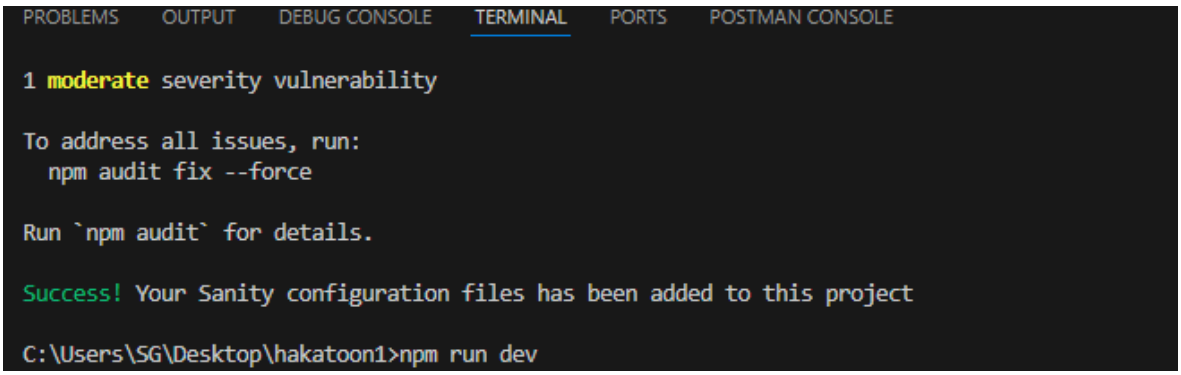
DAY 3 - API INTEGRATION AND DATA MIGRATION

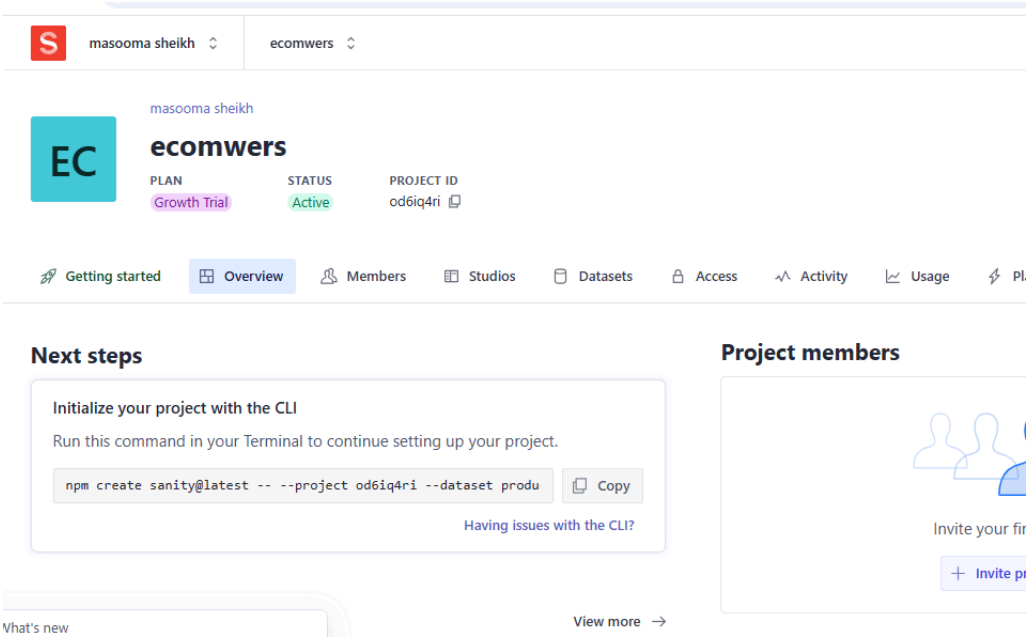
Document Title: "Day 3 - API Integration Report - E-Commerce"

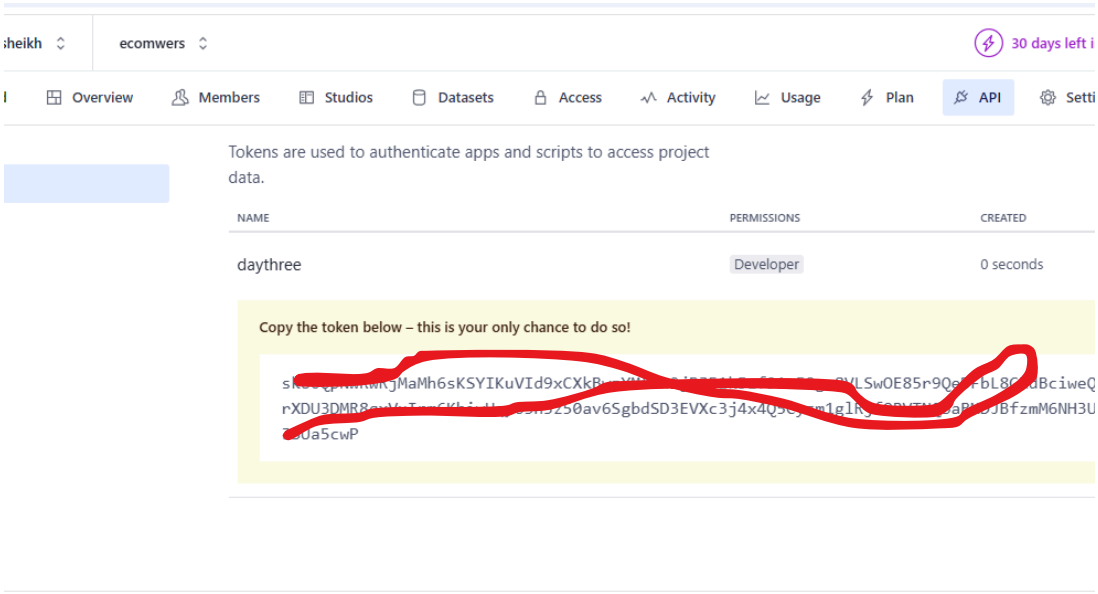
Screenshots of:

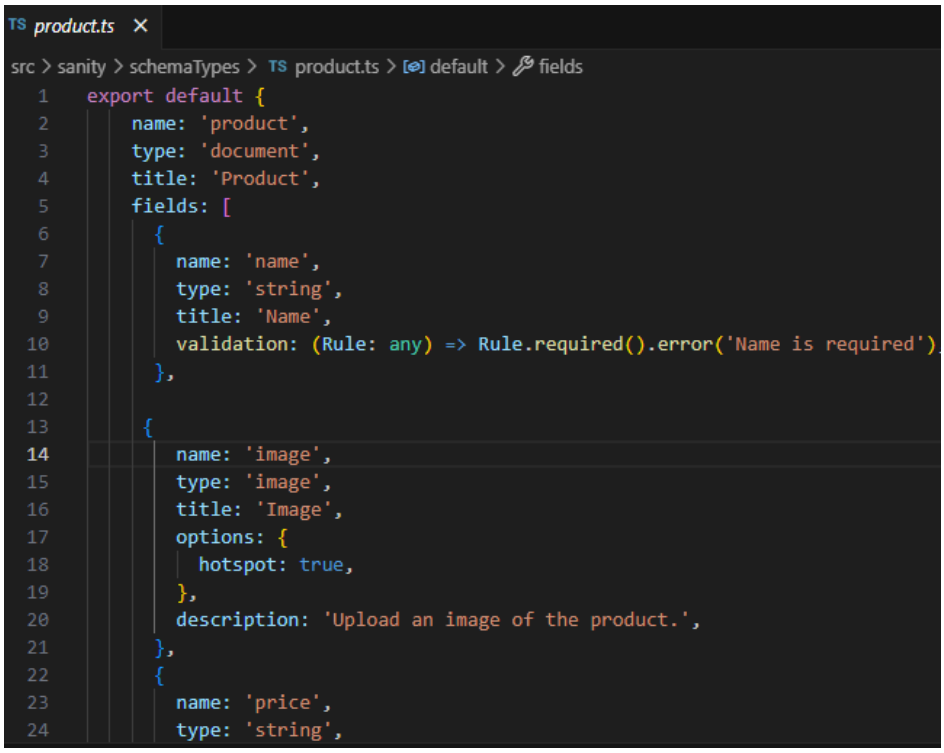
- API calls.
- Data successfully displayed in the frontend
- Populated Sanity CMS fields

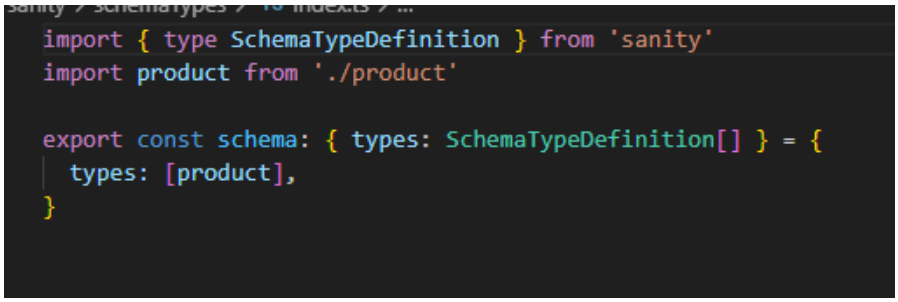
Code snippets for API integration and migration scripts.





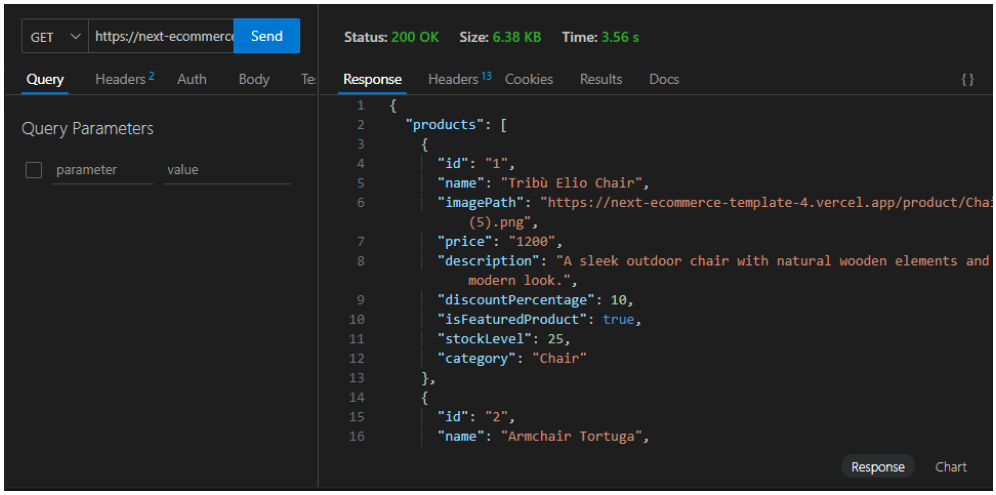

sheikh
ecomwers
30 days left i
Overview
Members
Studios
Datasets
Access
Activity
Usage
Plan
API
Setti
Tokens are used to authenticate apps and scripts to access project data.
NAME
PERMISSIONS
CREATED
daythree
Developer
0 seconds
Copy the token below – this is your only chance to do so!

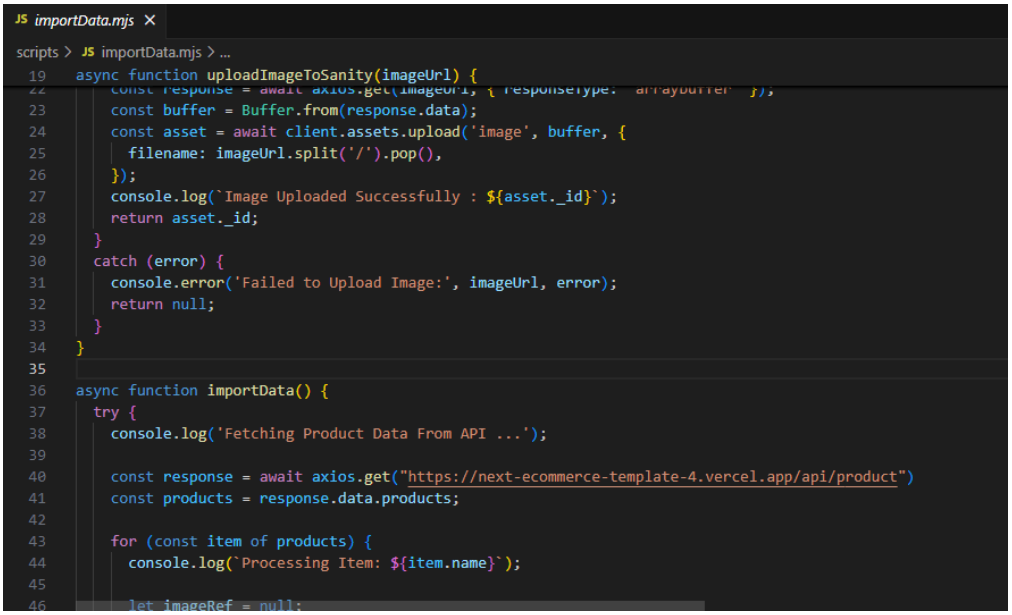

product.ts
src > sanity > schemaTypes > product.ts > default > fields
export default {
name: 'product',
type: 'document',
title: 'Product',
fields: [
{
name: 'name',
type: 'string',
title: 'Name',
validation: (Rule: any) => Rule.required().error('Name is required')
},
{
name: 'image',
type: 'image',
title: 'Image',
options: {
hotspot: true,
},
description: 'Upload an image of the product.',
},
{
name: 'price',
type: 'string',

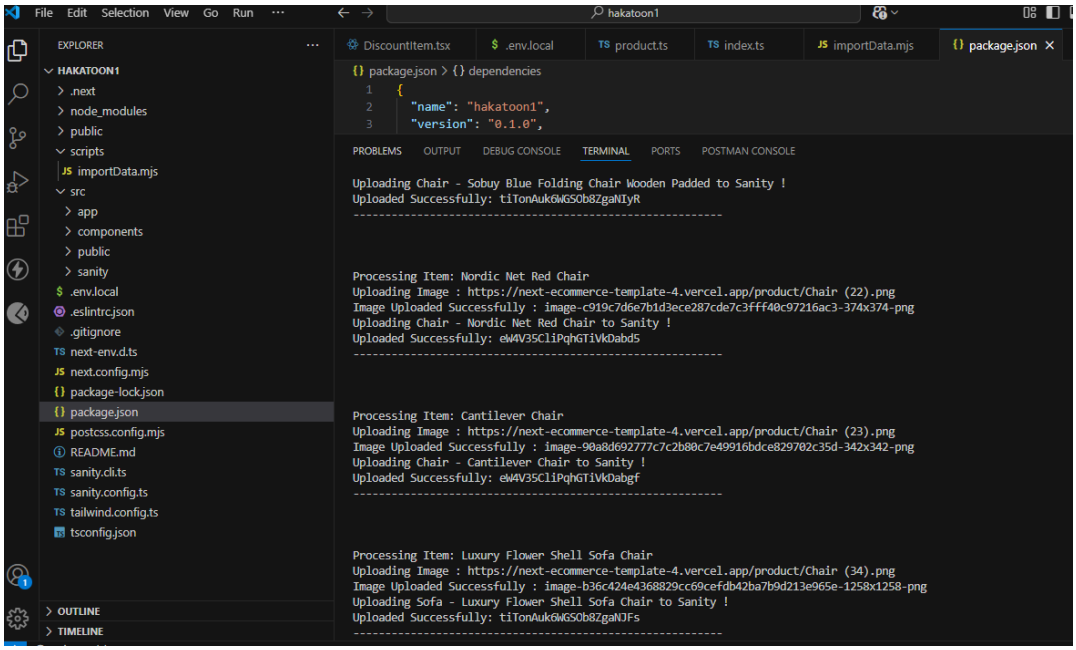

import { type SchemaTypeDefinition } from 'sanity'
import product from './product'
export const schema: { types: SchemaTypeDefinition[] } = {
types: [product],
}

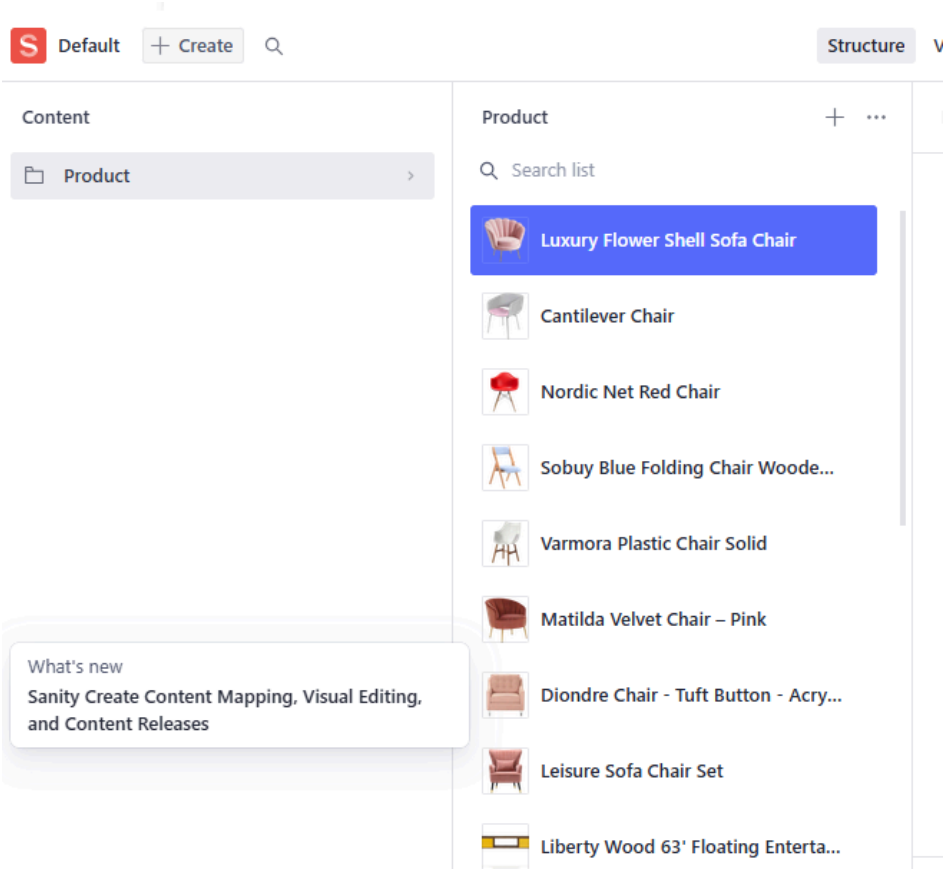
Test API Integration

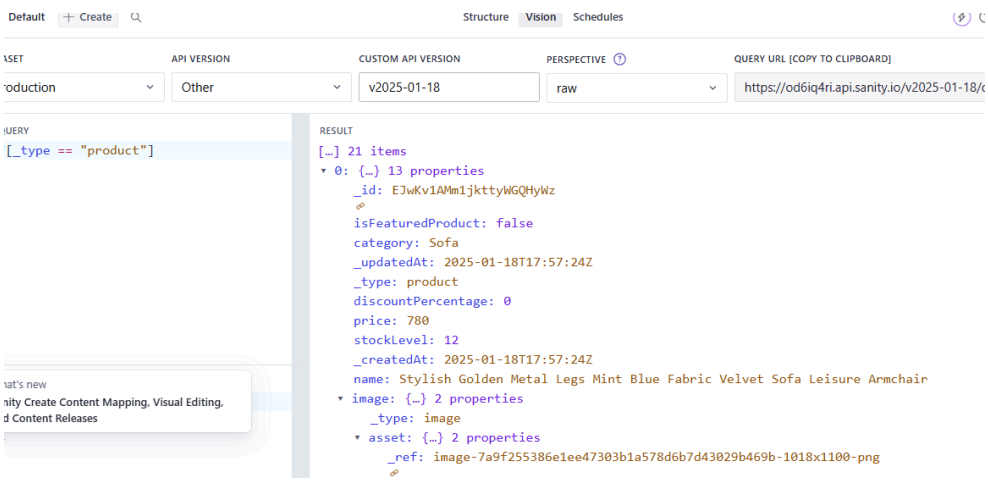
Use tools Thunder Client






File Edit Selection View Go Run
hakatoon1
EXPLORER
HAKATOON1
.next
node_modules
public
scripts
importData.mjs
src
app
components
public
sanity
.env.local
.eslintrc.json
.gitignore
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
OUTLINE
TIMELINE
DiscountItem.tsx
.env.local
product.ts
index.ts
importData.mjs
package.json
package.json > dependencies
{
"name": "hakatoon1",
"version": "0.1.0",
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS POSTMAN CONSOLE
Uploading Chair - Sobuy Blue Folding Chair Wooden Padded to Sanity !
Uploaded Successfully: tiTonAuk6WGSOb8ZgaNIyR
Processing Item: Nordic Net Red Chair
Uploading Image : https://next-ecommerce-template-4.vercel.app/product/Chair (22).png
Image Uploaded Successfully : image-c919c7d6e7b1d3ece287cde7c3fff40c97216ac3-374x374-png
Uploading Chair - Nordic Net Red Chair to Sanity !
Uploaded Successfully: eW4V35CliPqhGTiVkDabd5
Processing Item: Cantilever Chair
Uploading Image : https://next-ecommerce-template-4.vercel.app/product/Chair (23).png
Image Uploaded Successfully : image-90a8d692777c7c2b80c7e49916bdce829702c35d-342x342-png
Uploading Chair - Cantilever Chair to Sanity !
Uploaded Successfully: eW4V35CliPqhGTiVkDabgf
Processing Item: Luxury Flower Shell Sofa Chair
Uploading Image : https://next-ecommerce-template-4.vercel.app/product/Chair (34).png
Image Uploaded Successfully : image-b36c424e4368829cc69cefdb42ba7b9d213e965e-1258x1258-png
Uploading Sofa - Luxury Flower Shell Sofa Chair to Sanity !
Uploaded Successfully: tiTonAuk6WGSOb8ZgaNJFs


Default
Create
Structure
Content
Product
Product
Search list
Luxury Flower Shell Sofa Chair
Cantilever Chair
Nordic Net Red Chair
Sobuy Blue Folding Chair Woode...
Varmora Plastic Chair Solid
Matilda Velvet Chair – Pink
Diondre Chair - Tuft Button - Acry...
Leisure Sofa Chair Set
Liberty Wood 63' Floating Enterta...
What's new
Sanity Create Content Mapping, Visual Editing, and Content Releases




```
import { groq } from "next-sanity";
export const four = groq`*[_type == "product"][0..3] {
  _id,
  name,
  price,
  description,
  discountPercentage,
  image {
    asset -> {
      _id,
      url
    }
  }
}`;
```

Featured Products

Stylish Golden Metal Legs Mint Blue Fabric Velvet Sofa Leisure Armchair

$780

Discount: 0%

Nautilus Lounge Chair

$1450

Discount: 12%

Armchair Tortuga

$850

Discount: 0%

Hans Wegner Style Three-Legged Shell Chair

$990

Discount: 10%

```
async function getAllProducts() {
  return client.fetch(
    groq`*[_type == "product"] | order(_createdAt desc) {
      _id,
      name,
      price,
      description,
      discountPercentage,
      Category,
      slug,
      image {
        asset -> {
          url
        }
      }
    }`
  );
}

export default function Products() {
  const [products, setProducts] = useState<Product[]>([]);
```

```
  );
}

export default function Products() {
  const [products, setProducts] = useState<Product[]>([]);

  useEffect(() => {
    async function fetchData() {
      const data = await getAllProducts();
      setProducts(data);
    }
    fetchData();
  }, []);

  return (
    <div className="md:h-[3200px] h-full">
      <div className='bg-[#F6F5FF] w-full p-4 py-4 mt-3'>
        <div className='md:w-[300px] w-full p-9'>
          <h1 className='text-3xl font-bold text-[#101750]'>Shopping Grid</h1>
          <div className='flex space-x-3 mt-2'>
            <p className='text-sm'>Home </p>
```

Products

Luxury Flower Shell Sofa Chair

$2500

Discount: 0%

Add to Cart

Cantilever Chair

$780

Discount: 15%

Add to Cart

Nordic Net Red Chair

$320

Discount: 10%

Add to Cart