

# Day 3 Api Integrations Reports

## Welcome to Comforty

**A one-stop furniture marketplace that offers ergonomic chairs, trendy stools, and luxurious sofas designed for comfort and style.**

## Project Overview:

### **What We Aim to Achieve:**

1. Comforty is built using **Next.js** for the frontend and **Sanity CMS** for managing product data.
2. The focus of this hackathon project is to integrate Sanity CMS for managing product listings effectively.
3. We aim to offer a smooth user experience with interactive filters for browsing different furniture types: chairs, stools, and sofas.

## Key Features:

- **Real-time data integration** using APIs for product and category details.
- **Seamless migration** of existing data into the Sanity CMS.
- **Attractive, responsive UI** that adapts to all devices.

# Import Data in Sanity

```
10  # Synchronizing from Sanity to Sanity
11  # Synchronizing from Sanity to Sanity
12
13  # Module: sanity, version: 1.0.0, name: sanity, version: 1.0.0
14
15  # Starting data migration...
16  Migrating category: Wing Chair
17  Migrated category: Wing Chair (ID: 269d7176-3c4d-40f1-a77a-3d8a8b6c1d7f)
18  Migrating category: Wooden Chair
19  Migrated category: Wooden Chair (ID: 407a9b83-4265-4761-bc1f-3d8a8b6c1d7f)
20  Migrating category: Desk Chair
21  Migrated category: Desk Chair (ID: 1c71d11a-8baf-4d8a-a4fa-3d8a8b6c1d7f)
22  Migrating product: SleekSpin
23  Migrated product: SleekSpin (ID: Y1H7M83v0Gzafw0qps07)
24  Migrating product: Citrus Edge
25  Migrated product: Citrus Edge (ID: Y1H7M83v0Gzafw0qps07)
26  Migrating product: Rose Lane Armchair
27  Migrated product: Rose Lane Armchair (ID: Y1H7M83v0Gzafw0qps07)
28  Migrating product: Library Steel Chair
29  Migrated product: Library Steel Chair (ID: uP953kyp08Mw0T2u0f0a)
30  Migrating product: Modern Cury
31  Migrated product: Modern Cury (ID: uP953kyp08Mw0T2u0f0a)
32  Migrating product: Scandi Slip Set
33  Migrated product: Scandi Slip Set (ID: uP953kyp08Mw0T2u0f0a)
34  Migrating product: Citrus Edge
35  Migrated product: Citrus Edge (ID: Y1H7M83v0Gzafw0qps07)
36  Migrating product: Rose Lane Armchair
37  Migrated product: Rose Lane Armchair (ID: uP953kyp08Mw0T2u0f0a)
38  Migrating product: SleekSpin
39  Migrated product: SleekSpin (ID: uP953kyp08Mw0T2u0f0a)
40  Migrating product: Library Steel Chair
41  Migrated product: Library Steel Chair (ID: uP953kyp08Mw0T2u0f0a)
42  Migrating product: Modern Cury
43  Migrated product: Modern Cury (ID: uP953kyp08Mw0T2u0f0a)
44  Migrating product: Scandi Slip Set
45  Migrated product: Scandi Slip Set (ID: uP953kyp08Mw0T2u0f0a)
46  Migrating product: Nordic Style
47  Migrated product: Nordic Style (ID: 3d8a8b6c1d7f-3c4d-40f1-a77a-3d8a8b6c1d7f)
48  Migrating product: Gray Elegance
49
50
```

ch

104 (col 75) | Sanity 1.0.0 | 10:00 | 10:00

24°C Haze

# Sanity Schema Overview

## 1 Product Schema Overview

```
import { defineType } from "sanity";

export const productSchema = defineType({
  name: "products",
  title: "Products",
  type: "document",
  fields: [
    { name: "title", title: "Product Title", type: "string" },
    { name: "price", title: "Price", type: "number" },
    { name: "priceWithoutDiscount", title: "Price without Discount", type: "number" },
    { name: "badge", title: "Badge", type: "string" },
    { name: "image", title: "Product Image", type: "image" },
    {
      name: "category",
      title: "Category",
      type: "reference",
      to: [{ type: "categories" }]
    },
    { name: "description", title: "Product Description", type: "text" },
    { name: "inventory", title: "Inventory Management", type: "number" },
    {
      name: "tags",
      title: "Tags",
      type: "array",
      of: [{ type: "string" }],
      options: {
        list: [
          { title: "Featured", value: "featured" },
          { title: "Follow products and discounts on Instagram", value: "instagram" },
          { title: "Gallery", value: "gallery" }
        ]
      }
    }
  ]
});
```

## 2:- Categories Schema Overview

```
1  const productSchema = {
2    name: "product",
3    type: "document",
4    title: "Product",
5    fields: [
6      {
7        name: "badge",
8        title: "Badge",
9        type: "string",
10       },
11     { name: "title", type: "string", title: "Title" },
12     { name: "price", type: "number", title: "Price" },
13     { name: "image", type: "image", title: "Image" },
14     { name: "stock", type: "number", title: "Stock" },
15     {
16       name: "slug",
17       type: "slug",
18       title: "Slug",
19       options: {
20         source: "title",
21         maxLength: 200,
22       },
23     },
24   ],
25 };
26
27 export default productSchema;
```



## Data Migration Process:-

- NEXT\_PUBLIC\_SANITY\_PROJECT\_ID="<Project ID>"
- NEXT\_PUBLIC\_SANITY\_DATASET="production"
- NEXT\_PUBLIC\_SANITY\_AUTH\_TOKEN="<Auth Token>"

## Migration Code:

```
import "dotenv/config";

// Import the Sanity client to interact with the Sanity backend
import { createClient } from "@sanity/client";

// Load required environment variables
const {
  NEXT_PUBLIC_SANITY_PROJECT_ID, // Sanity project ID
  NEXT_PUBLIC_SANITY_DATASET, // Sanity dataset (e.g., "production")
  NEXT_PUBLIC_SANITY_AUTH_TOKEN, // Sanity API token
  BASE_URL = "https://gialc-hackathon-template-08.vercel.app", // API base URL for products and categories
} = process.env;

// Check if the required environment variables are provided
if (!NEXT_PUBLIC_SANITY_PROJECT_ID || !NEXT_PUBLIC_SANITY_AUTH_TOKEN) {
  console.error("Missing required environment variables. Please check your .env.local file.");
  process.exit(1); // Stop execution if variables are missing
}

// Create a Sanity client instance to interact with the target Sanity dataset
const targetClient = createClient({
  projectId: NEXT_PUBLIC_SANITY_PROJECT_ID, // Your Sanity project ID
  dataset: NEXT_PUBLIC_SANITY_DATASET || "production", // Default to "production" if not set
  useCdn: false, // Disable CDN for real-time updates
  apiVersion: "2023-01-01", // Sanity API version
  token: NEXT_PUBLIC_SANITY_AUTH_TOKEN, // API token for authentication
});

// Function to upload an image to Sanity
async function uploadImageToSanity(imageUrl) {
  try {
```

# How Data is Displayed in Sanity Studio

## Diagram Breakdown:

- **Product Data Fields:**

- **Product Title:** Displayed as a text field.
- **Price:** Displayed as a number field.
- **Product Image:** Shown as an image field, where you can upload images for each product.
- **Category:** A reference to the categories schema. Clicking on this allows you to select a category for the product.
- **Inventory Management:** Displayed as a number field to track product stock.
- 



## **Category Data Fields:**

- **Category Title:** Displayed as a text field for naming the category.
- **Slug:** Shows the URL-friendly version of the category name.
- **Category Image:** A field to upload an image representing the category.



## Frontend Display of Product and Category Data

### Featured Products



Library Stool Chair  
\$39



Cesca Chair  
\$35



Slipper Chair  
\$69



Deco Chair  
\$22



### Top Categories



### Slipper Chair

99 € USD

Pour over craft beer jug drinking stronger live-edge  
gastronomy. Keytar nunchi sustainable fingerstache  
kekkerten. Lorem ipsum dolor sit amet consectetur  
adipiscing elit. Voluptate eugetetur a vertente paratur

1 2

Add to Cart

Total Stock: 9

Go to Cart

### Conclusion

*Comforty is now fully equipped with an efficient data management system using Sanity for handling products and categories.*

*Future developments can include integrating dynamic categories and more advanced filtering options.*