Hackathon Functionality

Day 3

– API Integration Report – Bandge Furniture Website

➢ API integration process.

- ✓ I create a project in my sanity account.
- ✓ Create a token

➢ Adjustments made to schemas.

- ✓ Download sanity in my project folder.
- ✓ Store the ID , project (they saved by default) and token, version.
- ✓ I Create a schema for a product according to the provided API.
- ✓ Also given the path for image in next.config . mjs

➢ Migration steps and tools used.

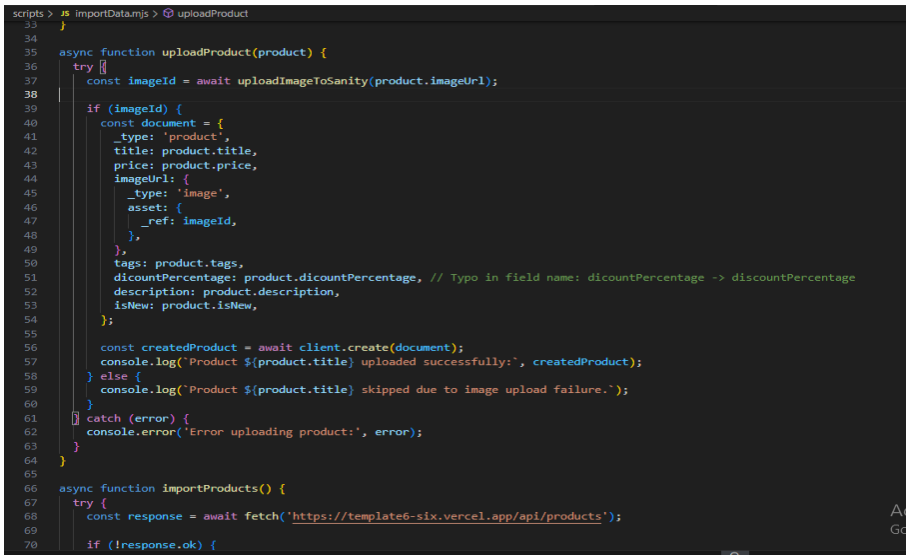
- ✓ **Create a importSanityData.mjs file in scripts folder and add function to integrate API in sanity project .**

- ✓ **In package.json add**
  - **“import-data” : “node script/importSanityData.mjs”**

- ✓ **After all the import steps for migrate API data in my projects , I run this command in my terminal**
  - **npm run import-data**

- ✓ **Make sure run the same name as you add in package .json dependencies**

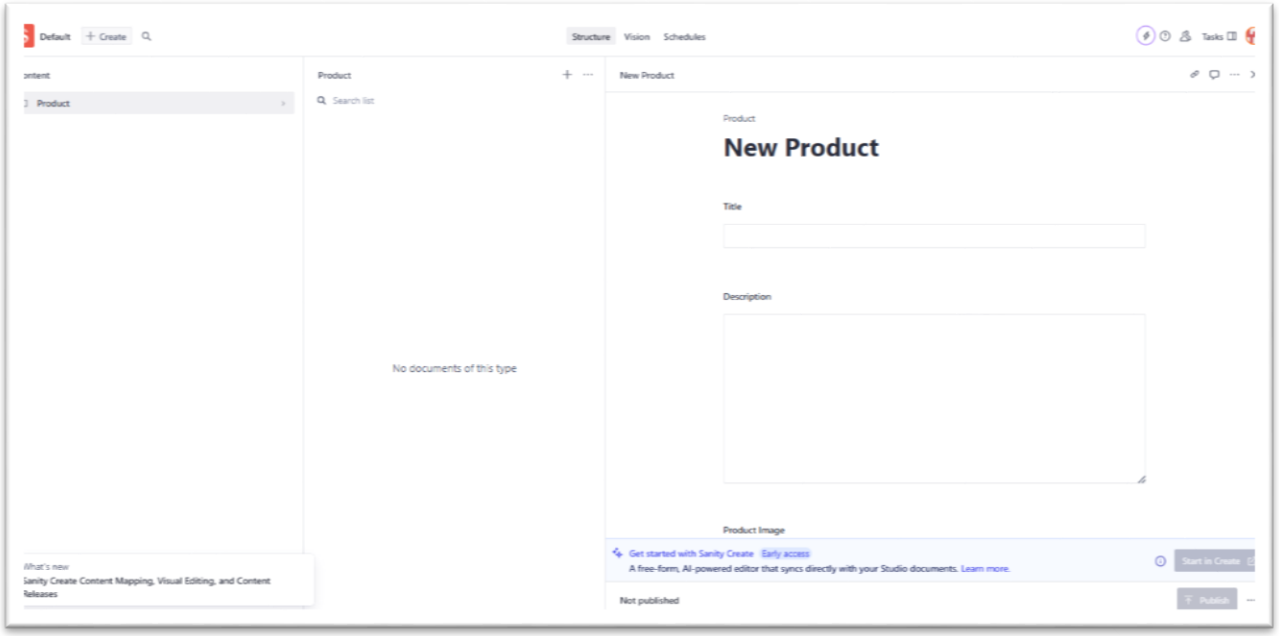
➢ Snippets of the process of API Integration:

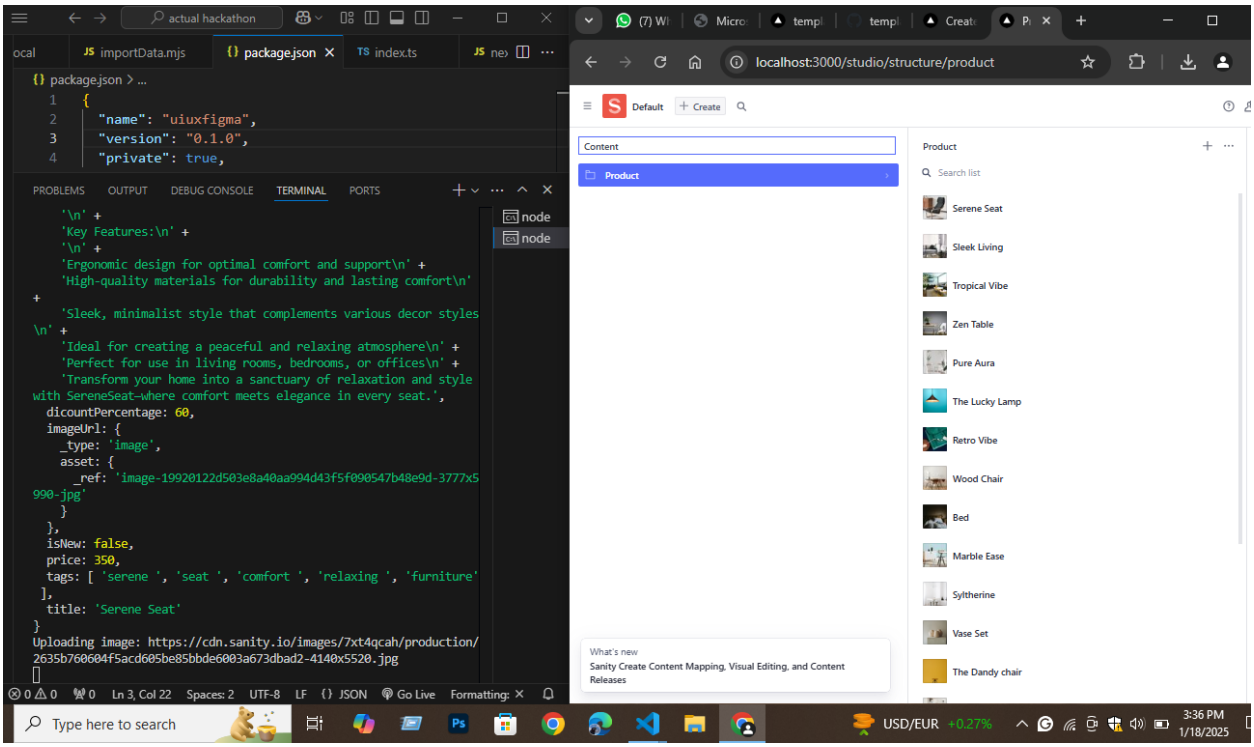


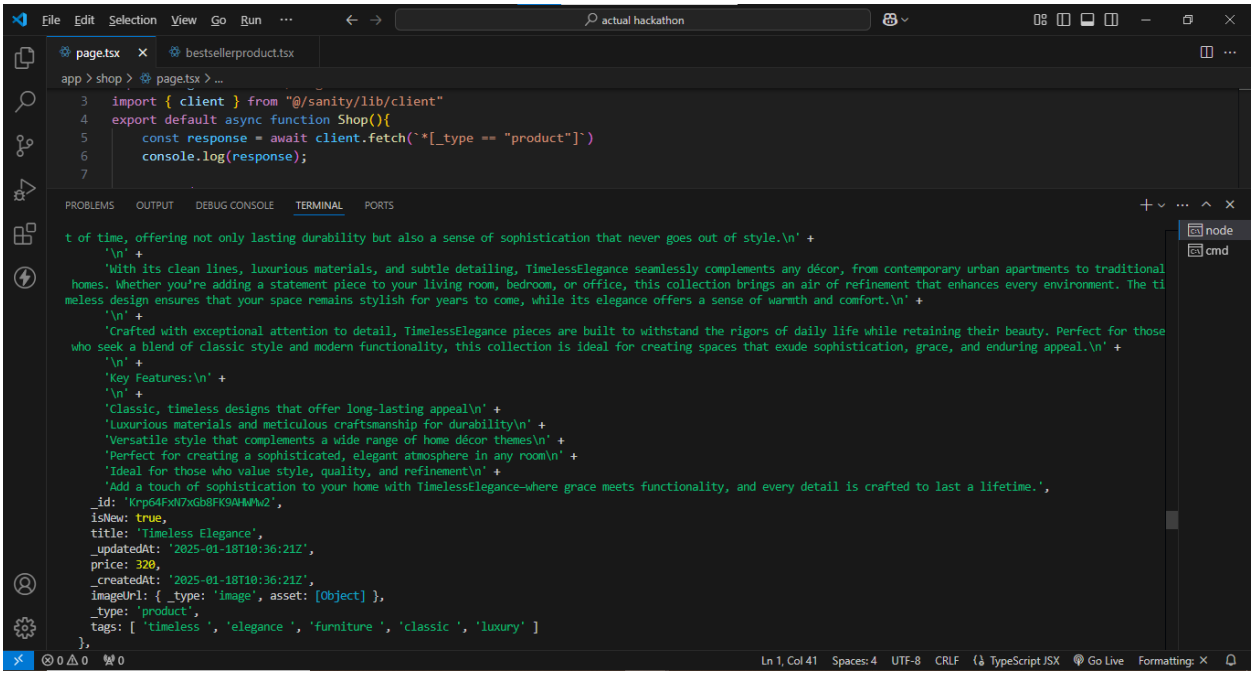
```
scripts > importData.mjs > uploadProduct
async function uploadProduct(product) {
  try {
    const imageId = await uploadImageToSanity(product.imageUrl);

    if (imageId) {
      const document = {
        _type: 'product',
        title: product.title,
        price: product.price,
        imageUrl: {
          _type: 'image',
          asset: {
            _ref: imageId,
          },
        },
        tags: product.tags,
        dicountPercentage: product.dicountPercentage, // Typo in field name: dicountPercentage -> discountPercentage
        description: product.description,
        isNew: product.isNew,
      };

      const createdProduct = await client.create(document);
      console.log(`Product ${product.title} uploaded successfully:`, createdProduct);
    } else {
      console.log(`Product ${product.title} skipped due to image upload failure.`);
    }
  } catch (error) {
    console.error('Error uploading product:', error);
  }
}

async function importProducts() {
  try {
    const response = await fetch('https://template6-six.vercel.app/api/products');

    if (!response.ok) {
```

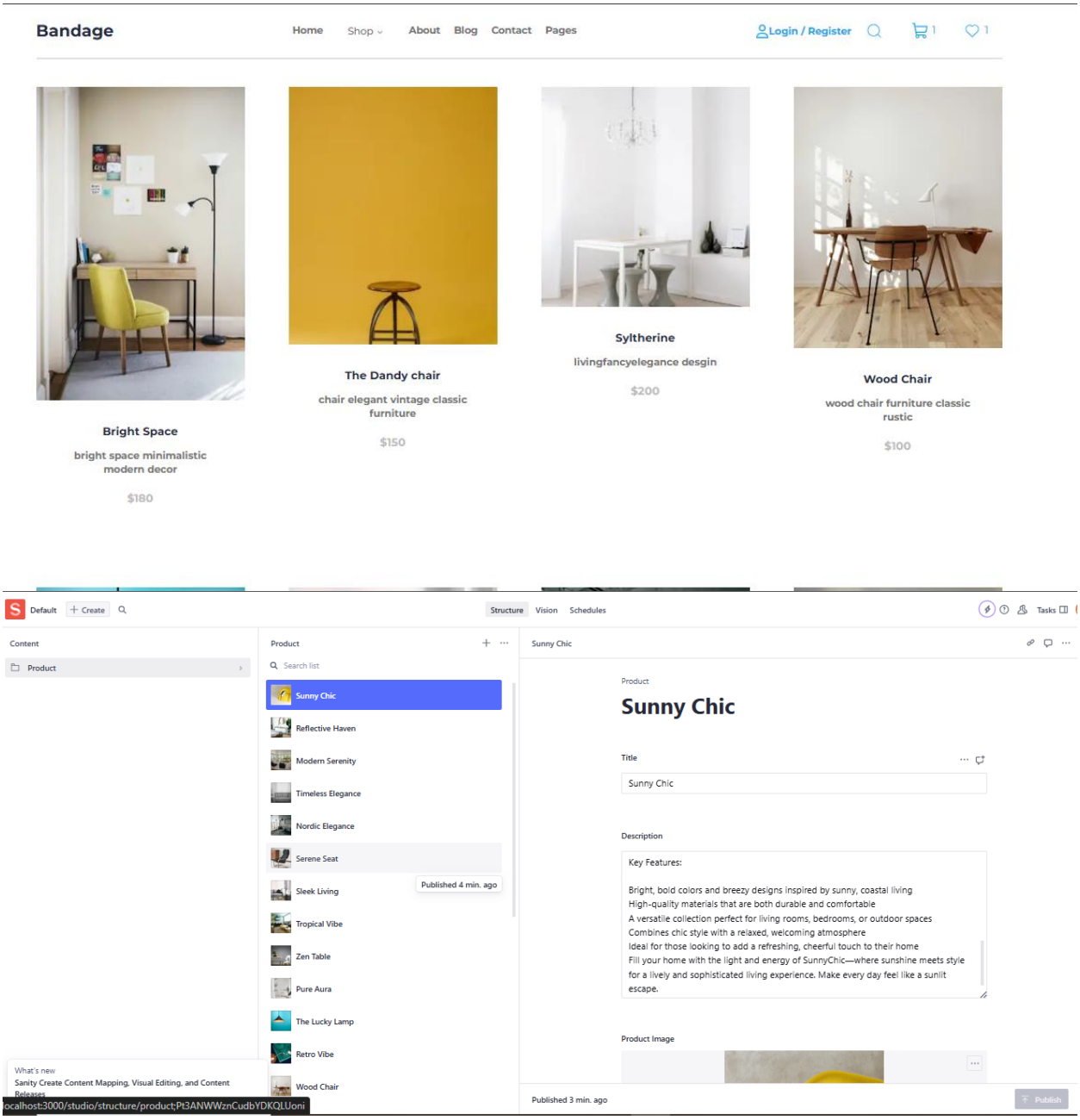
```
sanity > schemaTypes > product.ts > product > name
import { defineType } from "sanity"

export const product = defineType({
    name: "product",
    title: "Product",
    type: "document",
    fields: [
        {
            name: "title",
            title: "Title",
            validation: (rule) => rule.required(),
            type: "string"
        },
        {
            name:"description",
            type:"text",
            validation: (rule) => rule.required(),
            title:"Description",
        },
        {
            name: "imageUrl",
            type: "image",
            validation: (rule) => rule.required(),
            title: "Product Image"
        },
        {
            name: "price",
            type: "number",
            validation: (rule) => rule.required(),
            title: "Price",
        },
        {
            name: "tags",
            type: "array",
            title: "Tags",
            of: [{ type: "string" }]
        },
```

```
PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL    PORTS

Microsoft Windows [Version 10.0.19045.5371]
(c) Microsoft Corporation. All rights reserved.

E:\Projects-of-Giaic\Hackathon Projects\Figma Design Practic
e\actual hackathon>npm run import-data
```




actual hackathon
importData.mjs
package.json
index.ts
package.json > ...
{
"name": "uiuxfigma",
"version": "0.1.0",
"private": true,
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
node
node
'\n' +
'Key Features:\n' +
'\n' +
'Ergonomic design for optimal comfort and support\n' +
'High-quality materials for durability and lasting comfort\n' +
'Sleek, minimalist style that complements various decor styles\n' +
'Ideal for creating a peaceful and relaxing atmosphere\n' +
'Perfect for use in living rooms, bedrooms, or offices\n' +
'Transform your home into a sanctuary of relaxation and style with SereneSeat—where comfort meets elegance in every seat.',
dicountPercentage: 60,
imageUrl: {
_type: 'image',
asset: {
_ref: 'image-19920122d503e8a40aa994d43f5f090547b48e9d-3777x5990-jpg'
}
},
isNew: false,
price: 350,
tags: ['serene ', 'seat ', 'comfort ', 'relaxing ', 'furniture'],
title: 'Serene Seat'
}
Uploading image: https://cdn.sanity.io/images/7xt4qcah/production/2635b760604f5acd605be85bbde6003a673dbad2-4140x5520.jpg
Ln 3, Col 22 Spaces: 2 UTF-8 LF JSON Go Live Formatting:
localhost:3000/studio/structure/product
Default
Create
Content
Product
Search list
Serene Seat
Sleek Living
Tropical Vibe
Zen Table
Pure Aura
The Lucky Lamp
Retro Vibe
Wood Chair
Bed
Marble Ease
Sytherine
Vase Set
The Dandy chair
What's new
Sanity Create Content Mapping, Visual Editing, and Content Releases
Type here to search
USD/EUR +0.27%
3:36 PM
1/18/2025


File Edit Selection View Go Run
actual hackathon
page.tsx
bestsellerproduct.tsx
app > shop > page.tsx > ...
import { client } from "@/sanity/lib/client"
export default async function Shop(){
const response = await client.fetch(`*[_type == "product"]`)
console.log(response);
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
node
cmd
t of time, offering not only lasting durability but also a sense of sophistication that never goes out of style.\n' +
'\n' +
'With its clean lines, luxurious materials, and subtle detailing, TimelessElegance seamlessly complements any décor, from contemporary urban apartments to traditional homes. Whether you're adding a statement piece to your living room, bedroom, or office, this collection brings an air of refinement that enhances every environment. The timeless design ensures that your space remains stylish for years to come, while its elegance offers a sense of warmth and comfort.\n' +
'\n' +
'Crafted with exceptional attention to detail, TimelessElegance pieces are built to withstand the rigors of daily life while retaining their beauty. Perfect for those who seek a blend of classic style and modern functionality, this collection is ideal for creating spaces that exude sophistication, grace, and enduring appeal.\n' +
'\n' +
'Key Features:\n' +
'\n' +
'Classic, timeless designs that offer long-lasting appeal\n' +
'Luxurious materials and meticulous craftsmanship for durability\n' +
'Versatile style that complements a wide range of home décor themes\n' +
'Perfect for creating a sophisticated, elegant atmosphere in any room\n' +
'Ideal for those who value style, quality, and refinement\n' +
'Add a touch of sophistication to your home with TimelessElegance—where grace meets functionality, and every detail is crafted to last a lifetime.',
_id: 'Krp64FxN7xGb8FK9AHWMw2',
isNew: true,
title: 'Timeless Elegance',
_updatedAt: '2025-01-18T10:36:21Z',
price: 320,
_createdAt: '2025-01-18T10:36:21Z',
imageUrl: { _type: 'image', asset: [Object] },
_type: 'product',
tags: ['timeless ', 'elegance ', 'furniture ', 'classic ', 'luxury']
},
Ln 1, Col 41 Spaces: 4 UTF-8 CRLF TypeScript JSX Go Live Formatting:


Bandage
Home
Shop
About
Blog
Contact
Pages
Login / Register
Bright Space
bright space minimalistic modern decor
$180
The Dandy chair
chair elegant vintage classic furniture
$150
Syltherine
livingfancyelegance desgin
$200
Wood Chair
wood chair furniture classic rustic
$100

Default
Create
Structure
Vision
Schedules
Tasks
Content
Product
Product
Search list
Sunny Chic
Reflective Haven
Modern Serenity
Timeless Elegance
Nordic Elegance
Serene Seat
Sleek Living
Tropical Vibe
Zen Table
Pure Aura
The Lucky Lamp
Retro Vibe
Wood Chair
Published 4 min. ago
What's new
Sanity Create Content Mapping, Visual Editing, and Content Releases
localhost:3000/studio/structure/product;Pt3ANWWznCudbYDKQLUoni
Sunny Chic
Product
Sunny Chic
Title
Sunny Chic
Description
Key Features:
Bright, bold colors and breezy designs inspired by sunny, coastal living
High-quality materials that are both durable and comfortable
A versatile collection perfect for living rooms, bedrooms, or outdoor spaces
Combines chic style with a relaxed, welcoming atmosphere
Ideal for those looking to add a refreshing, cheerful touch to their home
Fill your home with the light and energy of SunnyChic—where sunshine meets style for a lively and sophisticated living experience. Make every day feel like a sunlit escape.
Product Image
Published 3 min. ago
Publish

➢ Self-Validation Checklist:

- ✓ **API Understanding:**
- ✓ **Schema Validation:**
- ✓ **Data Migration.**
- ✓ **API Integration in Next.js**
- ✓ **Submission Preparation**