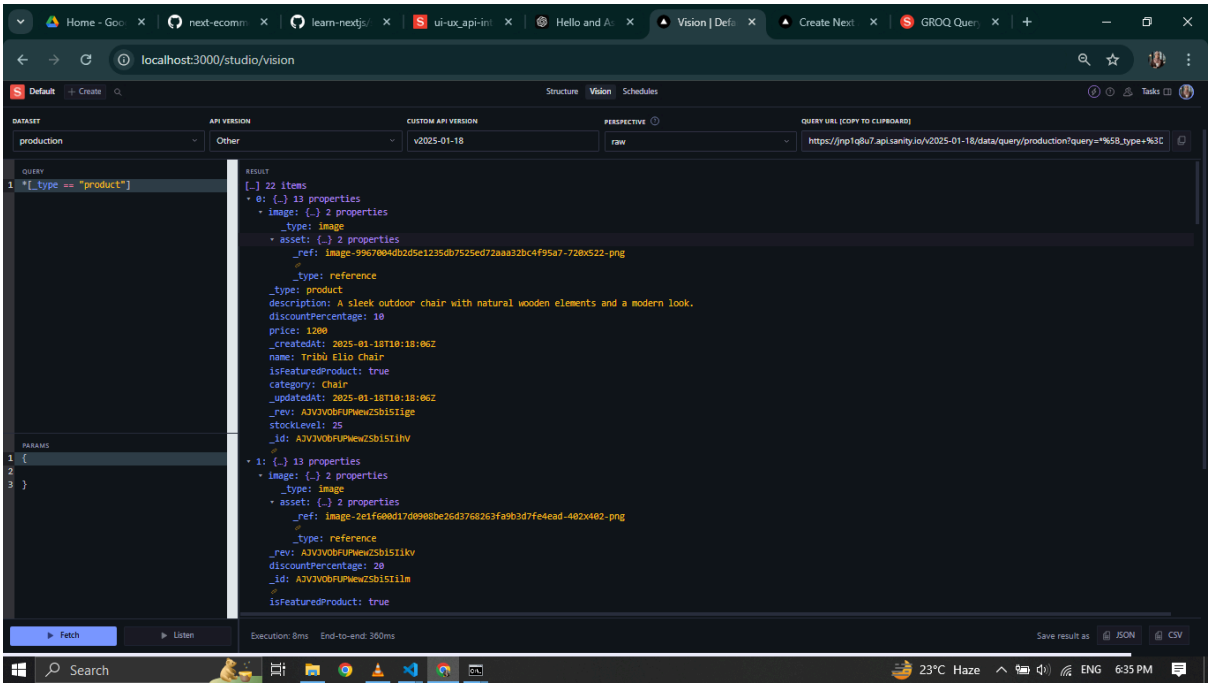
Frontend Product Display Code:



Screenshots

- **API Calls:** Include screenshots from Postman or browser developer tools.
- **Frontend Display:** Show products displayed on the frontend.
- **Sanity CMS:** Capture populated fields in the Sanity dashboard.

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API VERSION
Other
CUSTOM API VERSION
v2025-01-18
PERSPECTIVE
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QUERY URL (COPY TO CLIPBOARD)
QUERY
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PARAMS
RESULT
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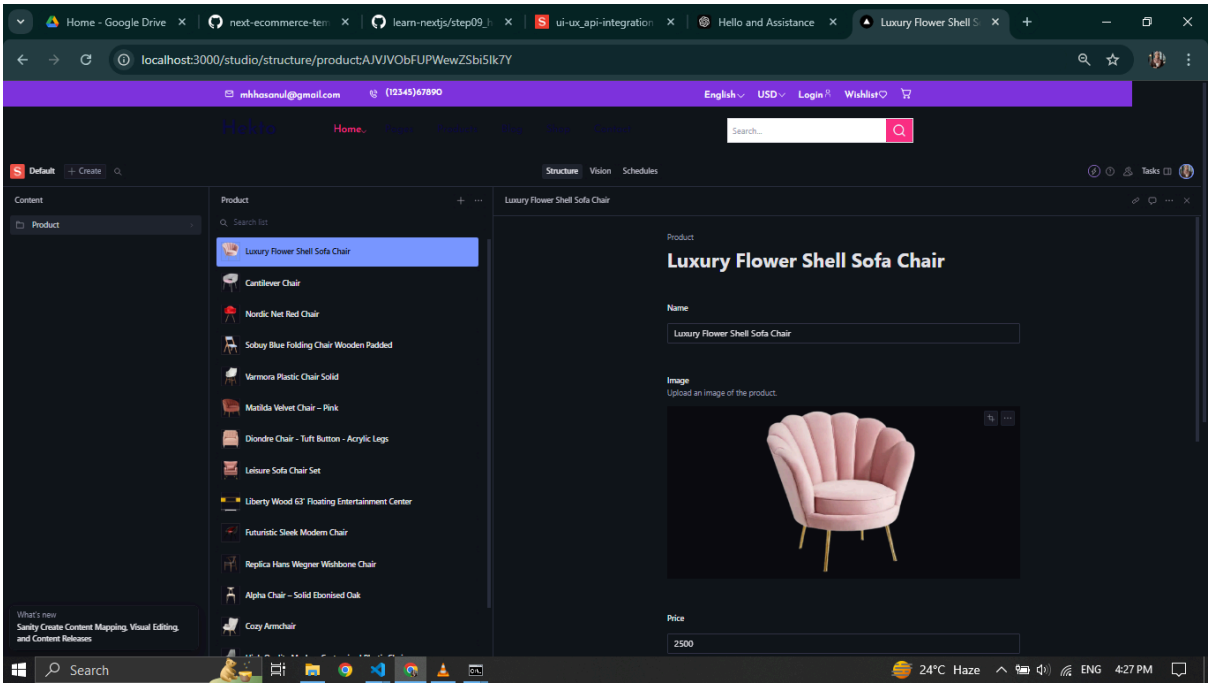
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Cantilever Chair
Nordic Net Red Chair
Sobuy Blue Folding Chair Wooden Padded
Varmora Plastic Chair Solid
Matilda Velvet Chair – Pink
Diondre Chair - Tuft Button - Acrylic Legs
Leisure Sofa Chair Set
Liberty Wood 63' Floating Entertainment Center
Futuristic Sleek Modern Chair
Replica Hans Wegner Wishbone Chair
Alpha Chair – Solid Ebonised Oak
Cozy Armchair
What's new
Sanity Create Content Mapping, Visual Editing, and Content Releases
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Luxury Flower Shell Sofa Chair
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Image
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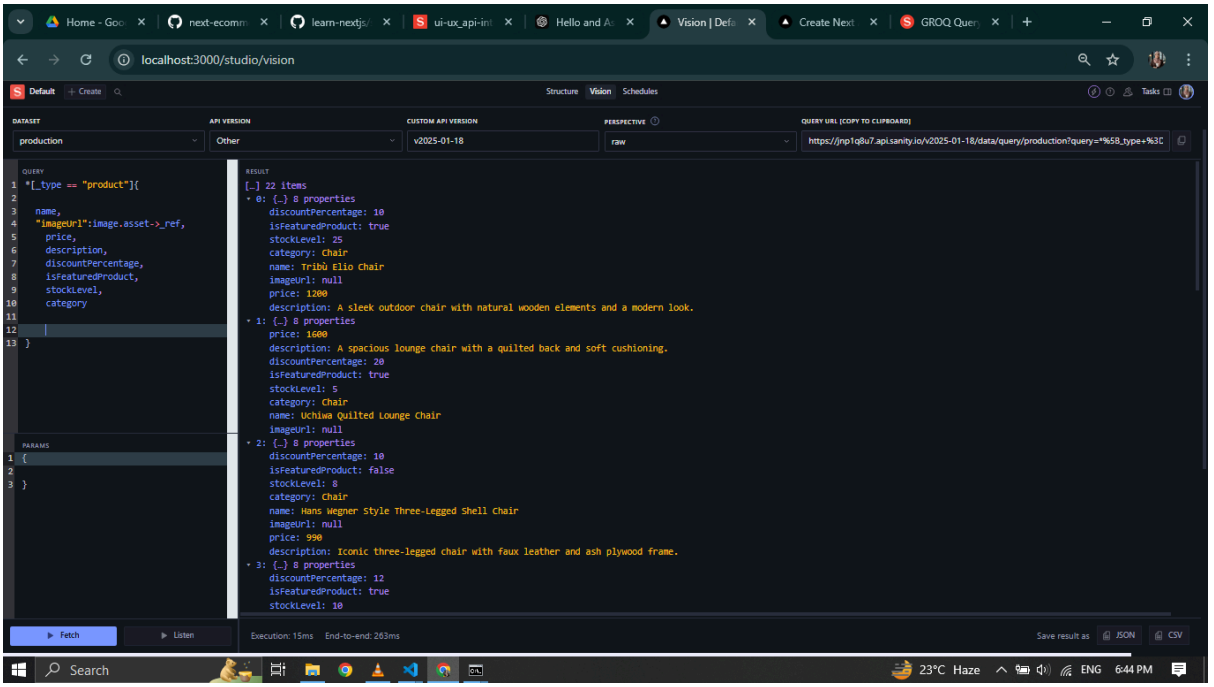

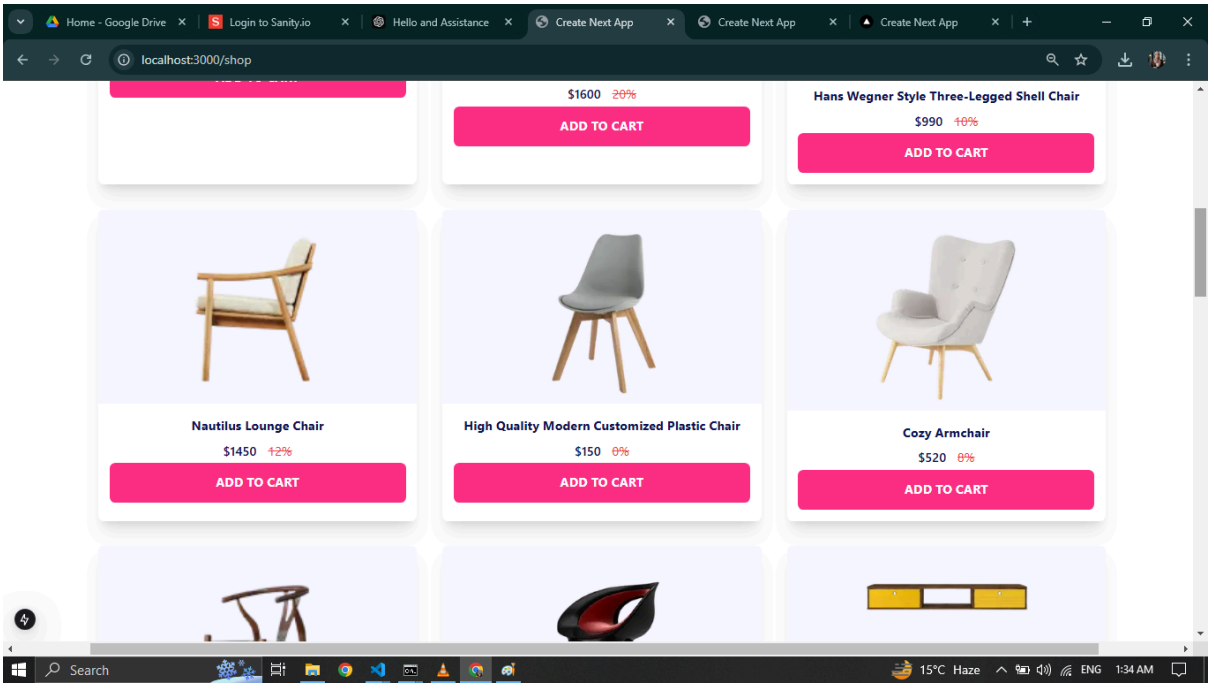

Conclusion

- The API integration and data migration tasks have been successfully completed.
- Data is now properly displayed on the frontend and managed in Sanity CMS.