Hackathon day 3

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Monday 2 to 5

Marketplace Name

Comforty Ecommerce Website

Introduction:

Welcome to the hackathon day 3! Template number **8** in Figma. We are building **Comforty**, a chair marketplace. Previously, you've focused on developing the frontend. In this hackathon, we aim to extend functionality by integrating **Sanity** to manage product data efficiently.

Api Keys of template 08

https://giaic-hackathon-template-08.vercel.app/api/products

https://giaic-hackathon-template-08.vercel.app/api/categories

Step 1:

Create new nextjs project.for this command

(npx create-next-app .)

Step 2:

Install sanity studio for this command

npm create sanity@latest -- --template clean --create-project "Hackathon03" --dataset production

1. It will ask you the following questions.
    - Would you like to add configuration files for a Sanity project in this Next.js folder? Yes
    - Would you like an embedded Sanity Studio? Yes
    - Would you like to use the Next.js app directory for routes? Yes
    - What route do you want to use for the Studio? /studio
    - Select project template to use Clean project with no predefined schemas
    - Would you like to add the project ID and dataset to your .env file? Yes
2. Wait a bit for the installation process to complete. When get a Success!

Step 3: Run the Studio locally

npm run dev

This will start the next js project. Once the build is complete, you can head over to http://localhost:3000/studio. It will ask you to add the URL as a CORS origin. Click on Continue to open the Sanity management dashboard.

Step 4: Define Sanity Schema

Create two Schema files which name is product.ts and categories.ts.

```
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",
    },
    {
      title: "Price without Discount",
      name: "priceWithoutDiscount",
      type: "number",
    },
    {
      name: "badge",
      title: "Badge",
      type: "string",
    },
    {   name:"image",
        type:"array",
        title:"Product Images",
        of:[{type:'image'}]
    },
    {
      name: "category",
      title: "Category",
      type: "reference",
      to: [{ type: "categories" }],
    },
    {
      name: "description",
      title: "Product Description",
      type: "string",
    },
    {
      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",
```

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

export const categorySchema = defineType({
    name: 'categories',
    title: 'Categories',
    type: 'document',
    fields: [
        {
            name: 'title',
            title: 'Category Title',
            type: 'string',
        },
        {
            name: 'image',
            title: 'Category Image',
            type: 'image',
        },
        {
            title: 'Number of Products',
            name: 'products',
            type: 'number',
        }
    ],
});
```

Step 4: : Import the Schema files in index.ts

- ***src/sanity/schemaTypes/index.ts***

```
import { type SchemaTypeDefinition } from "sanity";

import { productSchema } from "./products";

import { categorySchema } from "./categories";


export const schema: { types: SchemaTypeDefinition[] } = {
  types: [productSchema, categorySchema],
};
```

Step 5 : Data migration script

1 create env file for the script.

Like that NEXT_PUBLIC_SANITY_PROJECT_ID="<Project ID>" # Add your project Id

NEXT_PUBLIC_SANITY_DATASET="production"

NEXT_PUBLIC_SANITY_AUTH_TOKEN="<Auth Token>" # Add your token

2 create a folder which name is script and create file inside this folder whose name is migrate.mjs

3 Open `package.json` file and add the following code inside of scripts: "migrate": "node scripts/migrate.mjs"

4 Install the following package before running the script.

a. npm install dotenv

5 Now run the command npm run migrate

6 This will insert the data from the rest api to sanity studio .

Step 6 : Rest API endpoint for Details:

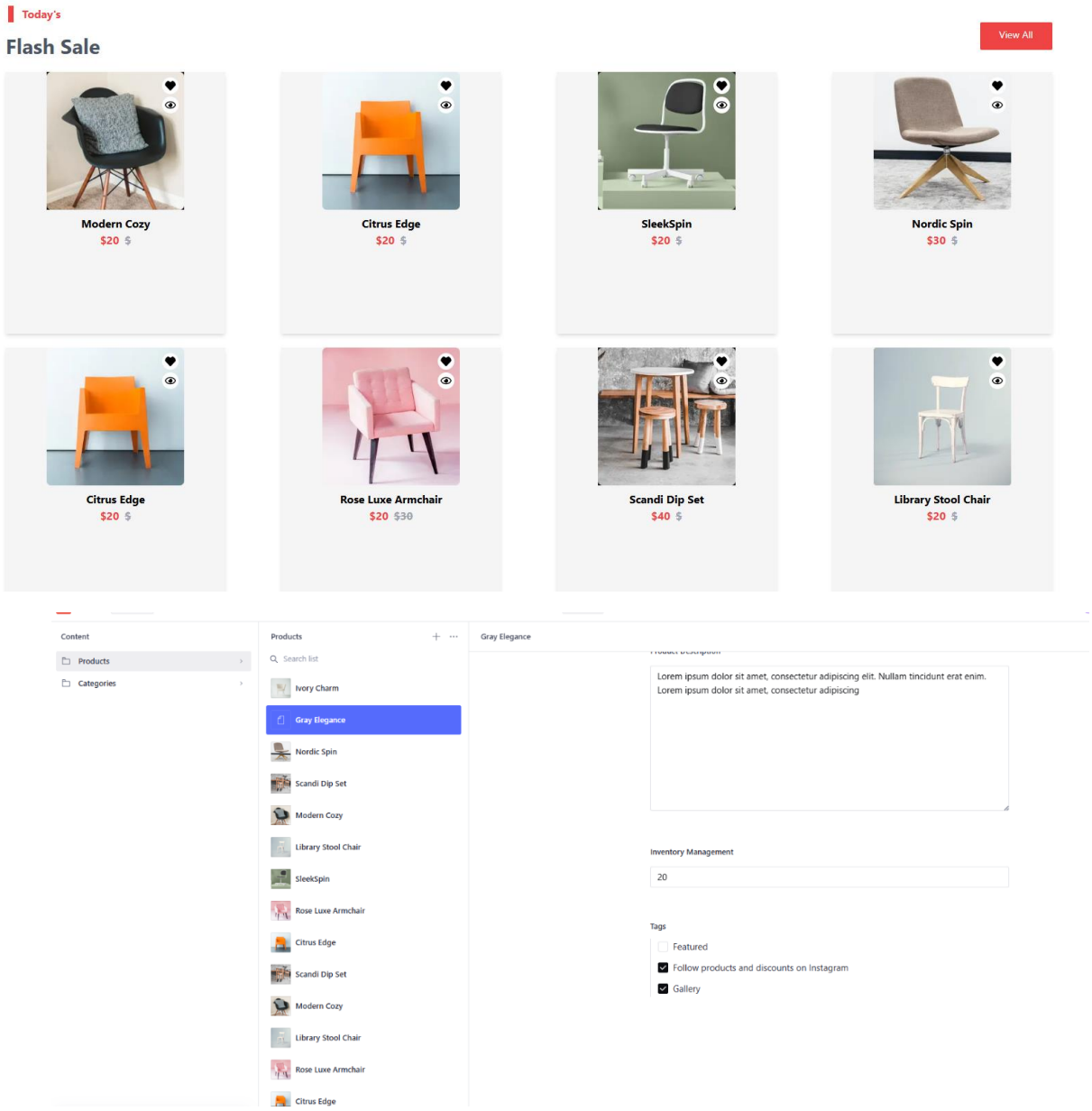
Products API

- **Endpoint:** https://giaic-hackathon-template-08.vercel.app/api/products

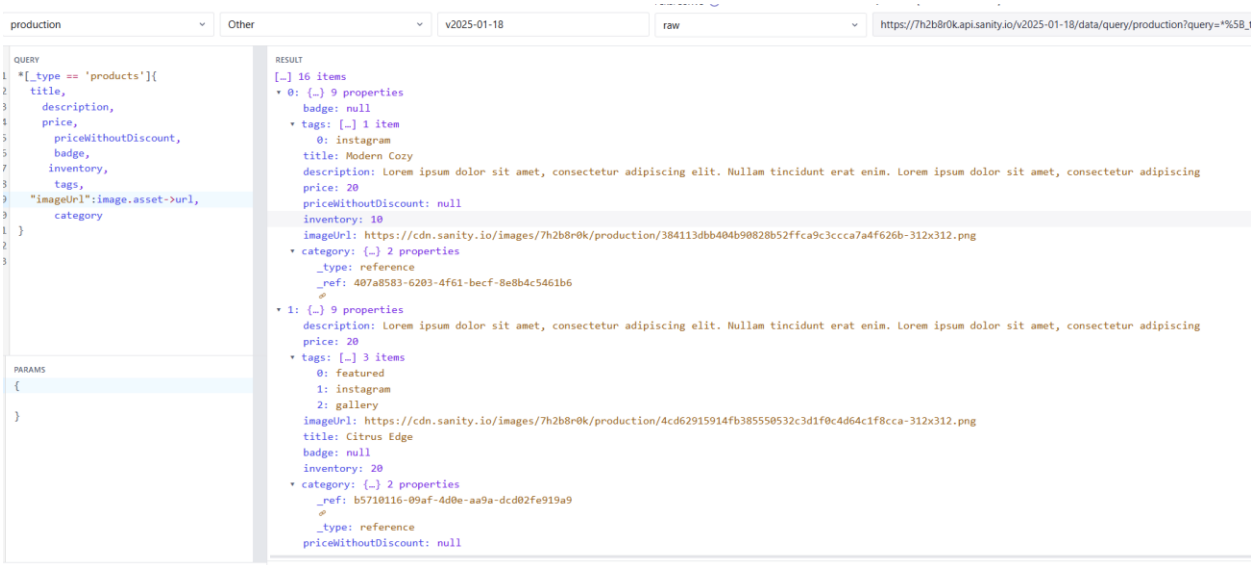
Categories API:

- **Endpoint:** https://giaic-hackathon-template-08.vercel.app/api/categories

Step 7: My progress show in this picture:



Step 8: GROG Query Pic


production
Other
v2025-01-18
raw
https://7h2b8r0k.api.sanity.io/v2025-01-18/data/query/production?query=*%5B_t
QUERY
*[_type == 'products']{
title,
description,
price,
priceWithoutDiscount,
badge,
inventory,
tags,
"imageUrl":image.asset->url,
category
}
PARAMS
{
}
RESULT
[…] 16 items
0: {…} 9 properties
badge: null
tags: […] 1 item
0: instagram
title: Modern Cozy
description: Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nullam tincidunt erat enim. Lorem ipsum dolor sit amet, consectetur adipiscing
price: 20
priceWithoutDiscount: null
inventory: 10
imageUrl: https://cdn.sanity.io/images/7h2b8r0k/production/384113dbb404b90828b52ffca9c3ccca7a4f626b-312x312.png
category: {…} 2 properties
_type: reference
_ref: 407a8583-6203-4f61-becf-8e8b4c5461b6
1: {…} 9 properties
description: Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nullam tincidunt erat enim. Lorem ipsum dolor sit amet, consectetur adipiscing
price: 20
tags: […] 3 items
0: featured
1: instagram
2: gallery
imageUrl: https://cdn.sanity.io/images/7h2b8r0k/production/4cd62915914fb385550532c3d1f0c4d64c1f8cca-312x312.png
title: Citrus Edge
badge: null
inventory: 20
category: {…} 2 properties
_ref: b5710116-09af-4d0e-aa9a-dcd02fe919a9
_type: reference
priceWithoutDiscount: null