

# Document Title: “Day 3 – API Integration Report – [AVION E-Commerce]”

## What is to Submit: 0

- ✚ A report documenting:
- ✚ API integration process
- ✚ Adjustments made to schemas
- ✚ Migration steps and tools used

## Screenshots of:

- ✚ API calls.
- ✚ Data successfully displayed in frontend.
- ✚ Populated Sanity CMS fields.
- ✚ Code snippets for API integration and migration script.

```

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

C:\Users\HP\Desktop\Marketplace_Builder_Hackathon_2025\project>code .

C:\Users\HP\Desktop\Marketplace_Builder_Hackathon_2025\project>npm create sanity@latest -- --project czerxdw7 --dataset production --template clean

> project@0.1.0 npx
> create-sanity --project czerxdw7 --dataset production --template clean

You are logged in as inida3242@gmail.com using Google
Fetching existing projects

? 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
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 898 packages, and audited 1298 packages in 3m

244 packages are looking for funding
  run 'npm fund' for details

1 high severity vulnerability

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

Run 'npm audit' for details.

added 16 packages, and audited 1314 packages in 17s

244 packages are looking for funding
  run 'npm fund' for details

1 high severity vulnerability

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

Run 'npm audit' for details.

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

C:\Users\HP\Desktop\Marketplace_Builder_Hackathon_2025\project>

```

```

File Edit Selection View Go ...
sanity-migration

EXPLORER
SANITY-MIGRATION
  node_modules
  .env
  .env.example
  .gitignore
  importData.js
  importData.ts
  package-lock.json
  package.json
  sanityClient.js
  sanityClient.ts
  tsconfig.json

importData.js
1 "use strict";
  Complexity is 4 Everything is cool!
  ... importDataDefault ... this ... this ... importData ... function (req, res) {
  ...

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS SPELL CHECKER
cmd + ...

image: {
  _type: 'image',
  asset: {
    _type: 'reference',
    _ref: 'image-7f6146b6625bf94030f2aa896e9b0c847e5f4919-8000x8000-jpg'
  }
},
description: 'A timeless design, with premium materials features as one of our most popular and iconic pieces. The dandy chair is perfect for any stylish living space with beech legs and lambskin leather upholstery.',
features: [
  'Premium material',
  'Handmade upholstery',
  'Quality timeless classic'
],
dimensions: {
  _type: 'dimensions',
  width: '75cm',
  height: '110cm',
  depth: '50cm'
}
}
✓ Imported product: Marble Ease
✓ Data import completed!

C:\Users\HP\Desktop\Marketplace_Builder_Hackathon_2025\hackathon-template02\sanity-migration>

```

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30 days left in trial

N

Getting started

Overview

Members

Studios

Datasets

Access

Activity

Usage

Plan

API

Settings

Webhooks

CORS origins

Tokens

http://localhost:3333

Allowed

1 hour

Tokens

+ Add API token

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

NAME	PERMISSIONS	CREATED	
api_token	Developer	1 hour	

What's new

ianity Create Content Mapping, Visual Editing,

S

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PLAN

Growth Trial

STATUS

Active

PROJECT ID

czerxdw7

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Datasets

+ New dataset

Datasets are collections of documents and assets of different types that reference each other. A project can contain any number of datasets, each with separate data and visibility.

[Learn more about datasets](#)

1 of 2 datasets

(2 included in plan)

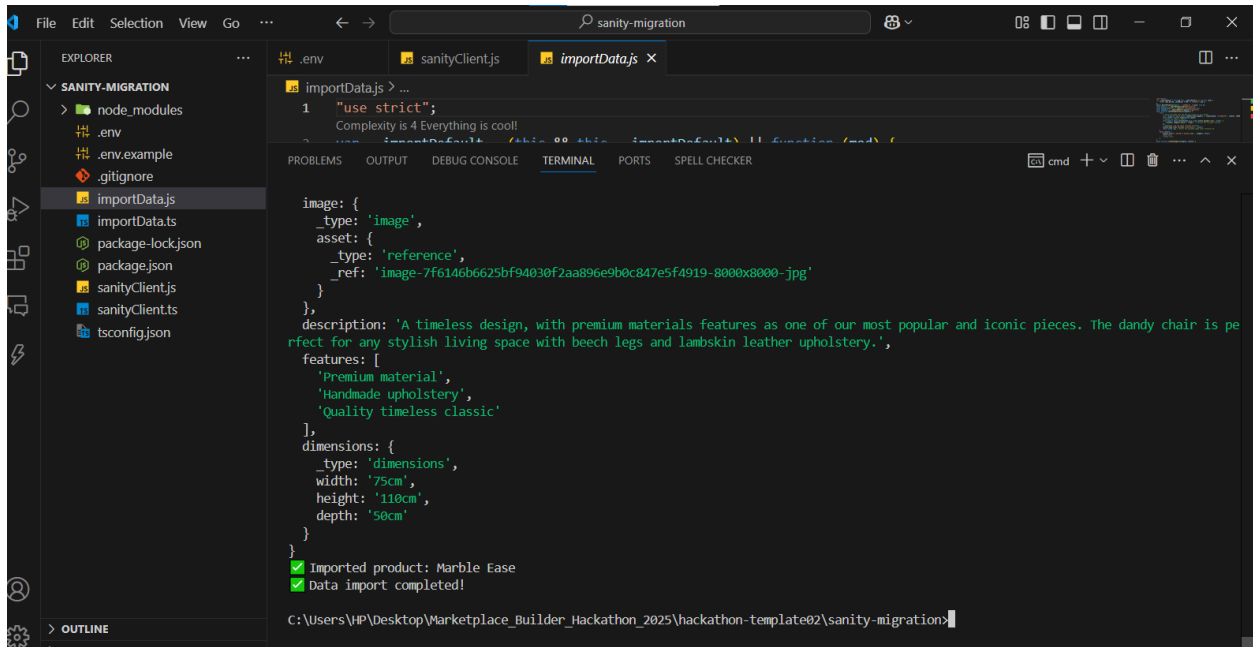
Get more datasets

TITLE

production


VISIBILITY

public



```
1 "use strict";
2 // Complexity is 4 Everything is cool!
3 import { default as sanityClient } from 'sanity';
4
5 const client = sanityClient({
6   projectId: 'czerxdw7',
7   dataset: 'production'
8 });
9
10 const data = {
11   image: {
12     _type: 'image',
13     asset: {
14       _type: 'reference',
15       _ref: 'image-7f6146b6625bf94030f2aa896e9b0c847e5f4919-8000x8000-jpg'
16     }
17   },
18   description: 'A timeless design, with premium materials features as one of our most popular and iconic pieces. The dandy chair is perfect for any stylish living space with beech legs and lambskin leather upholstery.',
19   features: [
20     'Premium material',
21     'Handmade upholstery',
22     'Quality timeless classic'
23   ],
24   dimensions: {
25     _type: 'dimensions',
26     width: '75cm',
27     height: '110cm',
28     depth: '50cm'
29   }
30 }
31
32 // Import the data
33 client.create(data).then(() => {
34   console.log('Imported product: Marble Ease');
35   console.log('Data import completed!');
36 });
```

C:\Users\HP\Desktop\Marketplace\_Builder\_Hackathon\_2025\hackathon-template02\sanity-migration>



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## Marketplace\_Builder\_Hackathon

PLAN

STATUS

PROJECT ID

Growth Trial

Active

czerxdw7

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### Next steps

Initialize your project with the CLI

Run this command in your Terminal to continue setting up your project.

```
npm create sanity@latest -- --project czerxdw7 --dataset pr
```


Copy

Having issues with the CLI?

What's new

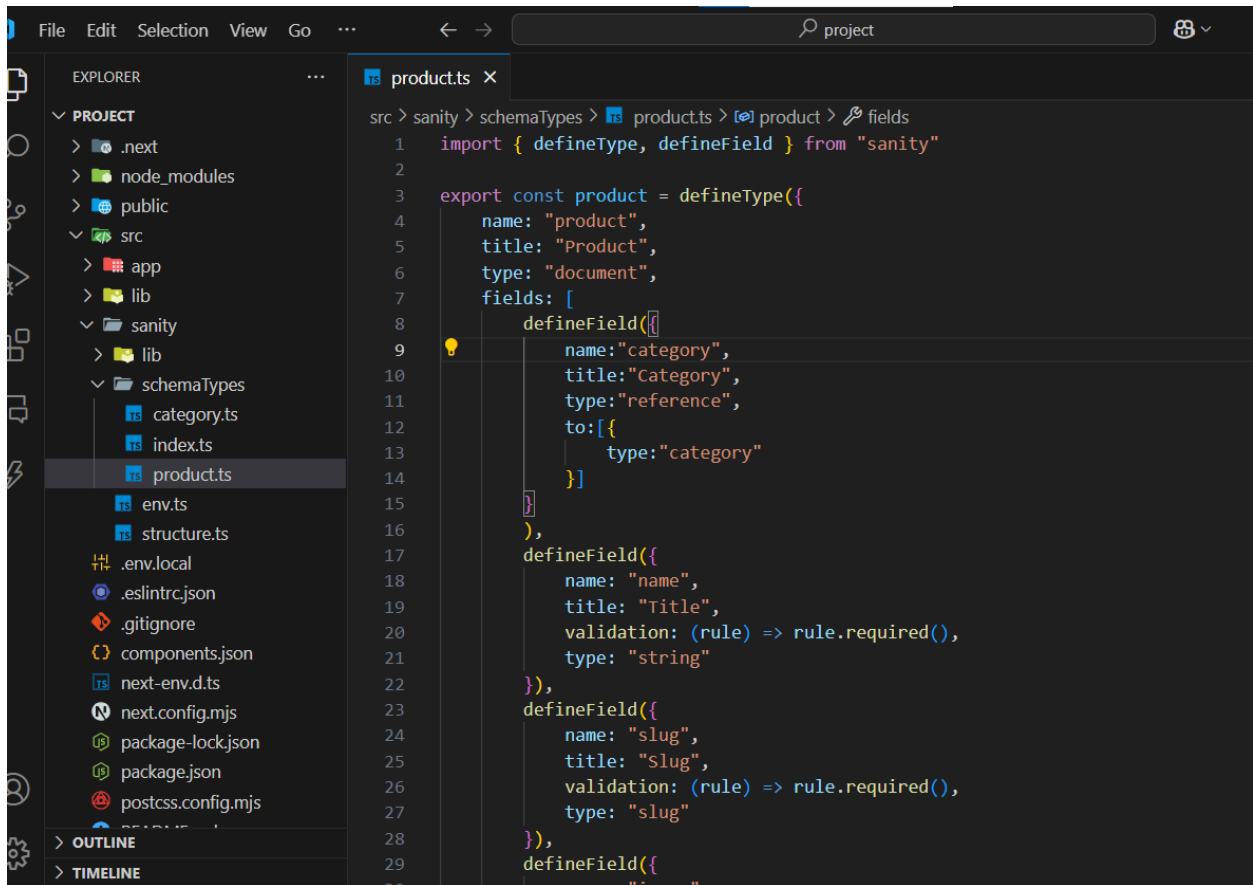
### Project members

View all →



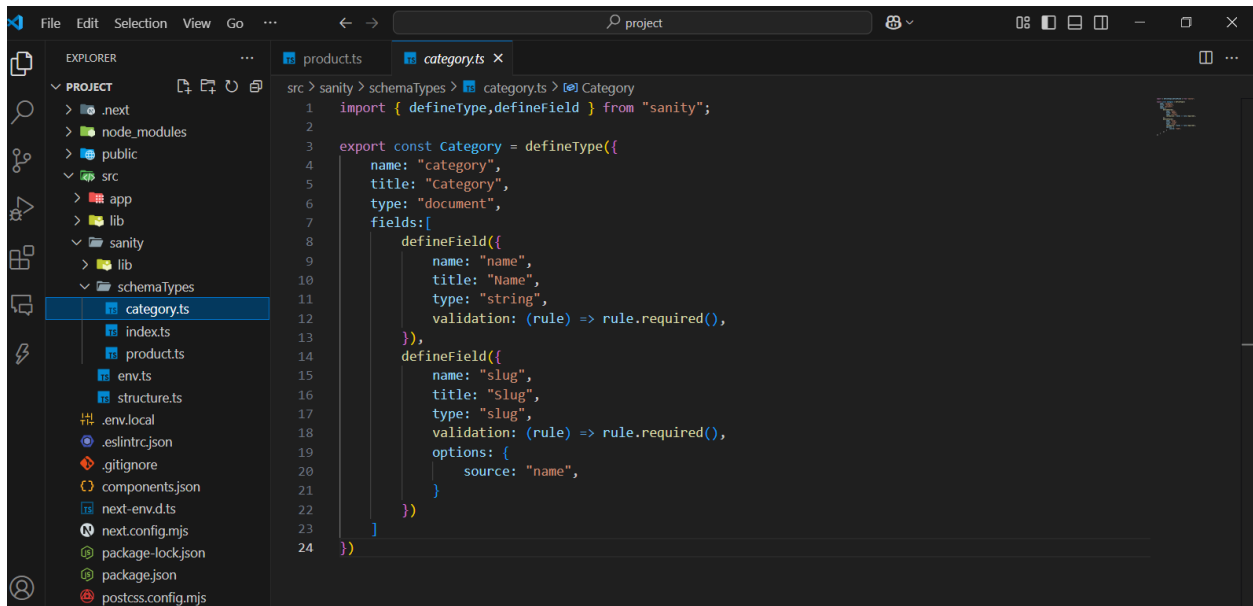
Invite your first team member

+ Invite project members



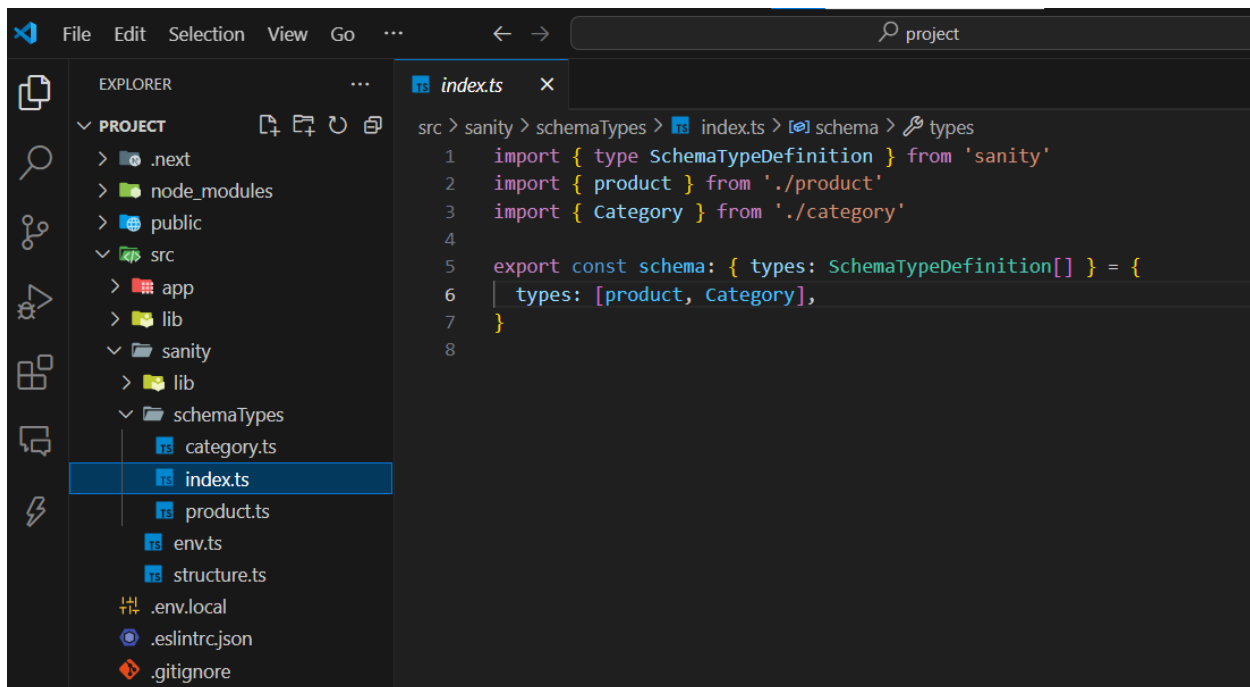
The screenshot shows the VS Code editor with the Explorer sidebar on the left and the Editor pane on the right. The Explorer sidebar shows a project structure with a 'sanity' directory containing 'lib' and 'schemaTypes'. The 'schemaTypes' directory is expanded, showing 'category.ts', 'index.ts', and 'product.ts'. The 'product.ts' file is selected and its content is displayed in the Editor pane. The code defines a 'product' type with a 'category' reference field and 'name' and 'slug' string fields.

```
src > sanity > schemaTypes > product.ts > product > fields
1  import { defineType, defineField } from "sanity"
2
3  export const product = defineType({
4    name: "product",
5    title: "Product",
6    type: "document",
7    fields: [
8      defineField({
9        name: "category",
10       title: "Category",
11       type: "reference",
12       to: {
13         type: "category"
14       }
15     }
16   ),
17   defineField({
18     name: "name",
19     title: "Title",
20     validation: (rule) => rule.required(),
21     type: "string"
22   }),
23   defineField({
24     name: "slug",
25     title: "slug",
26     validation: (rule) => rule.required(),
27     type: "slug"
28   }),
29   defineField({
30     name: "image",
```



The screenshot shows the VS Code editor with the Explorer sidebar on the left and the Editor pane on the right. The Explorer sidebar shows the same project structure as the first screenshot, but the 'category.ts' file is selected. The 'category.ts' file is displayed in the Editor pane. The code defines a 'Category' type with 'name' and 'slug' string fields. The 'slug' field has a 'source' option set to 'name'.

```
src > sanity > schemaTypes > category.ts > Category
1  import { defineType, defineField } from "sanity";
2
3  export const Category = defineType({
4    name: "category",
5    title: "Category",
6    type: "document",
7    fields: [
8      defineField({
9        name: "name",
10       title: "Name",
11       type: "string",
12       validation: (rule) => rule.required(),
13     }
14   ),
15   defineField({
16     name: "slug",
17     title: "slug",
18     type: "slug",
19     validation: (rule) => rule.required(),
20     options: {
21       source: "name",
22     }
23   })
24 ]
25 })
```



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Marketplace\_Builder\_Hackathon

30 days left in trial

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Usage

View more →

0 / 1m API CDN Requests	79 / 250k API Requests
0 B / 100 GB Assets	114.4 KB / 100 GB Bandwidth
1 / 2 Datasets	31 / 10k Documents
1 / 20 User seats	

Activity

View more →

API

Jan 18 at 11:41 PM

...

API token `api_token` was added to the project

API

Jan 18 at 11:38 PM

...

CORS origin `http://localhost:3000` was added to the project

Jan 18 at 11:28 PM

...

Dataset `production` was created

S

Jan 18 at 11:28 PM

...

Project `Marketplace_Builder_Hackathon` was created

Jan 18 at 11:28 PM

...

Plan `Growth Trial` initialized

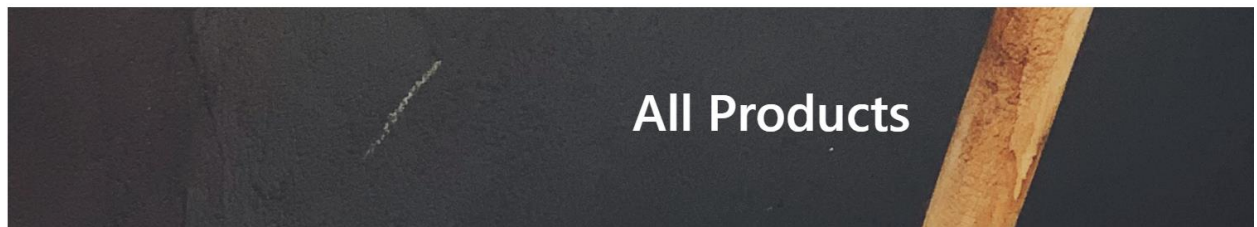
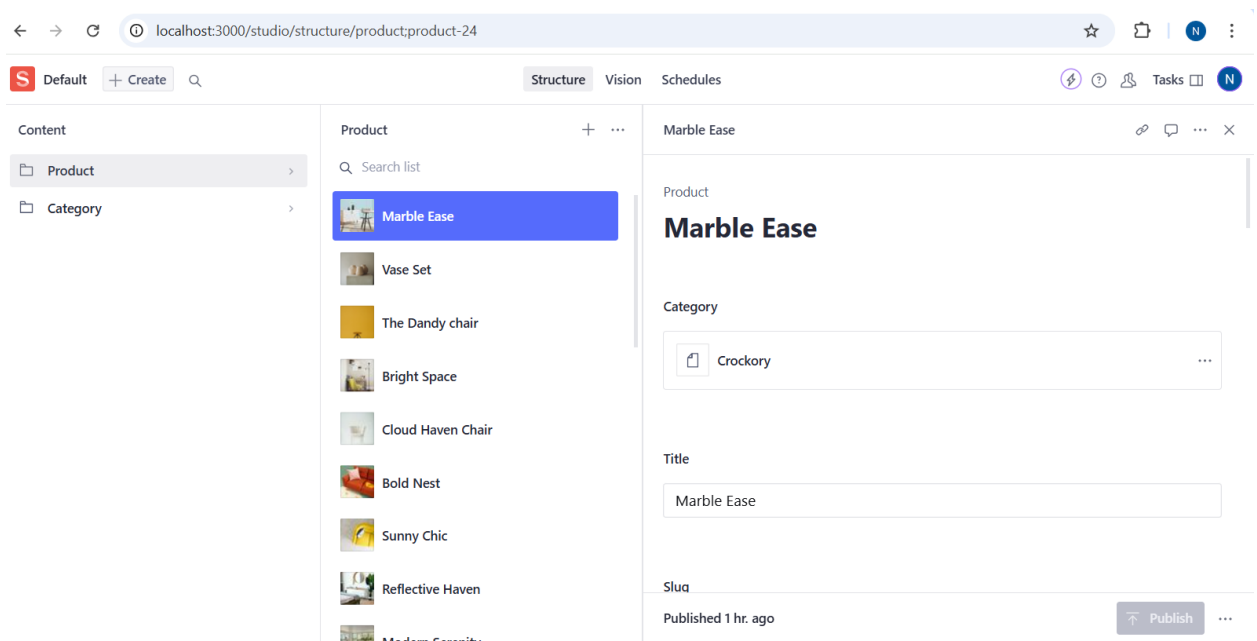
apping, Visual Editing,

```
EXPLORER
PROJECT
  .next
  node_modules
  public
  script
    importData.js
  src
    .env.local
    .eslintrc.json
    .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

importData.js
script > importData.js > ...
1  "use strict";
  Complexity is 4 Everything is cool!
2  var __importDefault = (this && this.__importDefault) || function (mod) {
3    |   return (mod && mod.__esModule) ? mod : { "default": mod };
4  };
5  Object.defineProperty(exports, "__esModule", { value: true });
6  const axios_1 = __importDefault(require("axios"));
7  const sanityClient_js_1 = require("./sanityClient.js");
8  const slugify_1 = __importDefault(require("slugify"));
9  // async function uploadImageToSanity(imageUrl: string): Promise<string|null> {
10 //   try {
11 //     // Fetch the image from the URL and convert it to a buffer
12 //     const response = await axios.get(imageUrl, { responseType: 'arraybuffer' });
13 //     const buffer = Buffer.from(response.data);
14 //     // Upload the image to Sanity
15 //     const asset = await client.assets.upload('image', buffer, {
16 //       filename: imageUrl.split('/').pop(), // Extract the filename from URL
17 //     });
18 //     // Debugging: Log the asset returned by Sanity
19 //     console.log('Image uploaded successfully:', asset);
20 //     return asset._id; // Return the uploaded image asset reference ID
21 //   } catch (error) {
22 //     console.error('❌ Failed to upload image:', imageUrl, error);
23 //     throw error;
24 //   }
25 // }
  Complexity is 5 Everything is cool!
26 async function uploadImageToSanity(imageUrl) {
```

```
PROJECT
  .next
  node_modules
  public
  script
    importData.js
  src
    .env.local
    .eslintrc.json
    .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

package.json
package.json > {} scripts > import-data
1  {
2    "name": "project",
3    "version": "0.1.0",
4    "private": true,
5    "type": "module",
  Debug
6    "scripts": {
7      "dev": "next dev",
8      "build": "next build",
9      "start": "next start",
10     "lint": "next lint",
11     "import-data": "node script/importData.js"
12   },
13   "dependencies": {
14     "@radix-ui/react-dialog": "^1.1.4",
15     "@sanity/image-url": "^1.1.0",
16     "@sanity/vision": "^3.70.0",
17     "class-variance-authority": "^0.7.1",
18     "clsx": "^2.1.1",
19     "lucide": "^0.473.0",
20     "lucide-react": "^0.473.0",
```



A timeless design, with premium materials features as one of our most popular and iconic pieces. The...

\$980

popular products

Add To Cart



A timeless design, with premium materials features as one of our most popular and iconic pieces. The...

\$550

Add To Cart



A timeless design, with premium materials features as one of our most popular and iconic pieces. The...

\$300

Add To Cart



A timeless design, with premium materials features as one of our most popular and iconic pieces. The...

\$350

Add To Cart





A timeless design, with premium materials features as one of our most popular and iconic pieces. The...

\$280

Add To Cart



A timeless design, with premium materials features as one of our most popular and iconic pieces. The...

\$320

popular products

Add To Cart



A timeless design, with premium materials features as one of our most popular and iconic pieces. The...

\$320

Add To Cart



A timeless design, with premium materials features as one of our most popular and iconic pieces. The...

\$480

Add To Cart

S

Default

+ Create

Q

StructureVisionSchedules

⚡

?

👤

Tasks

📅

N

Content

Product

Category

Category

+

...

Search list

Tableware

Chairs

Plant Pots

Ceramics

Tables

Cutlery

Crockory

Crockory

...

...

...

...

Category

Crockory

Name

Crockory

Slug

crockory

Generate

Published 16 hr. ago

↑ Publish

...