

Day #03 Hackathon 3

DAY 3 - API INTEGRATION AND DATA

MIGRATION

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Sunday 2 to 5

Final Report: Step1

1. Adding Sanity to the Project

I started by integrating Sanity CMS into my project.

2. Creating a New Token

- Created a new API token in the Sanity dashboard.
- Added the token to the .env.local file.

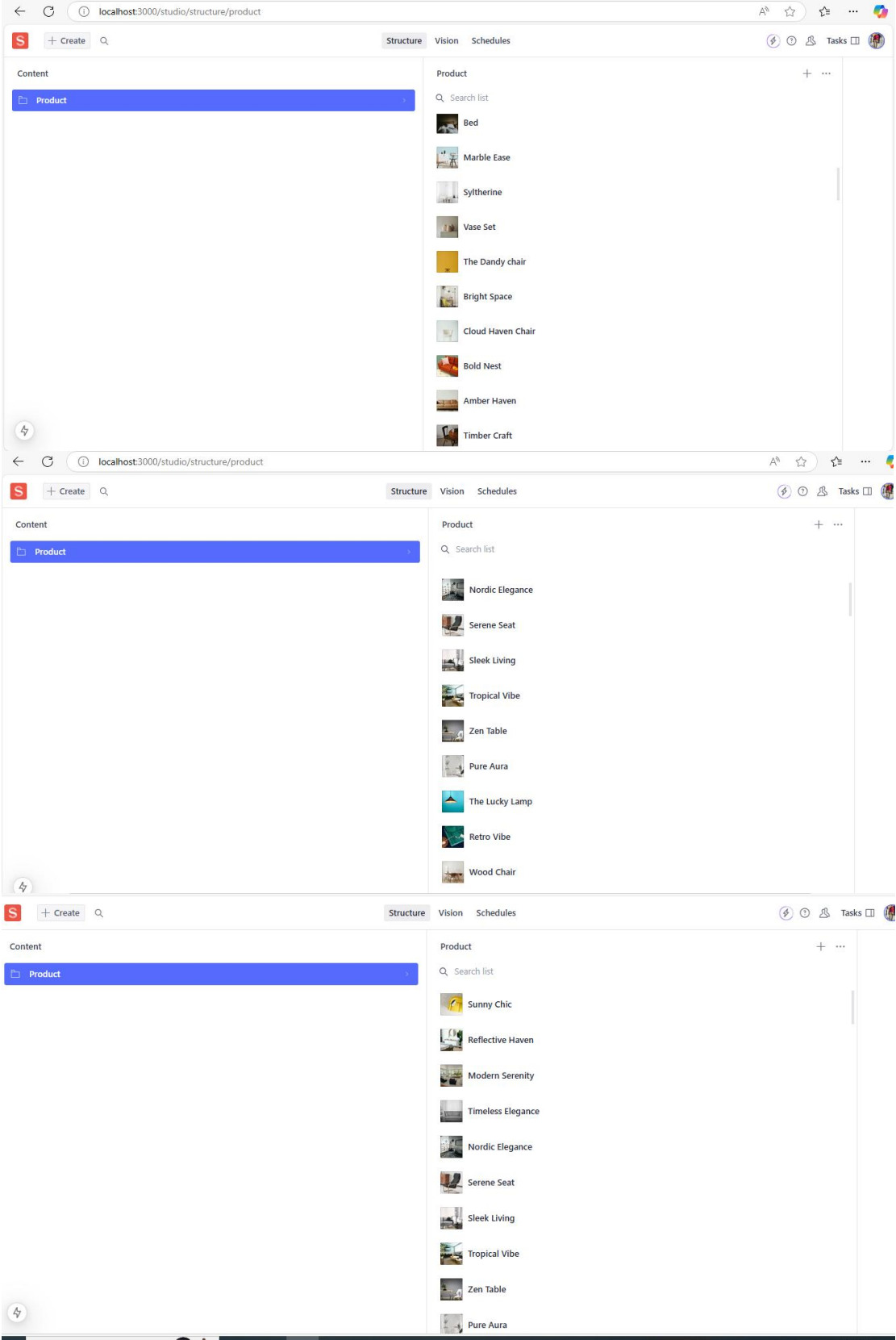
*3. Importing API Data

- Added the provided API to the main dataImport script for importing data into Sanity CMS.
- Adjusted the schema in:
 - sanity/schemaTypes
 - sanity/schemaTypes/product.ts

4. Running the Data Import Command

- Ran the npm run import-data command to upload the data to Sanity CMS successfully.

OUTPUT IMAGES:-



Step 2:- Frontend Data Display

1. Configuring the Sanity Client

The Sanity client was configured in `sanity/lib/client.ts` to connect with the Sanity CMS. Key parameters such as `projectId`, `dataset`, and `apiVersion` were defined to ensure proper integration. A secure token, stored in `.env.local`, was used to manage authentication securely, keeping sensitive information protected.

2. Fetching Data from Sanity

In `fetch.ts`, a `sanityFetch` function was created to execute queries and retrieve data from the Sanity CMS. This function provided flexibility with optional parameters and included logging for debugging fetched data.

3. File for Display on UI/UX

A `components` folder was created to handle UI/UX logic. Inside this folder, a new file (`main.tsx`) was added to render the fetched data. This file managed the display of products and categories by integrating the CMS data into Next.js components, ensuring an efficient and structured data flow to the frontend.


4. Final Output

The workflow was successfully implemented, starting with uploading data to the Sanity CMS. Products and categories were then fetched using the Sanity client and displayed on the frontend. This comprehensive setup enabled efficient API integration and frontend data rendering within the Next.js application.

OUTPUT-IMAGES:

Our Products


Our Best Products are Here



Rustic Vase Set
Bring the charm of nature into your home with the Rustic Vase Set. Perfect for those who appreciate ...
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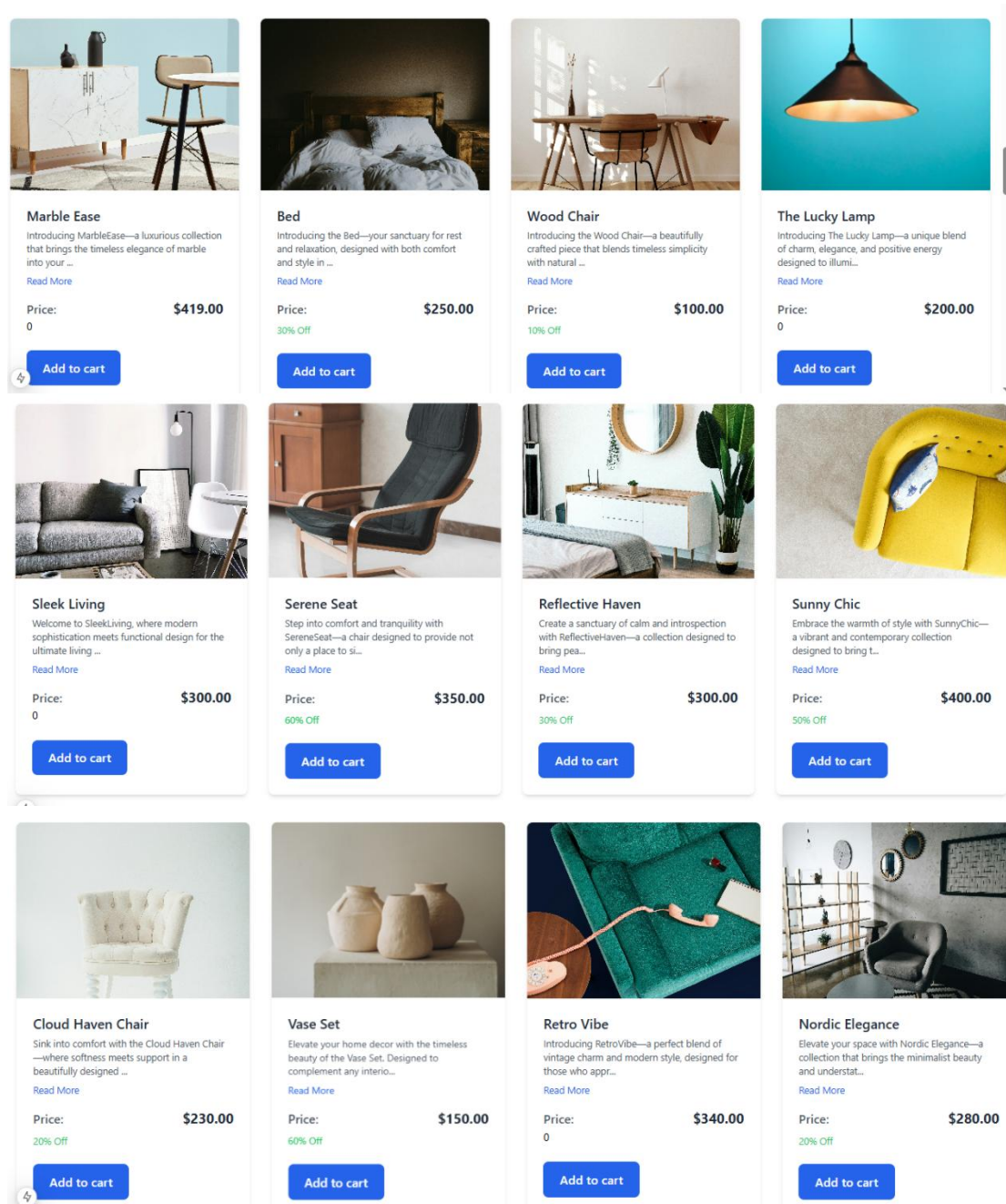
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Conclusion

Day 3 of the project focused on API integration and data migration, with tasks systematically carried out to achieve the desired results. Sanity CMS was successfully integrated into the project, and the provided API data was imported and displayed efficiently on UI/UX.