Day 3 - API Integration and Data Migration Report

Marketplace Name: Furniture Hub (General-Ecommerce)
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1. API Integration Process:

API Overview

- **API Used:** [Template 0 API]
- **API Documentation:**
- **Key Endpoints Used:**
  - /products - Fetch product listings.
  - /categories - Fetch product categories.
  - /orders - Create new orders.

Steps for API Integration

1. **Review API Documentation:**
2. **Create Utility Functions:**
3. **Render Data in Components:**
4. **Error Handling:**

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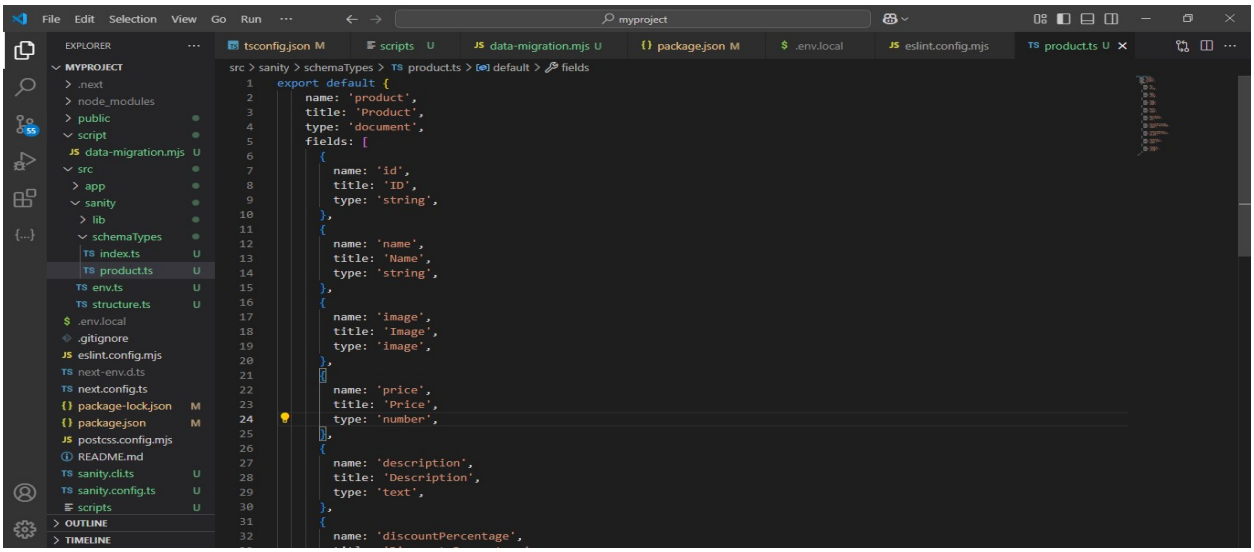
2. Schema:



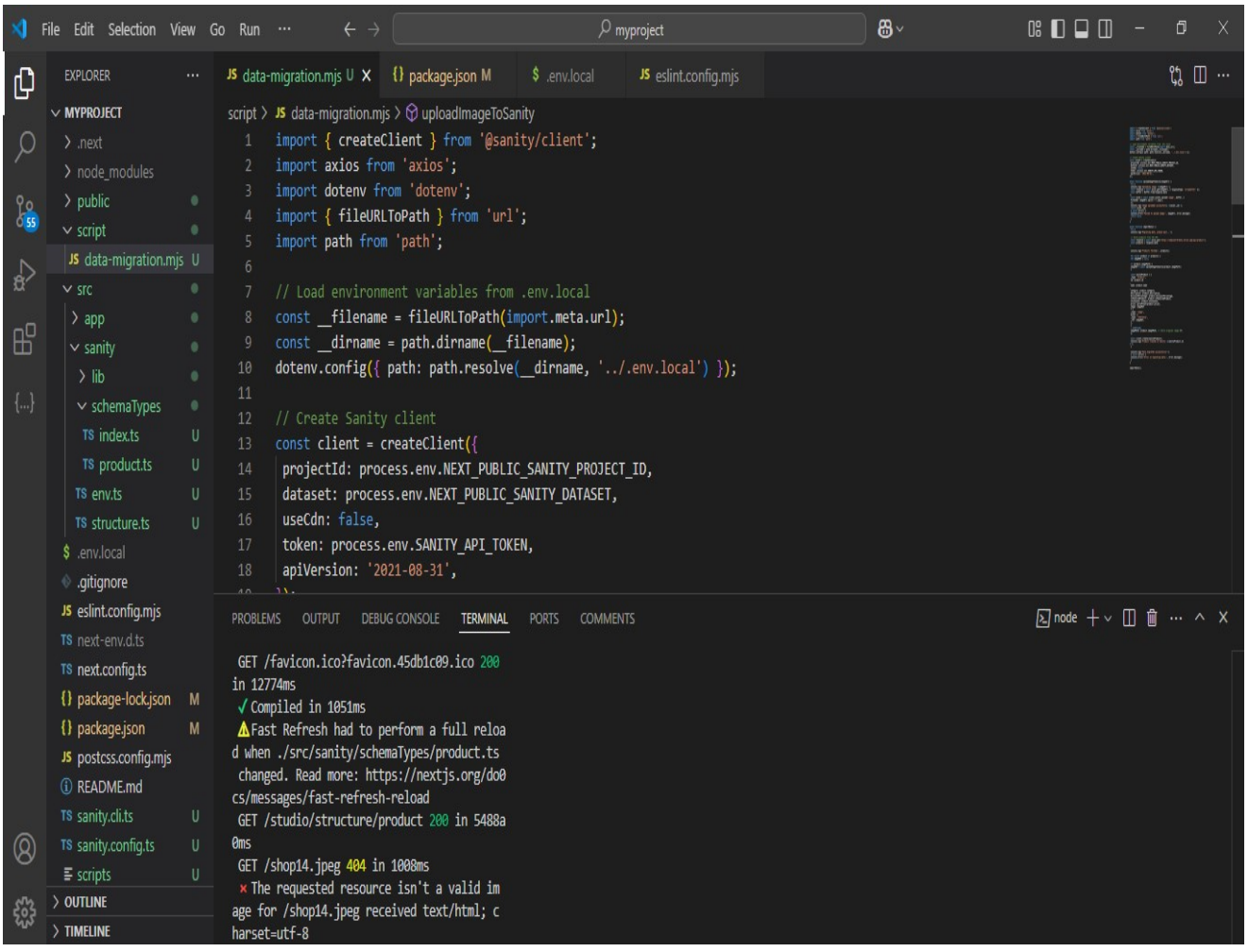
3. Data Migration Steps:

Migration Method

- **Method Used:** Script-based migration using the provided API.
- **Script Location:** [script/data-migration.mjs]

Steps for Data Migration

1. **Fetch Data from API:**
2. **Transform Data:**
3. **Upload Data to Sanity:**



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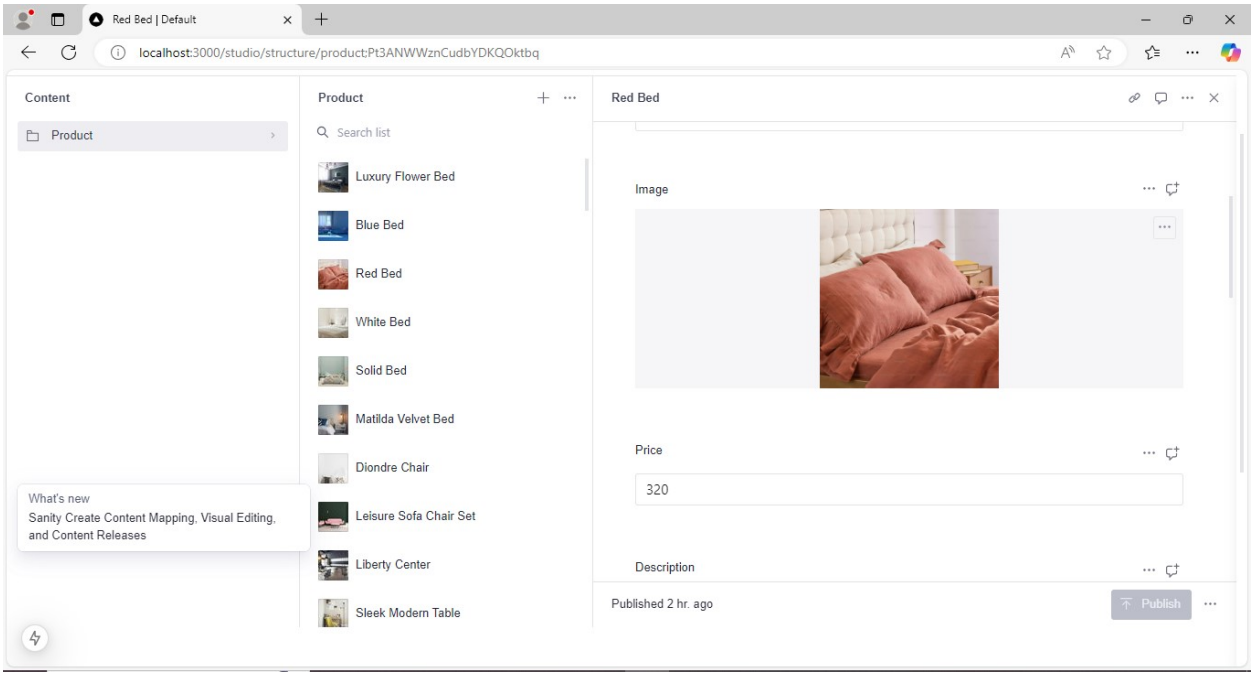
4. Sanity CMS



5. Self-Validation Checklist

Day 1: Business Focus Outcome Checklist:

Task	Status	Notes
Choose Marketplace Type	✓	Selected [General E-Commerce/Q-Commerce/Rental E-Commerce].
Define Business Goals	✓	Defined the problem, target audience, and unique value proposition.
Create Data Schema	✓	Drafted a schema with entities like products, orders, and customers.
Submit Business Goals & Schema	✓	Uploaded to the repository or shared on LinkedIn.

Day 2: Technical Planning Outcome Checklist:

Task	Status	Notes
Define Technical Requirements	✓	Outlined frontend, backend, and API requirements.
Design System	✓	Created a high-level diagram showing

Architecture		interactions between components.
Plan API Requirements	✓	Listed endpoints, methods, payloads, and responses.
Write Technical Documentation	✓	Documented system architecture, workflows, and API requirements.
Draft Sanity Schema	✓	Designed schemas for products, orders, and customers.
Submit Technical Documentation	✓	Uploaded to the repository.

Day 3: API Integration and Data Migration Checklist:

Task	Status	Notes
Understand Provided API	✓	Reviewed API documentation and identified key endpoints.
Validate and Adjust Schema	✓	Adjusted schema to match API fields.
Migrate Data	✓	Successfully migrated data using a script.
Integrate API in Next.js	✓	Integrated API data into frontend components.
Prepare Submission	✓	Documented all steps and included screenshots.

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7. Final Notes

- **Challenges Faced:**
  - Initially struggled with mapping API fields to Sanity schema.
  - Resolved by adding transformation logic in the migration script.
- **Key Learnings:**
  - Gained hands-on experience in API integration and data migration.
  - Improved understanding of Sanity CMS and Next.js.
- **Next Steps:**
  - Refine the frontend UI for better user experience.
  - Add more error handling for API calls.
