

DAY 3

API INTEGRATION REPORT

GENERAL-E-COMMERCE

FURNITURE WEBSITE (SOFAS & CHAIRS)

Introduction to My Furniture E-Commerce Project

In the modern era, convenience and efficiency define the shopping experience, and my e-commerce furniture platform aims to deliver just that! Focused on providing customers with a seamless way to shop for **sofas and chairs**, this platform is designed to combine aesthetic appeal with functional excellence.

🛋️ **Core Features:**

- **Product Listings:** Users can explore a curated collection of stylish sofas and chairs, complete with high-quality images and detailed descriptions.
- **Responsive Design:** A mobile-friendly interface ensures a flawless browsing experience across devices.
- **Dynamic Pricing:** Features like discounts and real-time price updates enhance the user experience.
- **Search and Filters:** Easily find furniture by applying filters for price, material, color, and more.
- **Detailed Product Pages:** Each product page includes images, dimensions, ratings, and a description to guide purchasing decisions.

⚙️ **Technologies Used:**

The project leverages cutting-edge tools such as **Next.js** for the frontend, **Tailwind CSS** for styling, and **Sanity CMS** for content management. Payment integration and third-party APIs add functionality like real-time order tracking.

💡 **Objective:**

To redefine furniture shopping by offering a user-friendly, visually appealing, and efficient platform where customers can explore and purchase their ideal pieces with ease.

Sanity Integration in My Furniture E-Commerce Project

To streamline content management for my furniture e-commerce platform, I integrated **Sanity CMS**. The process involved setting up schemas for products content. Here's a quick overview of the steps:

```
C:\Windows\System32\cmd.exe
D:\code\hackathon-3>npm create sanity@latest
Need to install the following packages:
create-sanity@3.70.0
Ok to proceed? (y) y
You are logged in as khazra.ayub786@gmail.com using Google
Fetching existing projects

? Create a new project or select an existing one Create new project
? Your project name: Hackathon
Your content will be stored in a dataset that can be public or private, depending on
whether you want to query your content with or without authentication.
The default dataset configuration has a public dataset named "production".
? Use the default dataset configuration? Yes
? Creating dataset
? Would you like to add configuration files for a Sanity project in this Next.js folder? Yes
? Do you want to use TypeScript? Yes
? Would you like an embedded Sanity Studio? Yes
? What route do you want to use for the Studio? /studio
? Select project template to use Clean project with no predefined schema types
? Would you like to add the project ID and dataset to your .env.local file? Yes
Added http://localhost:3000 to CORS origins
Running 'npm install --legacy-peer-deps --save @sanity/vision@3 sanity@3 @sanity/image-url@1 styled-components@6'
npm WARN deprecated @sanity/block-tools@3.70.0: Renamed - use '@portabletext/block-tools' instead. '@sanity/block-tools' will no longer receive updates.

added 899 packages, changed 1 package, and audited 1335 packages in 3m

242 packages are looking for funding
  run `npm fund` for details

1 moderate severity vulnerability

To address all issues, run:
  npm audit fix --force

Run `npm audit` for details.

added 16 packages, and audited 1351 packages in 18s

242 packages are looking for funding
  run `npm fund` for details

1 moderate severity vulnerability
```

```
Run `npm audit` for details.

Success! Your Sanity configuration files has been added to this project



D:\code\hackathon-3>
```

Webhooks	
CORS origins	
Tokens	

CORS origins

Hosts that can connect to the project API.

+ Add CORS origin

ORIGIN	CREDENTIALS	CREATED	
http://localhost:3000	Allowed	10 minutes	
http://localhost:3333	Allowed	11 minutes	

KHAZRA AYUB

ROLL NO: 00239434

Khazra AyubHackathon

30 days left in trial

Getting startedOverviewMembersStudiosDatasetsAccessActivityUsagePlanAPISettings

Webhooks

CORS origins

Tokens

Tokens

Tokens are used to authenticate apps and scripts to access project data.

NAME	PERMISSIONS	CREATED
daythree	Developer	0 seconds

Copy the token below – this is your only chance to do so!

sk0g9ANarjouam8t3JqEAG2z5NtEHAXUHf74iSeDLhIKsy5FF6jtsG3FhzkByEka0fam27pGvCg7McmReV5qaL8NhYTK9BxUNrjIbJvDKU50mRR5pm6G8Ek8GbctPyMwvIH118KBuEpPYOHekm2UVi1vR3WgAIZb1TwCzHgZGI8fd14nOpX0

+ Add API token

File Edit Selection View Go ...hackathon-3

EXPLORER

HACKATHON-3

node_modules

public

src

app

components

lib

sanity

lib

schemaTypes

ts index.ts

ts products

ts env.ts

ts structure.ts

env.local

eslint.config

gitignore

components.json

next-env.d.ts

next.config.js

package-lock.json

package.json

postcss.config.js

README.md

sanity.d.ts

sanity.config.ts

tailwind.config.ts

tsconfig.json

src > sanity > schemaTypes > TS products

1 import { defineType } from "sanity";

2

3 export const product = defineType ({

4 name: 'product',

5 type: 'document',

6 title: 'Product',

7 fields: [

8 {

9 name: 'name',

10 type: 'string',

11 title: 'Name',

12 validation: (Rule: any) => Rule.required().error('Name is required'),

13 },

14 {

15 name: 'image',

16 type: 'image',

17 title: 'Image',

18 options: {

19 hotspot: true,

20 },

21 description: 'Upload an image of the product.',

22 },

23 {

24 name: 'price',

25 type: 'string',

26 title: 'Price',

27 validation: (Rule: any) => Rule.required().error('Price is required'),

28 },

29 {

30 name: 'description',

31 type: 'text',

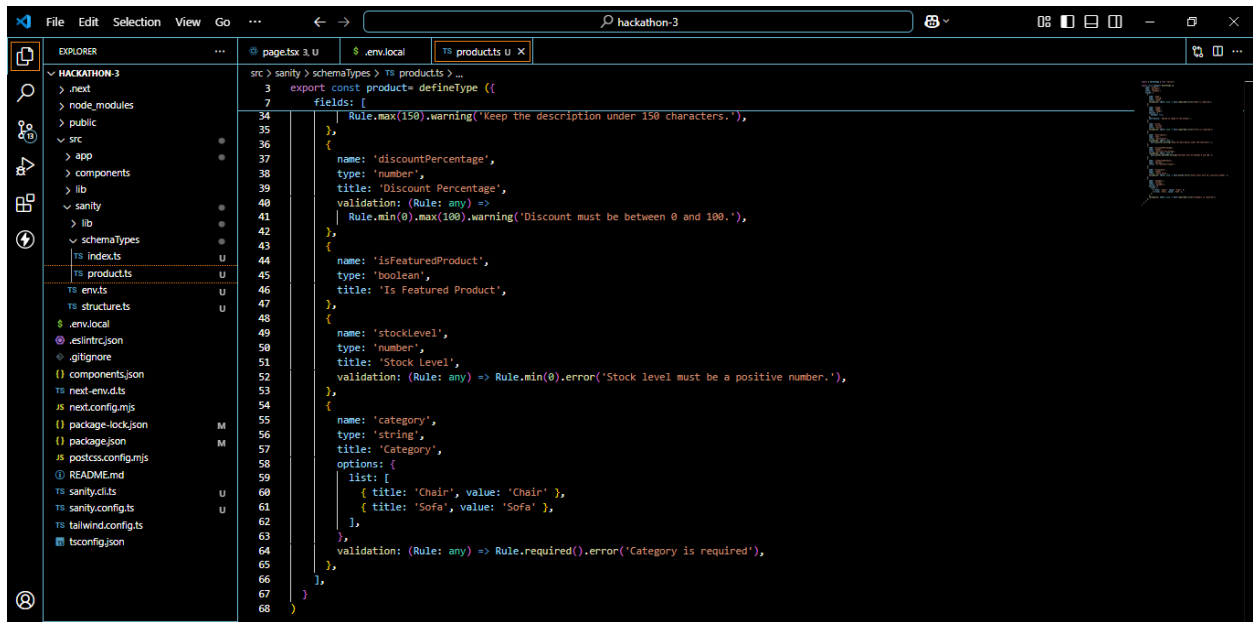
32 title: 'Description',

33 validation: (Rule: any) =>

34 | Rule.max(150).warning('Keep the description under 150 characters.'),

35 },

36],

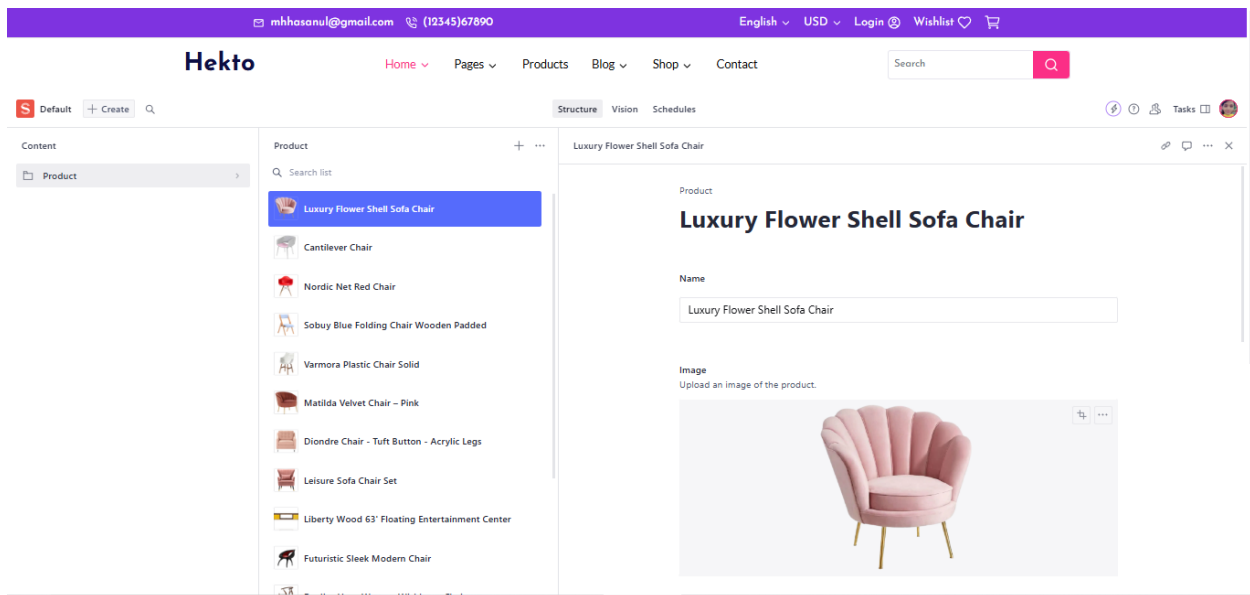
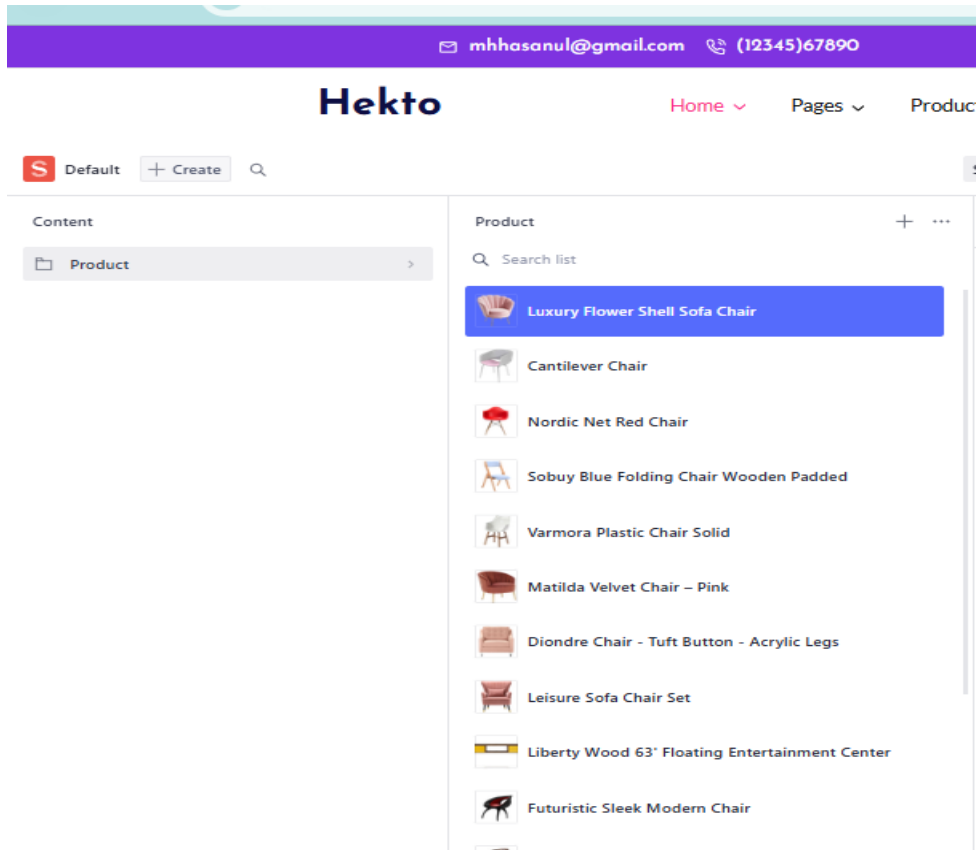


Why Sanity CMS?

Sanity CMS offers:

- Real-time collaboration.
- Customizable schemas.
- A user-friendly interface for managing product content like sofas and chairs.

By combining Sanity CMS with Next.js, my platform ensures smooth content management and scalability for future growth.



Default + Create Q Structure Vision Schedules

DATASET: production API VERSION: Other CUSTOM API VERSION: v2025-01-18 PERSPECTIVE: raw QUERY URL [COPY TO CLIPBOARD]: https://7lmnglx4.api.sanity.io/v2025-01-18/data/query/productic

QUERY: 1 *[type==product]

PARAMS: 1 { 2 3 }

RESULT: [] 52 items

- 0: { } 13 properties
 - stockLevel: 8
 - discountPercentage: 10
 - price: 990
 - _createdAt: 2025-01-18T15:04:43Z
 - isFeaturedProduct: false
 - category: Chair
 - _rev: 9pI3000PMKhFhzCfbU49vD
 - _type: product
 - name: Hans Wegner Style Three-Legged Shell Chair
 - _id: 9pI3000PMKhFhzCfbU49z0
 - _updatedAt: 2025-01-18T15:04:43Z
 - image: { } 2 properties
 - _type: image
 - asset: { } 2 properties
 - _ref: image-de34e83f199a2cc87924c721e88a3f6a7104e804-260x300-png
 - _type: reference
 - description: Iconic three-legged chair with faux leather and ash plywood frame.

Execution: 24ms End-to-end: 1743ms

Save result as JSON CSV

hackathon-3

EXPLORER: HACKATHON-3

- next
- node_modules
- public
- script
 - import-data.mjs
- src
 - app
 - components
 - lib
 - sanity
 - lib
 - schemaTypes
 - indexes
 - products
 - env.ts
 - structures
- env.local
- eslint.config
- gitignore
- components.json
- next-env.d.ts
- next.config.mjs
- package-lock.json
- package.json
- postcss.config.mjs
- README.md
- sanity.cli.ts
- sanity.config.ts
- tailwind.config.ts
- tsconfig.json

script: 1 import-data.mjs > token

```


1 import { createClient } from '@sanity/client';
2 import axios from 'axios';
3 import dotenv from 'dotenv';
4 import { fileURLToPath } from 'url';
5 import path from 'path';
6
7 const __filename = fileURLToPath(import.meta.url);
8 const __dirname = path.dirname(__filename);
9 dotenv.config({ path: path.resolve(__dirname, '../.env') });
10
11 const client = createClient({
12   projectId: '7lmnglx4',
13   dataset: 'production',
14   token: 'sk0g9ANarJouam8T33qEAG2z5NtEhXUHF741SeDLhIKsy5FF6jtsq3FhzKByEka0fAm27pGvCg7McmREV5qaL8NHytK9BxUNrJlDjVdkU50mR85pm6G8EK8GdctPyWv1H118',
15   apiVersion: '2025-01-15',
16   useCdn: false,
17 });
18
19 async function uploadImageToSanity(imageUrl) {
20   try {
21     console.log('Uploading Image : $(imageUrl)');
22     const response = await axios.get(imageUrl, { responseType: 'arraybuffer' });
23     const buffer = Buffer.from(response.data);
24     const asset = await client.assets.upload('image', buffer, {
25       filename: imageUrl.split('/').pop(),
26     });
27     console.log('Image Uploaded Successfully : $(asset._id)');
28     return asset._id;
29   } catch (error) {
30     console.error('Failed to Upload Image:', imageUrl, error);
31     return null;
32   }
33 }
34
35 async function importData() {
36   try {
37     console.log('Fetching Product Data From API ...');
38     const response = await axios.get('https://next-commerce-template.d-cdn61.san1d1.com/api/products');
39   } catch (error) {
40     console.error('Failed to Fetch Product Data:', error);
41   }
42 }

```

OUTLINE

TIMELINE

Product List




Hans Wegner Style Three-Legged Shell Chair
Chair
Iconic three-legged chair with faux leather and ash plywood frame.

Stock Available: **\$8**

Price: **\$990**

Discount: **\$10**




Nautilus Lounge Chair
Chair
A lounge chair with a shell-inspired design and premium upholstery.

Stock Available: **\$10**

Price: **\$1450**

Discount: **\$12**




Cozy Armchair
Chair
Compact armchair with a cozy design for small spaces.


Stock Available: **\$15**

Price: **\$520**


Discount: **\$8**












Leisure Sofa Chair Set












Varmora Plastic Chair Solid



Tribù Elio Chair

 <p>Leisure Sofa Chair Set Sofa</p> <p>A comfortable set of chairs with soft cushions for relaxation.</p> <p>Stock Available: \$6</p> <p>Price: \$1800</p> <p>Discount: \$18</p>	 <p>Yarmora Plastic Chair Solid Chair</p> <p>Durable and lightweight plastic chair for everyday use.</p> <p>Stock Available: \$100</p> <p>Price: \$100</p> <p>Discount: \$25</p>	 <p>Tribù Elio Chair Chair</p> <p>A sleek outdoor chair with natural wooden elements and a modern look.</p> <p>Stock Available: \$25</p> <p>Price: \$1200</p> <p>Discount: \$10</p>
 <p>Armchair Tortuga Chair</p> <p>An elegant armchair with plush cushions and a curved design for comfort.</p> <p>Stock Available: \$10</p> <p>Price: \$850</p> <p>Discount: \$0</p>	 <p>Stylish Golden Metal Legs Mint Blue Fabric Velvet Sofa Leisure Armchair Sofa</p> <p>A luxurious armchair with velvet fabric and golden metal legs.</p> <p>Stock Available: \$12</p> <p>Price: \$780</p> <p>Discount: \$0</p>	 <p>Matilda Velvet Chair - Pink Chair</p> <p>A vibrant pink velvet chair with a retro-inspired design.</p> <p>Stock Available: \$12</p> <p>Price: \$600</p> <p>Discount: \$15</p>
 <p>Luxury Flower Shell Sofa Chair Sofa</p> <p>A luxurious shell-shaped chair with gold brass metal legs.</p> <p>Stock Available: \$2</p> <p>Price: \$2500</p> <p>Discount: \$0</p>	 <p>Uchiwa Quilted Lounge Chair Chair</p> <p>A spacious lounge chair with a quilted back and soft cushioning.</p> <p>Stock Available: \$5</p> <p>Price: \$1600</p> <p>Discount: \$20</p>	 <p>Rapson Thirty-Nine Guest Chair Chair</p> <p>A mid-century modern chair with clean lines and durable materials.</p> <p>Stock Available: \$20</p> <p>Price: \$1300</p> <p>Discount: \$15</p>

 <p>High Quality Modern Customized Plastic Chair Chair</p> <p>A simple and lightweight chair ideal for dining or casual use.</p> <p>Stock Available: \$30</p> <p>Price: \$150</p> <p>Discount: \$0</p>	 <p>Alpha Chair - Solid Ebonised Oak Chair</p> <p>A sturdy oak chair with a sleek and minimalist design.</p> <p>Stock Available: \$18</p> <p>Price: \$900</p> <p>Discount: \$10</p>	 <p>Replica Hans Wegner Wishbone Chair Chair</p> <p>Classic wishbone chair with a dark walnut frame and cord seat.</p> <p>Stock Available: \$25</p> <p>Price: \$750</p> <p>Discount: \$10</p>
 <p>Futuristic Sleek Modern Chair Chair</p> <p>A modern chair with a carbon fiber frame and bold red accents.</p> <p>Stock Available: \$3</p> <p>Price: \$2000</p> <p>Discount: \$0</p>	 <p>Liberty Wood 63" Floating Entertainment Center Chair</p> <p>Versatile entertainment chair for modern interiors.</p> <p>Stock Available: \$7</p> <p>Price: \$1100</p> <p>Discount: \$8</p>	 <p>Diondre Chair - Tuft Button - Acrylic Legs Chair</p> <p>A tufted chair with acrylic legs for a chic, modern touch.</p> <p>Stock Available: \$10</p> <p>Price: \$720</p> <p>Discount: \$7</p>
 <p>Sobuy Blue Folding Chair Wooden Padded Chair</p> <p>A foldable wooden chair with a padded seat for extra comfort.</p> <p>Stock Available: \$30</p> <p>Price: \$120</p>	 <p>Nordic Net Red Chair Chair</p> <p>An acrylic dining chair with a sleek and minimalist Nordic design.</p> <p>Stock Available: \$20</p> <p>Price: \$320</p>	 <p>Cantilever Chair Chair</p> <p>A modern cantilever chair with a unique floating effect.</p> <p>Stock Available: \$5</p> <p>Price: \$760</p>

