

DAY 3 – API INTEGRATION REPORT (Q ECOMMERCE)

API Integration Process:

1. Set up Sanity Client

- Installed the `@sanity/client` package to interact with the Sanity API.
- Created a Sanity client instance using the necessary configuration option:

```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.22000.2538]
(c) Microsoft Corporation. All rights reserved.

D:\next js\API\last>git clone https://github.com/mubashirimtia/sanity-nextjs.git
Cloning into 'sanity-nextjs'...
remote: Enumerating objects: 103, done.
remote: Counting objects: 100% (103/103), done.
remote: Compressing objects: 100% (81/81), done.
remote: Total 103 (delta 20), reused 97 (delta 14), pack-reused 0 (from 0)
Receiving objects: 100% (103/103), 19.06 MiB | 1.29 MiB/s, done.
Resolving deltas: 100% (20/20), done.

D:\next js\API\last>cd sanity-nextjs
D:\next js\API\last\sanity-nextjs>
```

```
C:\Windows\System32\cmd.exe
Fetching existing projects
? Would you like to add configuration files for a Sanity project in this Next.js folder? Yes
It looks like you are using Next.js 15 and React 19
Please read our compatibility guide.
https://www.sanity.io/help/react-19
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
File \src\app\studio\[[...tool]]\page.tsx already exists. Do you want to overwrite it? No
File \sanity.config.ts already exists. Do you want to overwrite it? No
File \sanity.cli.ts already exists. Do you want to overwrite it? No
Select project template to use Clean project with no predefined schema types
File \src\sanity\env.ts already exists. Do you want to overwrite it? No
File \src\sanity\lib\client.ts already exists. Do you want to overwrite it? No
File \src\sanity\lib\live.ts already exists. Do you want to overwrite it? No
File \src\sanity\lib\image.ts already exists. Do you want to overwrite it? No
File \src\sanity\schemaTypes\index.ts already exists. Do you want to overwrite it? No
File \src\sanity\structure.ts already exists. Do you want to overwrite it? No
Would you like to add the project ID and dataset to your .env.local file? No
Running 'npm install --legacy-peer-deps --save @sanity/vision@3 sanity@3 @sanity/image-url@1 styled-components@6'
up to date, audited 1308 packages in 11s
245 packages are looking for funding
  run 'npm fund' for details
found 0 vulnerabilities
up to date, audited 1308 packages in 5s
245 packages are looking for funding
  run 'npm fund' for details
found 0 vulnerabilities
Success! Your Sanity configuration files has been added to this project
D:\next js\API\sanity-nextjs>
```

New Tab

Set up YouTube Kids

192.168.1.1

HOME

S

Muhib Anwar

FoodTUCK

28 days left in trial

FO

Muhib Anwar

PLAN

Growth Trial

STATUS

Active

PROJECT ID

xbqrez1m

Getting started

Overview

Members

Studios

Datasets

Access

Activity

Usage

Plan

API

Settings

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 xbqrez1m --dataset produ

Copy

Having issues with the CLI?

Project members

View all

Invite your first team member

Invite project members

Usage

View more

New Tab

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Webhooks

CORS origins

Tokens

CORS origins

Hosts that can connect to the project API.

ORIGIN	CREDENTIALS	CREATED	
http://localhost:3000	Allowed	18 hours	
http://localhost:3333	Allowed	18 hours	

Add CORS origin

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Overview

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Name

Examples: "Employee import", "Website preview" or "PDF generator".

read

Permissions

Choose the access privileges for the token.

Contributor

☐

Read and write access to draft content within all datasets, with no access to project settings. (Tokens: read+write drafts)

☐

Deploy Studio (Token only)

Access to deploy Sanity Studio and GraphQL APIs to our hosted service.

☒

Developer

Read and write access to all datasets, with access to project settings for developers. (Tokens: read+write)

☐

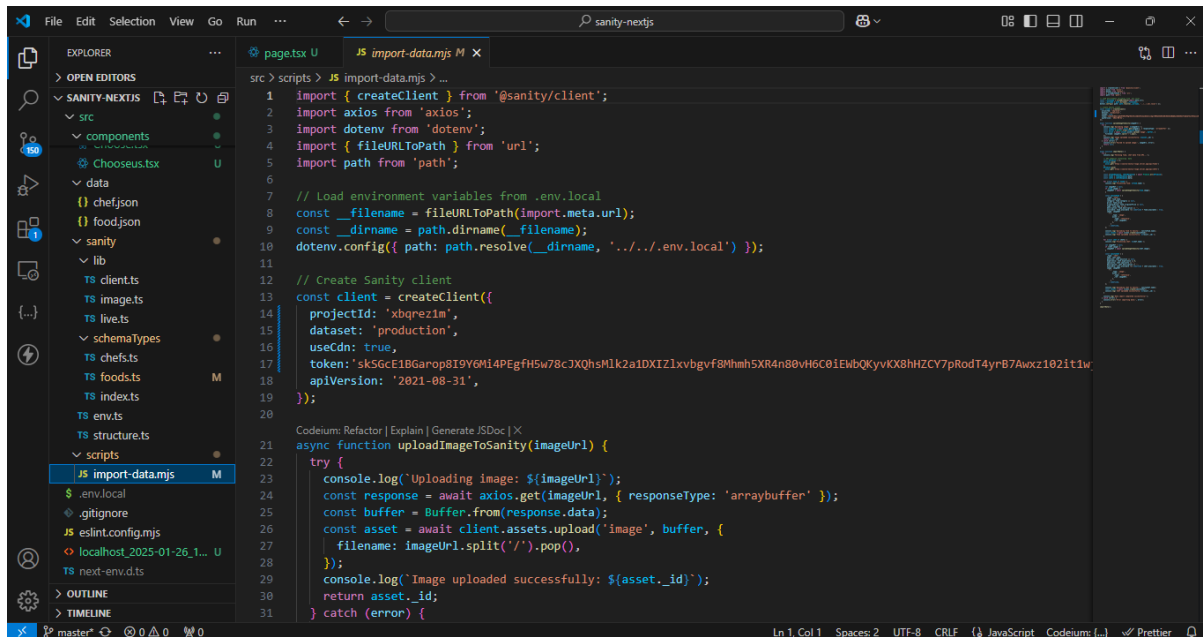
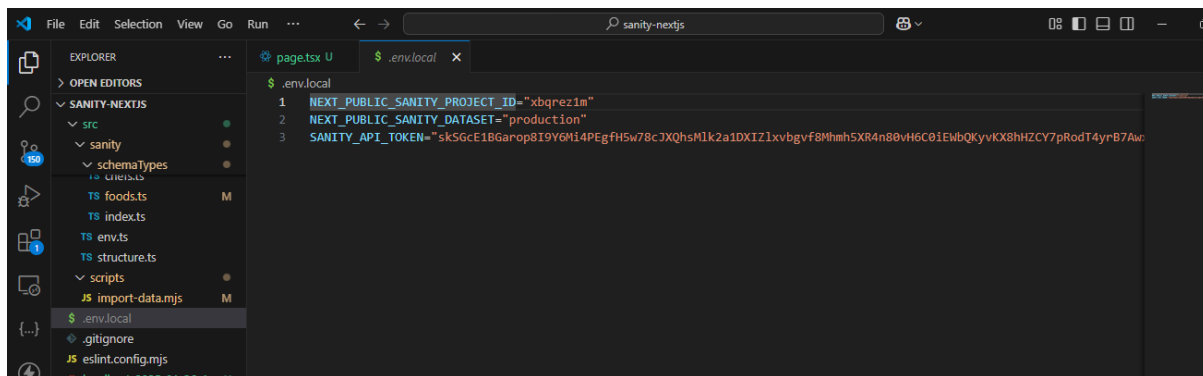
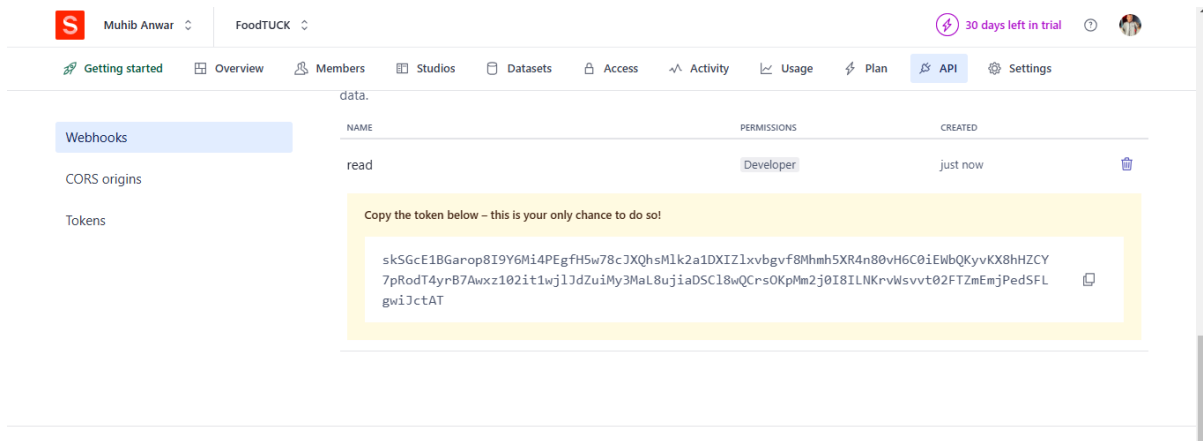
Editor

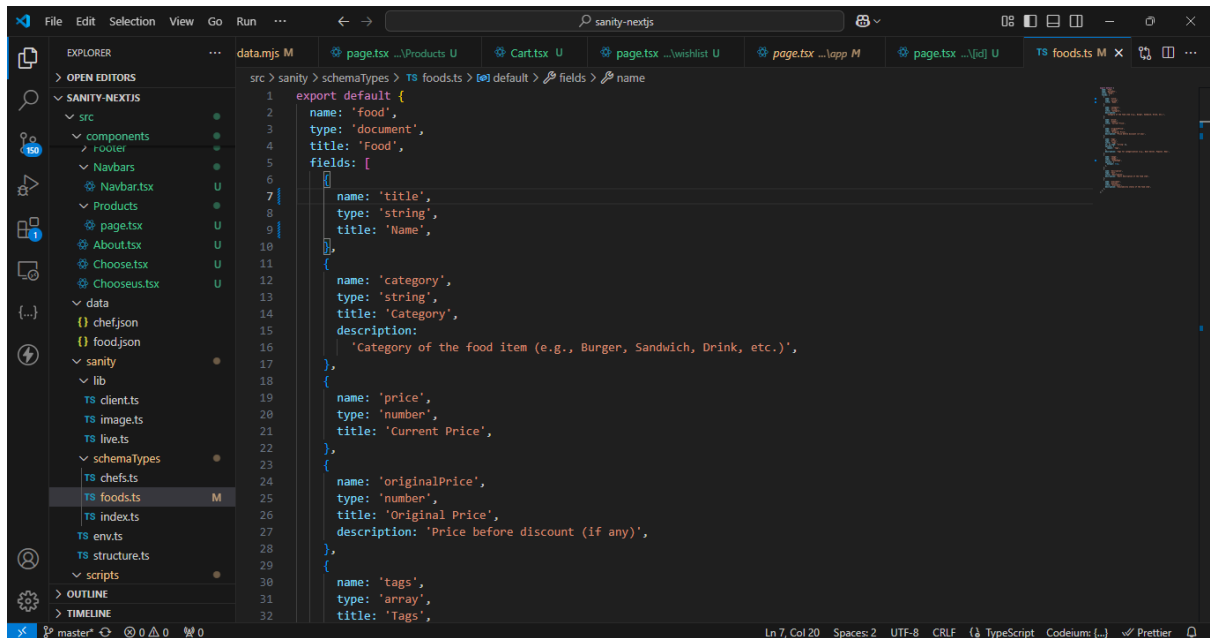
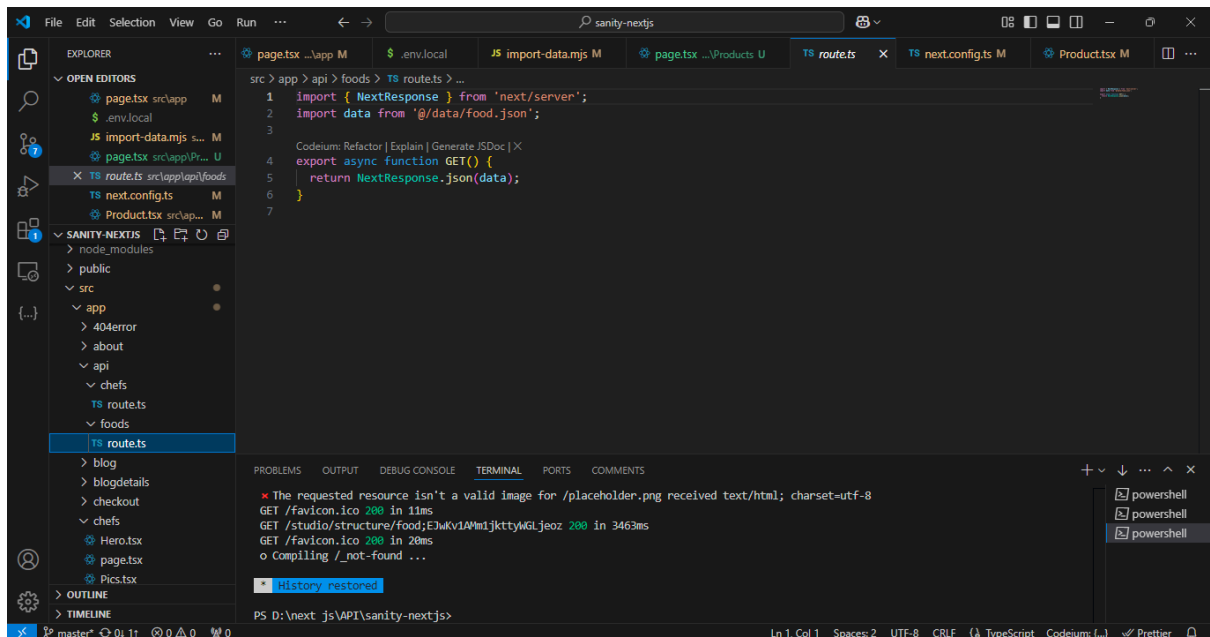
Read and write access to all datasets, with limited access to project settings. (Tokens: read+write)

☐

Viewer

Read access to all datasets, with limited access to project settings. (Tokens: read-only)



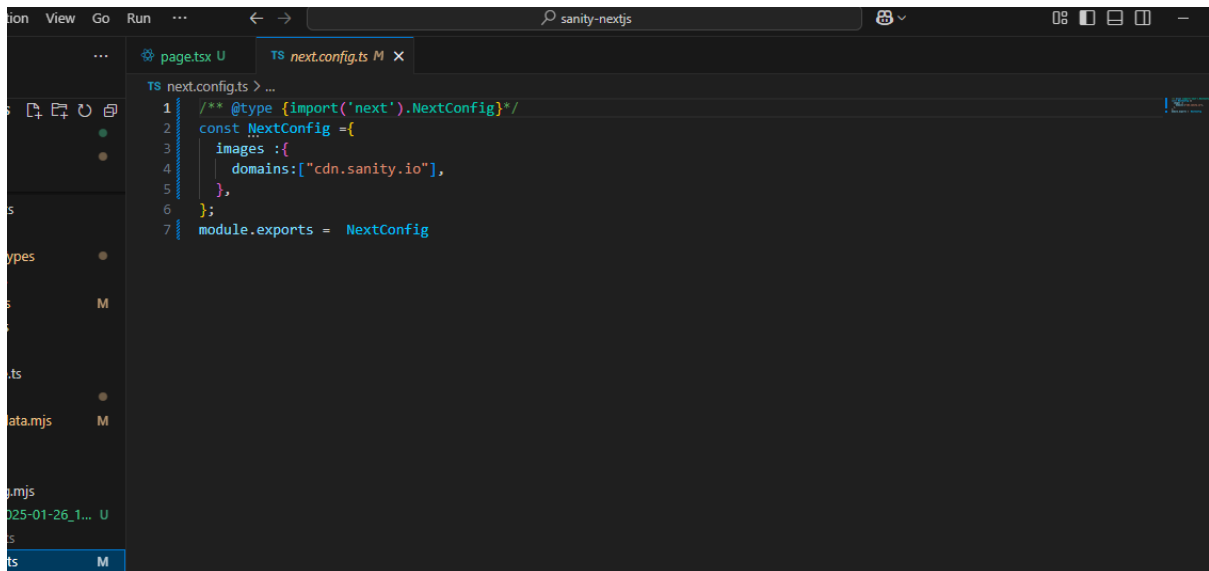


```
src > sanity > schemaTypes > TS index.ts > schema
1 import { type SchemaTypeDefinition } from 'sanity';
2 import chef from './chefs';
3 import food from './foods';
4
5 export const schema: { types: SchemaTypeDefinition[] } = {
6   types: [food, chef],
7 };
8
```

```
{
  "name": "sanity-nextjs",
  "version": "0.1.0",
  "private": true,
  "type": "module",
  "scripts": {
    "dev": "next dev",
    "build": "next build",
    "start": "next start",
    "lint": "next lint",
    "import-data": "node src/scripts/import-data.mjs"
  },
  "dependencies": {
    "@sanity/image-url": "^1.1.0",
    "@sanity/vision": "^3.70.0",
    "axios": "^1.7.9",
    "dotenv": "^16.4.7",
    "next": "15.1.4",
    "next-sanity": "^9.8.38",
    "react": "^19.0.0",
    "react-dom": "^19.0.0",
    "react-icons": "^5.4.0",
    "react-is": "^19.0.0",
    "sanity": "^3.70.0",
    "styled-components": "^6.1.14"
  },
  "devDependencies": {
    "@eslint/eslintrc": "^3",
    "@types/node": "^20",
    "@types/react": "^19",
    "@types/react-dom": "^19",

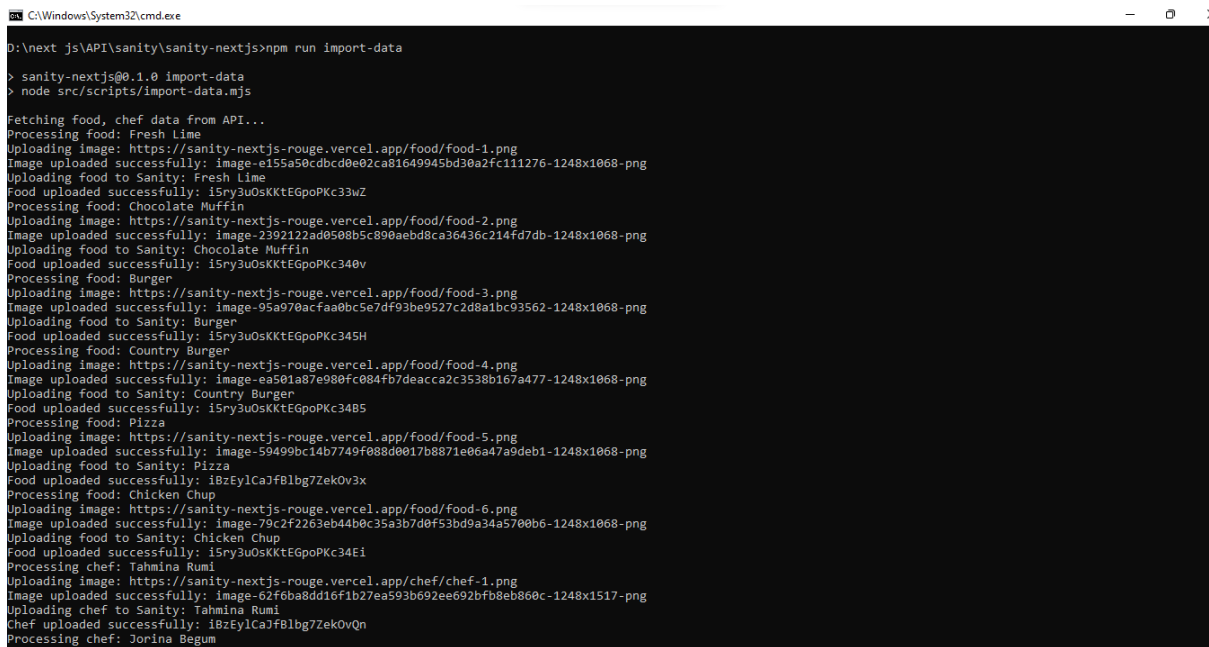
```

Data Migration (SANITY):



The screenshot shows the Visual Studio Code editor with the file `next.config.ts` open. The code defines a Next.js configuration object with an `images` section. The `domains` array includes `"cdn.sanity.io"`. The file is part of a project named `sanity-nextjs`.

```
1 /** @type {import('next').NextConfig} */
2 const NextConfig = {
3   images: {
4     domains: ["cdn.sanity.io"],
5   },
6 };
7 module.exports = NextConfig
```



The screenshot shows a terminal window running the command `npm run import-data` in the `sanity-nextjs` project. The output shows the script successfully uploading food and chef data to Sanity. The data includes food items like Fresh Lime, Chocolate Muffin, Burger, Country Burger, and Pizza, as well as chefs Tahmina Rumi and Jorina Begum. Each item's image is uploaded from a Vercel CDN and its metadata is stored in Sanity.

```
D:\next js\API\sanity\sanity-nextjs>npm run import-data
> sanity-nextjs@0.1.0 import-data
> node src/scripts/import-data.mjs

Fetching food, chef data from API...
Processing food: Fresh Lime
Uploading image: https://sanity-nextjs-rouge.vercel.app/food/food-1.png
Image uploaded successfully: image-e155a50cdbc0e02ca81649945bd30a2fc111276-1248x1068-png
Uploading food to Sanity: Fresh Lime
Food uploaded successfully: i5ry3u0sKKtEGpoPKc33wZ
Processing food: Chocolate Muffin
Uploading image: https://sanity-nextjs-rouge.vercel.app/food/food-2.png
Image uploaded successfully: image-2392122ad0508b5c890aebd8ca36436c214fd7db-1248x1068-png
Uploading food to Sanity: Chocolate Muffin
Food uploaded successfully: i5ry3u0sKKtEGpoPKc340v
Processing food: Burger
Uploading image: https://sanity-nextjs-rouge.vercel.app/food/food-3.png
Image uploaded successfully: image-95a970acfaa0bc5e7df93be9527c2d8a1bc93562-1248x1068-png
Uploading food to Sanity: Burger
Food uploaded successfully: i5ry3u0sKKtEGpoPKc345H
Processing food: Country Burger
Uploading image: https://sanity-nextjs-rouge.vercel.app/food/food-4.png
Image uploaded successfully: image-ea501a87e980fc084fb7deacca2c3538b167a477-1248x1068-png
Uploading food to Sanity: Country Burger
Food uploaded successfully: i5ry3u0sKKtEGpoPKc3485
Processing food: Pizza
Uploading image: https://sanity-nextjs-rouge.vercel.app/food/food-5.png
Image uploaded successfully: image-59499bc14b7749f088d0017b8871e06a47a9deb1-1248x1068-png
Uploading food to Sanity: Pizza
Food uploaded successfully: i8ZfYlCaJf8lbg7ZekOv3x
Processing food: Chicken Chup
Uploading image: https://sanity-nextjs-rouge.vercel.app/food/food-6.png
Image uploaded successfully: image-79c2f2263eb44b0c35a3b7d0f53bd9a34a5700b6-1248x1068-png
Uploading food to Sanity: Chicken Chup
Food uploaded successfully: i5ry3u0sKKtEGpoPKc34Ei
Processing chef: Tahmina Rumi
Uploading image: https://sanity-nextjs-rouge.vercel.app/chef/chef-1.png
Image uploaded successfully: image-62f6ba8dd16f1b27ea593b692ee692bfb8eb860c-1248x1517-png
Uploading chef to Sanity: Tahmina Rumi
Chef uploaded successfully: i8ZfYlCaJf8lbg7ZekOvQn
Processing chef: Jorina Begum
```

next-server (v15.1.4)

Processing chef: William Rumi

Uploading image: https://sanity-nextjs-rouge.vercel.app/chef/chef-6.png

Image uploaded successfully: image-ef1c3b9ecfd9bc1aad0a931c6b4c564d6939e4f8-1248x1517-png

Uploading chef to Sanity: William Rumi

Chef uploaded successfully: i5ry3u0sKKtEGpoPKc34oH

Data import completed successfully!

D:\next js\API\sanity\sanity-nextjs>npm run dev

> sanity-nextjs@0.1.0 dev

> next dev

▲ Next.js 15.1.4

- Local: http://localhost:3000

- Network: http://192.168.0.179:3000

- Environments: .env.local

✓ Starting...

✓ Ready in 4s

o Compiling / ...

✓ Compiled / in 11.4s (661 modules)

✓ Compiled in 1237ms (305 modules)

GET / 200 in 12741ms

o Compiling /favicon.ico ...

✓ Compiled /favicon.ico in 1424ms (353 modules)

GET /favicon.ico 200 in 1751ms

o Compiling /studio/[...tool]] ...

✓ Compiled /studio/[...tool]] in 32.8s (4743 modules)



+ Create



Content



Food



Chef



+

Create

Structure

Vision

Schedules

Tasks

Content

Food

Chef

Food

Search list

Chicken Chup

Pizza

Country Burger

Burger

Chocolate Muffin

Fresh Lime

Chicken Chup

Food

Chicken Chup

Food Name

Chicken Chup

Category

Category of the food item (e.g., Burger, Sandwich, Drink, etc.)

Appetizer

Current Price

Published 4 min. ago

Publish

What's new

Sanity Create Content Mapping, Visual Editing, and Content Releases

+

Create

Structure

Vision

Schedules

Tasks

DATASET

API VERSION

CUSTOM API VERSION

PERSPECTIVE

QUERY URL [COPY TO CLIPBOARD]

production

Other

v2025-01-14

raw

https://xbqrez1m.api.sanity.io/v2025-01-14/data/query/ƒ

QUERY

PARAMS

1

*[type ==foods]

What's new

Sanity Create Content Mapping, Visual Editing, and Content Releases

LT

46 items

: {…} 7 properties

_type: system.group

_id: __groups.administrator

_updatedAt: 2025-01-24T10:03:56Z

grants: {…} 2 items

0: {…} 2 properties

permissions: {…} 4 items

filter: _id in path("**")

1: {…} 2 properties

permissions: {…} 4 items

filter: (_id in path("**")) && _id in path("drafts.**")

_createdAt: 2025-01-23T15:13:47Z

members: {…} 1 item

0: pCpsoxXT8

Fetch

Listen

Execution: 13ms

End-to-end: 275ms

Save result as

JSON

CSV

+

Create

Structure

Vision

Schedules

Tasks

DATASET

API VERSION

CUSTOM API VERSION

PERSPECTIVE

QUERY URL [COPY TO CLIPBOARD]

production

Other

v2025-01-14

raw

https://xbqrez1m.api.sanity.io/v2025-01-14/data/query/ƒ

QUERY

PARAMS

1

*[type ==chefs]

What's new

Sanity Create Content Mapping, Visual Editing, and Content Releases

RESULT

[…] 46 items

0: {…} 7 properties

members: {…} 1 item

0: pCpsoxXT8

_rev: z05Cxc01bGw7CBDJ0q525N

_type: system.group

_id: __groups.administrator

_updatedAt: 2025-01-24T10:03:56Z

grants: {…} 2 items

0: {…} 2 properties

filter: _id in path("**")

permissions: {…} 4 items

1: {…} 2 properties

filter: (_id in path("**")) && _id in path("drafts.**")

permissions: {…} 4 items

Fetch

Listen

Execution: 15ms

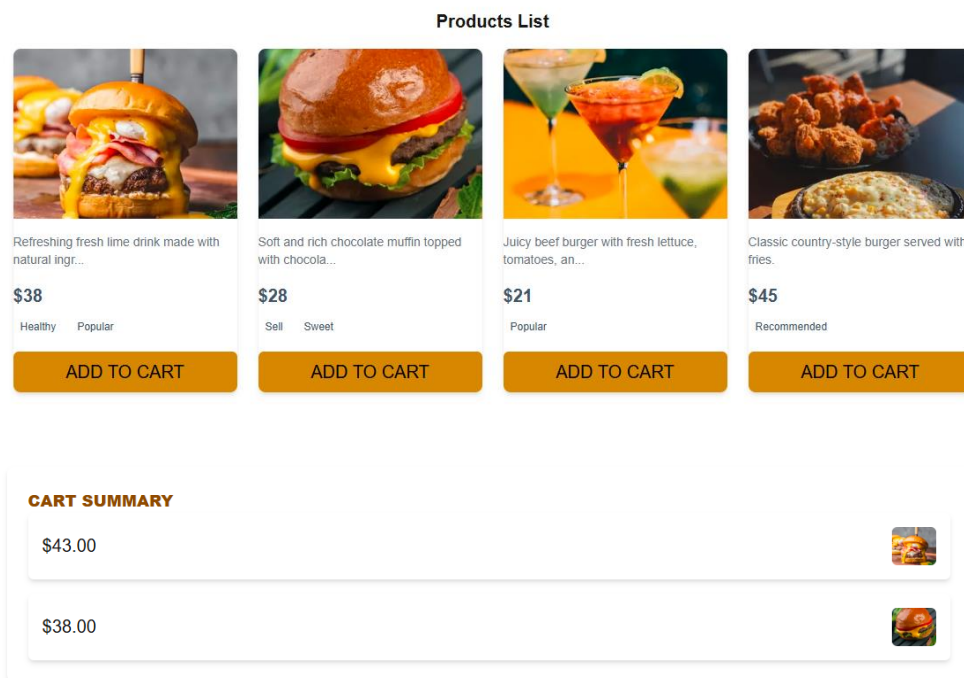
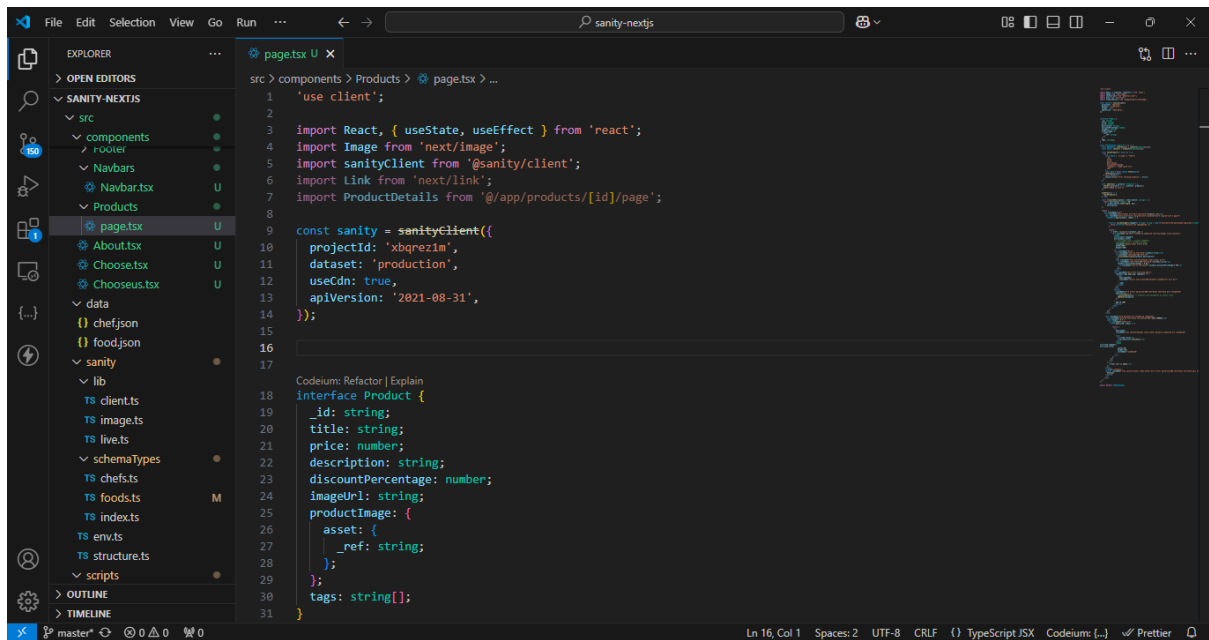
End-to-end: 242ms

Save result as

JSON

CSV

ADD TO CART (FUNCTIONALITY):



CONCLUSION:

ALL MENTIONED STEPS ARE DONE.

THE END

