

HACKATHON DAY 3

Hackathon Day 3 Report: Integration of API Data into "Furniro" Marketplace

➤ Introduction

The goal of this task was to successfully integrate data from an external API into the "Furniro" Furniture Store project. The data was migrated to Sanity CMS, and the fetched data was displayed dynamically on the frontend using Next.js. This report documents the workflow, technical steps, challenges faced, and solutions implemented in the project.

Step 1: Understanding the API

To begin the integration process, the API endpoint provided was explored:

📁 API Endpoint: <https://template6-six.vercel.app/api/products>

API Exploration Process

- Tool Used: Postman was used to analyse the API, verify its functionality, and identify the required endpoints and data fields.
 - Endpoints Discovered:
 - /Products: Contains a list of furniture products.
 - /Categories: Lists product categories.
 - Fields Identified:
 - name: Product title.
 - price: Cost of the product.
 - description: Product description.
 - Additional fields like image and category.
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Step 2: Adjusting the Sanity CMS Schema

To ensure seamless integration, the Sanity CMS schema was updated to align with the fields provided by the API. This step involved mapping the API fields to corresponding schema fields in Sanity.

Schema Adjustments

API Field	Sanity Schema Field
product (title)	name
price	cost
description	description
image	image
category	category

Key Workflow for Sanity CMS:

- ✓ Generate Sanity Token:
 - A read/write token was created for secure communication between the project and Sanity CMS.
 - ✓ Migration of Data:
 - The API data was fetched using a script and uploaded to the Sanity CMS dataset.
 - Tools like Axios or Fetch API were used for seamless migration.
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Step 3: Fetching and Displaying Data on the Frontend

Once the data was successfully migrated to Sanity CMS, the next step was to dynamically fetch and display the data on the frontend.