

API INTEGRATION AND DATA MIGRATION DAY - 3

```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.19045.5371]
(c) Microsoft Corporation. All rights reserved.

D:\Hackathon GIAIC\sanityassign-day3>npx create-next-app .
✓ Would you like to use TypeScript? ... No / Yes
✓ Would you like to use ESLint? ... No / Yes
✓ Would you like to use Tailwind CSS? ... No / Yes
✓ Would you like your code inside a `src/` directory? ... No / Yes
✓ Would you like to use App Router? (recommended) ... No / Yes
✓ Would you like to use Turbopack for `next dev`? ... No / Yes
✓ Would you like to customize the import alias (`@/*` by default)? ... No / Yes
Creating a new Next.js app in D:\Hackathon GIAIC\sanityassign-day3.

Using npm.

Initializing project with template: app-tw

Installing dependencies:
- react
- react-dom
- next

Installing devDependencies:
- typescript
- @types/node
- @types/react
- @types/react-dom
- postcss
- tailwindcss
```

```
C:\Windows\System32\cmd.exe
D:\Hackathon GIAIC\sanityassign-day3>npm create sanity@latest . -- --template clean --dataset production

> sanityassign-day3@0.1.0 npx
> create-sanity . --template clean --dataset production

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

? Create a new project or select an existing one Create new project
? Your project name: sanityassign-day3
? Choose dataset visibility - this can be changed later Public (world readable)
? Creating dataset
? 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
? 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.
```

```
C:\Windows\System32\cmd.exe
added 916 packages, and audited 1290 packages in 5m
246 packages are looking for funding
  run `npm fund` for details

found 0 vulnerabilities

added 16 packages, and audited 1306 packages in 22s
246 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:\Hackathon GIAIC\sanityassign-day3>code .

D:\Hackathon GIAIC\sanityassign-day3>npm run dev

> sanityassign-day3@0.1.0 dev
> next dev --turbo

  ▲ Next.js 15.1.5 (Turbopack)
  - Local:      http://localhost:3000
  - Network:    http://192.168.1.104:3000
  - Environments: .env.local

  @ Starting...
  Attention: Next.js now collects completely anonymous telemetry regarding usage.
```

Saber Gaming

sanityassign-day3

30 days left in trial

SA

PLAN

Growth Trial

STATUS

Active

PROJECT ID

dijc1kna

Getting startedOverviewMembersStudiosDatasetsAccessActivityUsagePlanAPISettings

Webhooks

CORS origins

Tokens

GROQ-powered webhooks

HTTP callbacks to a given URL triggered by changes in your content lake

Learn more about webhooks

+ Create webhook

0 of 2 webhooks (2 included in plan)

Get more webhooks

Saber Gaming

sanityassign-day3

30 days left in trial

Getting startedOverviewMembersStudiosDatasetsAccessActivityUsagePlanAPISettings

Webhooks

CORS origins

Tokens

CORS origins

Hosts that can connect to the project API.

ORIGIN	CREDENTIALS	CREATED	
http://localhost:3000	Allowed	34 minutes	🗑
http://localhost:3333	Allowed	35 minutes	🗑

+ Add CORS origin

Saber Gaming

sanityassign-day3

30 days left in trial

Getting started

Overview

Members

Studios

Datasets

Access

Activity

Usage

Plan

API

Settings

Webhooks

CORS origins

Tokens

Tokens

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

Name

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

daythree

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)

Save

Cancel

Saber Gaming

sanityassign-day3

30 days left in trial

Getting started

Overview

Members

Studios

Datasets

Access

Activity

Usage

Plan

API

Settings

Webhooks

CORS origins

Tokens

Tokens

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

NAME

PERMISSIONS

CREATED

daythree

Developer

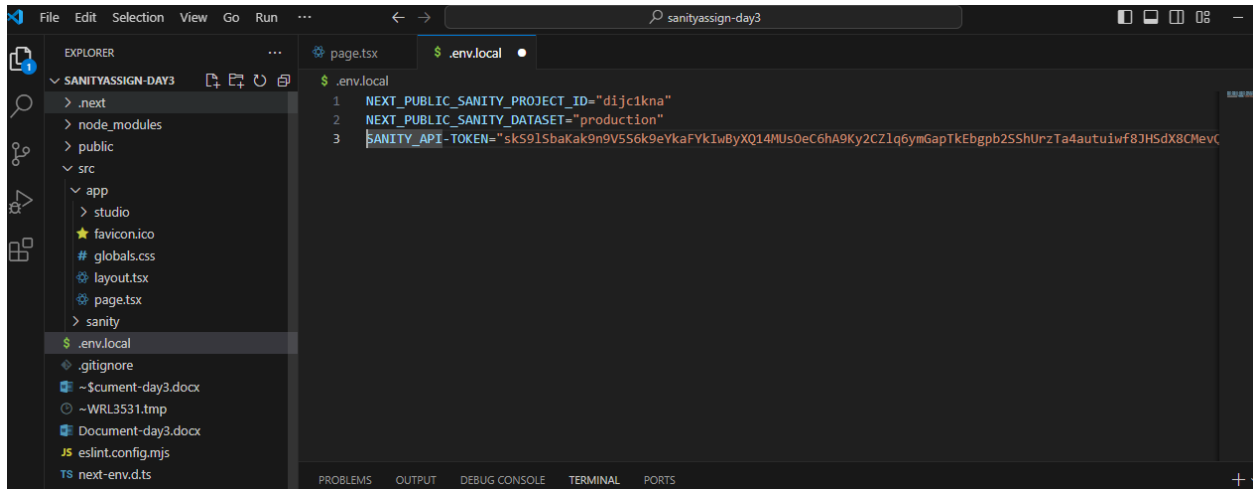
just now

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

skS9lSbaKak9n9V5S6k9eYkaFYkIwByXQ14MU5OeC6hA9Ky2CZlq6ymGapTkEbgpb2SShUrzTa4autuiwf8JHSdx8CMevQ70MxpXxOWXJE29ZnSdGJpLL4M8KgT3KgFt9FG63jWJOjeYEcHALMnllJ85tUprGZppAqJtKyUBzoGwcYAmLNk

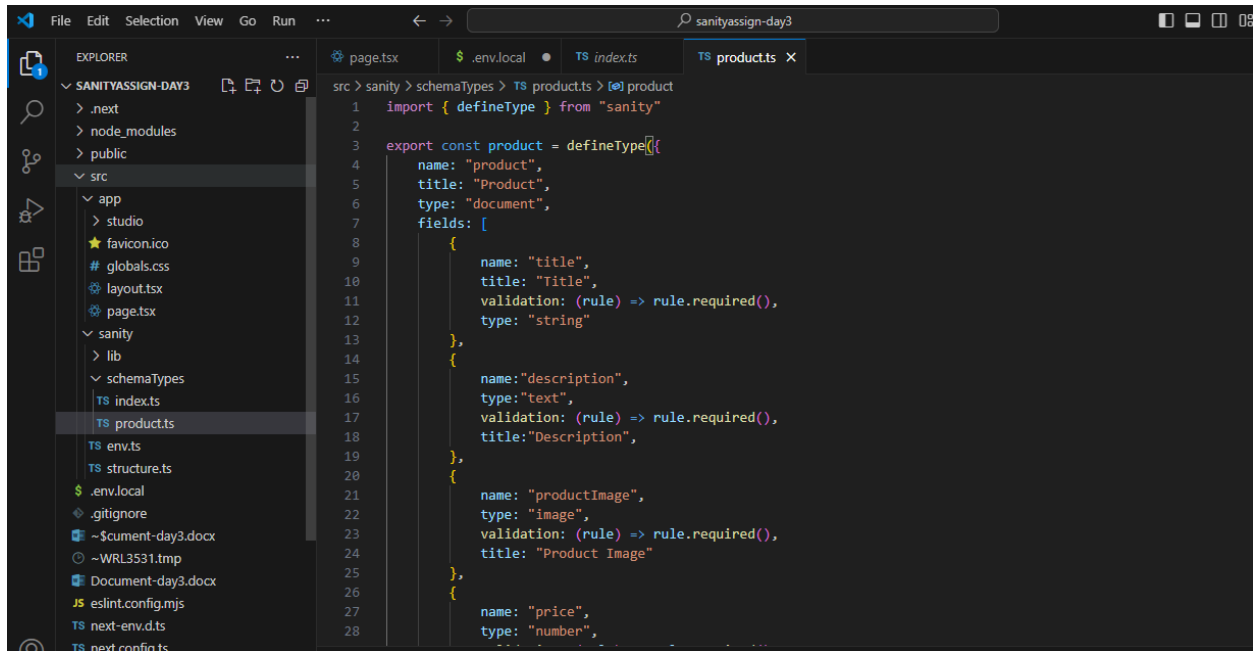
API TOKEN

skS9lSbaKak9n9V5S6k9eYkaFYkIwByXQ14MU5OeC6hA9Ky2CZlq6ymGapTkEbgpb2SShUrzTa4autuiwf8JHSdx8CMevQ70MxpXxOWXJE29ZnSdGJpLL4M8KgT3KgFt9FG63jWJOjeYEcHALMnllJ85tUprGZppAqJtKyUBzoGwcYAmLNk



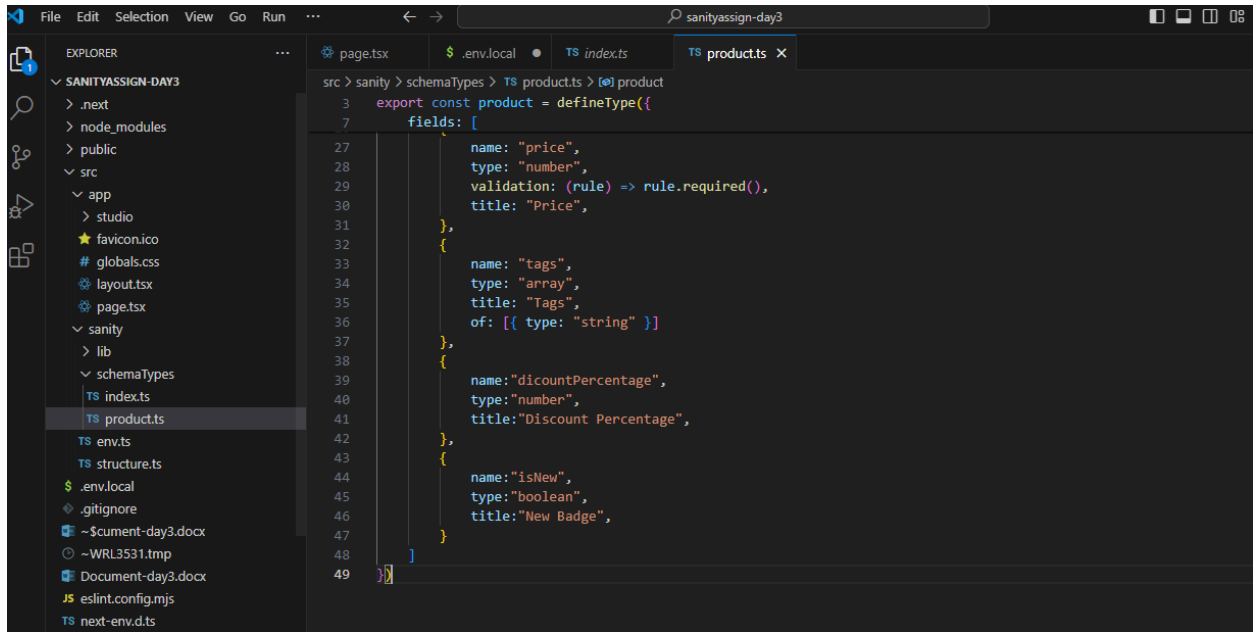
This screenshot shows the VS Code editor with the Explorer sidebar on the left displaying the project structure. The file `.env.local` is selected. The main editor area shows the contents of `.env.local` with three lines of environment variables.

```
1 NEXT_PUBLIC_SANITY_PROJECT_ID="dijc1kna"
2 NEXT_PUBLIC_SANITY_DATASET="production"
3 SANITY_API-TOKEN="skS91SbaKak9n9V556k9eYkaFYkIwByXQ14MUsoeC6hA9Ky2CZ1q6ymGapTkEbgpb25ShUnzTa4autu1wf8JHsdX8CMevC"
```

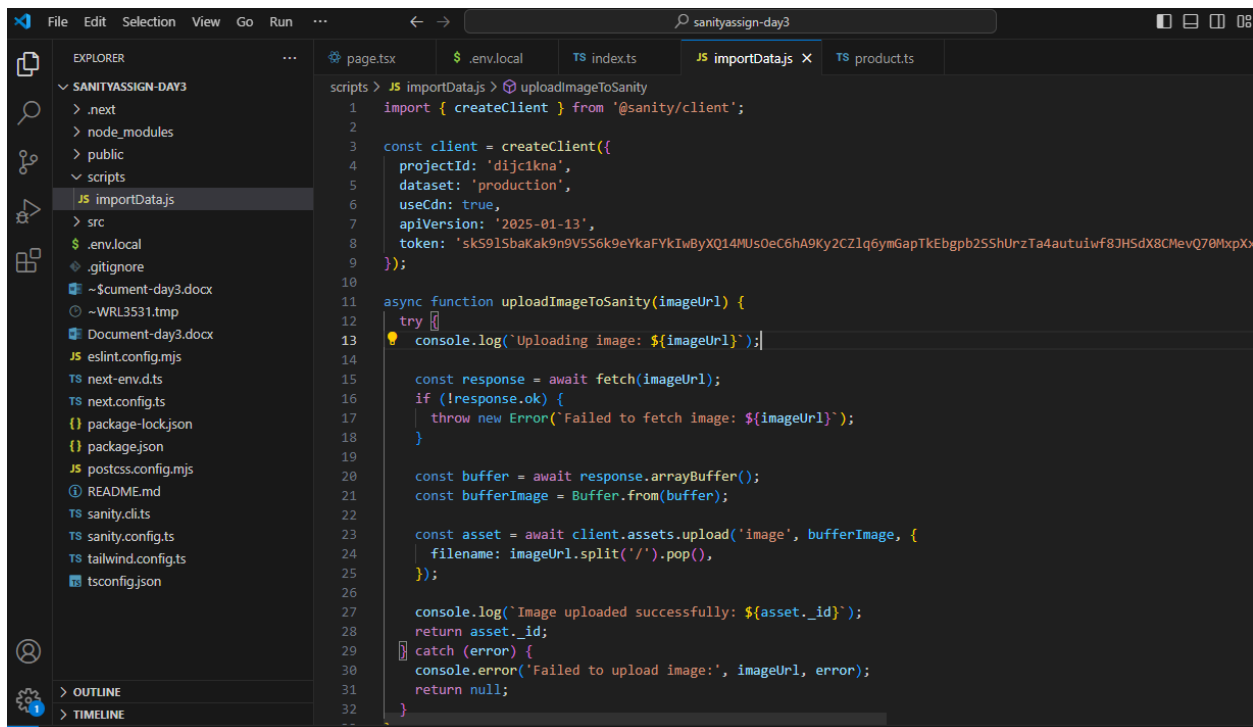


This screenshot shows the VS Code editor with the Explorer sidebar on the left. The file `TS products.ts` is selected. The main editor area shows the contents of `TS products.ts` with a TypeScript interface definition for a product.

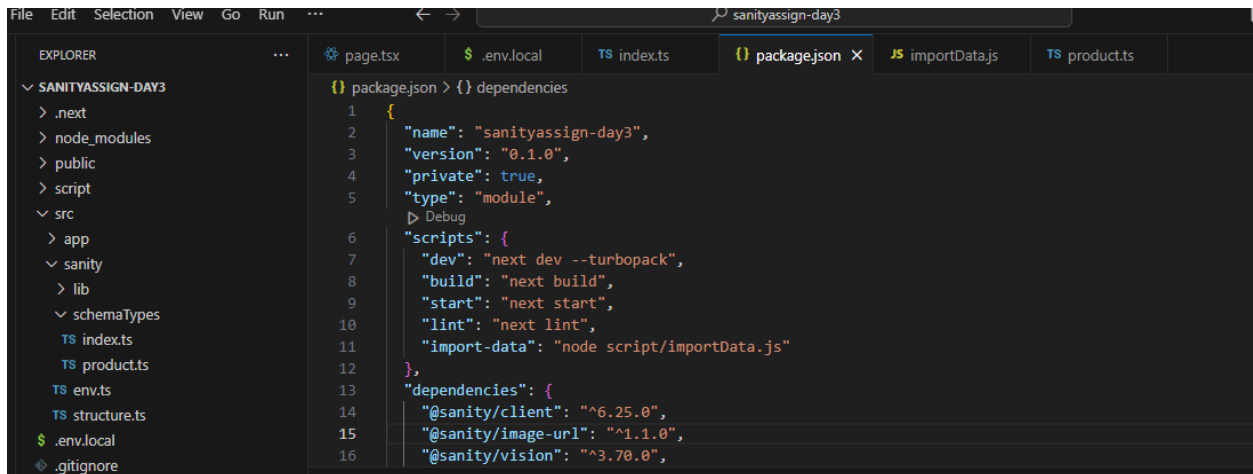
```
src > sanity > schemaTypes > TS products.ts > [0] product
1 import { defineType } from "sanity"
2
3 export const product = defineType({
4   name: "product",
5   title: "Product",
6   type: "document",
7   fields: [
8     {
9       name: "title",
10      title: "Title",
11      validation: (rule) => rule.required(),
12      type: "string"
13    },
14    {
15      name: "description",
16      type: "text",
17      validation: (rule) => rule.required(),
18      title: "Description",
19    },
20    {
21      name: "productImage",
22      type: "image",
23      validation: (rule) => rule.required(),
24      title: "Product Image"
25    },
26    {
27      name: "price",
28      type: "number",
```



```
src > sanity > schemaTypes > TS products.ts > product
3   export const product = defineType({
7     fields: [
27       {
28         name: "price",
29         type: "number",
30         validation: (rule) => rule.required(),
31         title: "Price",
32       },
33       {
34         name: "tags",
35         type: "array",
36         title: "Tags",
37         of: [{ type: "string" }]
38       },
39       {
40         name: "discountPercentage",
41         type: "number",
42         title: "Discount Percentage",
43       },
44       {
45         name: "isNew",
46         type: "boolean",
47         title: "New Badge",
48       }
49     ]
50   });
```



```
scripts > JS importData.js > uploadImageToSanity
1   import { createClient } from '@sanity/client';
2
3   const client = createClient({
4     projectId: 'dijc1kna',
5     dataset: 'production',
6     useCdn: true,
7     apiVersion: '2025-01-13',
8     token: 'skS9lSbaKak9n9V5S6k9eYkaFYkIwByXQ14MUsoeC6hA9Ky2CZlq6ymGapTkEbgpb2SShUrzTa4autuiwf8JH5dX8CMevQ70MxpXx
9   });
10
11  async function uploadImageToSanity(imageUrl) {
12    try {
13      console.log(`Uploading image: ${imageUrl}`);
14
15      const response = await fetch(imageUrl);
16      if (!response.ok) {
17        throw new Error(`Failed to fetch image: ${imageUrl}`);
18      }
19
20      const buffer = await response.arrayBuffer();
21      const bufferImage = Buffer.from(buffer);
22
23      const asset = await client.assets.upload('image', bufferImage, {
24        filename: imageUrl.split('/').pop(),
25      });
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  }
```



The screenshot shows the VS Code editor with the 'package.json' file open. The file contains the following content:

```
{
  "name": "sanityassign-day3",
  "version": "0.1.0",
  "private": true,
  "type": "module",
  "scripts": {
    "dev": "next dev --turbo",
    "build": "next build",
    "start": "next start",
    "lint": "next lint",
    "import-data": "node script/importData.js"
  },
  "dependencies": {
    "@sanity/client": "^6.25.0",
    "@sanity/image-url": "^1.1.0",
    "@sanity/vision": "^3.70.0"
  }
}
```

npm install @sanity/client axios dotenv (run on terminal)

node scrip/importData.js (add "type": "module", & "import-data": "node script/importData.js" in package.json file)

npm run import-data (run on terminal, data will be add in sanity)

