## **API INTEGRATION AND MIGRATION**

#### Install sanity

```
√ You are logged in as aiahtisham24@gmail.com using Google
√ Fetching existing projects
 ? Create a new project or select an existing one Create new project
Your project name: My Sanity Project
Your content will be stored in a dataset that can be public or private, depending on whether you want to query your content with or without authentication.
The default dataset configuration has a public dataset named "production".
 ? Use the default dataset configuration? Yes

√ 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
P 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 Blog (schema)
? 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 @sanity/icons'
added 918 packages, changed 1 package, and audited 1292 packages in 2m
242 packages are looking for funding run `npm fund` for details
1 moderate severity vulnerability
To address all issues, run: npm audit fix --force
Run `npm audit` for details.
added 9 packages, and audited 1301 packages in 10s
```

### Succeful run

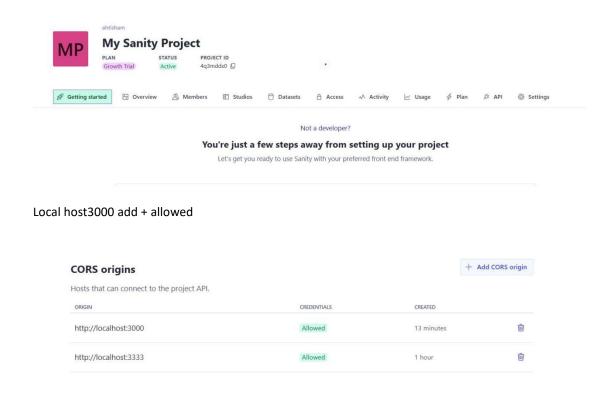
```
Run `npm audit` for details.

added 9 packages, and audited 1301 packages in 10s

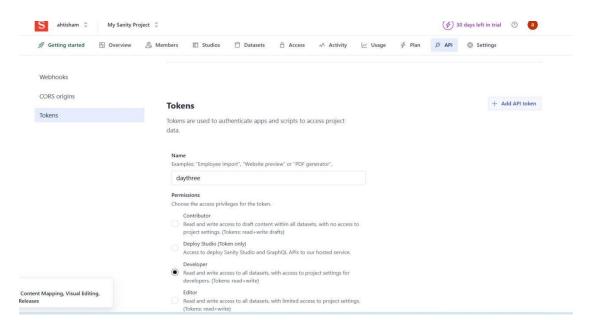
242 packages are looking for funding
242 packages are looking for funding
run `npm fund` for details

Success! Your Sanity configuration files has been added to this project
PS C:\Users\DELL\Desktop\hackathon03\UIUXhackathon>
```

New project build in sanity website



## Token generate step



Token generated

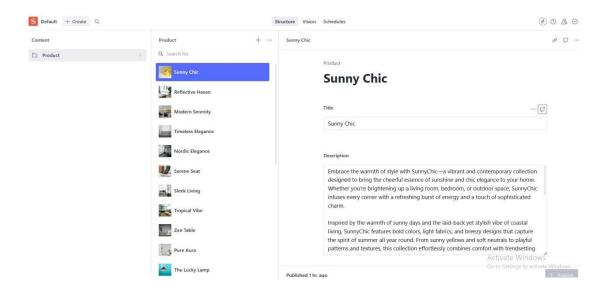


# **API INTEGRATION AND MIGRATION**

```
$ .env.local
    EXPLORER
                                src > sanity > schemaTypes > TS product.ts > [ø] product
1 import { defineType } from "sanity"
  V UIUXHACKATHON
                                        export const product = defineType({
    > public
                                             name: "product",
title: "Product",
type: "document",
fields: [
                                                         name: "title",
title: "Title"
      TS authorType.ts U
                                                        validation: (rule) => rule.required(),
type: "string"
      TS postType.ts U
TS product.ts U
                                                         (property) validation: (rule: Rule) => Rule
                                                         validation: (rule) => rule.required(),
   eslintrc.json
                                                        name: "productImage",
type: "image",
                                                         title: "Product Image
    TS next.config.ts
   {} package.json M
                                                         name: "price",
type: "number",
    JS postcss.config.mjs
   ① README.md
                                                         validation: (rule) => rule.required(),
   TS sanity.cli.ts U
TS sanity.config.ts U
                                PROBLEMS (1) OUTPUT DEBUG CONSOLE TERMINAL PORTS SPELL CHECKER (1)
   TS tailwind.config.ts ● PS C:\Users\DELL\Desktop\hackathon@3\UIUXhackathon> npm create sanity@latest

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√ Fetching existing projects

   stsconfig.json
  > OUTLINE
                                ? Create a new project or select an existing one Create new project ? Your project name: My Sanity Project
  > TIMELINE
$° main* ↔ ⊗ 0 🛆 0 🛈 1 🕍 0
```





```
V UUXHA...[¹, [², [²] ひ ⑤ scripts > J5 importDatajs > ⑥ uploadImageToSanity

> next 1 import { createClient } from '@sanity/client';
                                         const client = createclient({
    projectId: '4q3mddge',
    dataset: 'production',
    usecdn: true,
    apiversion: '2025-01-13',
    token: "skDUAheHSISorB7acQ4pTK4BF71aHiiel8ioX9uPa0wjq0P7Vp8R4eXMFvWXjup3LQZCbjJTHolKxPoHLTK3SAkGQrvNqRVZakTkrmIASj
   > public
   JS importData.js U
   gitignore
                                           async function uploadImageToSanity(imageUrl) {
   TS next.config.ts
  {} package-lock.json M
                                                 console.log(`Uploading image: ${imageUrl}`);
                                                const response = await fetch(imageUrl);
if (!response.ok) {
   JS postcss.config.mjs
                                                   throw new Error(`Failed to fetch image: ${imageUrl}`);
  TS tailwind.config.ts
                                                const buffer = await response.arrayBuffer();
const bufferImage = Buffer.from(buffer);
  s tsconfig.json
                                                const asset = await client.assets.upload('image', bufferImage, {
   filename: imageUrl.split('/').pop(),
                                                console.log(`Image uploaded successfully: ${asset._id}`);
return asset._id;
                                  PROBLEMS (5) OUTPUT DEBUG CONSOLE TERMINAL PORTS SPELL CHECKER (5)
                                  To address all issues, run: npm audit fix --force
 > OUTLINE
                                Run `npm audit` for details.

PS C:\Users\DELL\Desktop\hackathon03\UIUXhackathon> npm run import-data[]
 > TIMELINE
    ain* ↔ ⊗n An O 5 W n
                                  JS importData.js U TS product.ts U X {} package.json M

    ✓ UIUXHA... [‡ 日 ひ 日 src > sanity > schemaTypes > TS product.ts > [6] product.

                                             import { defineType } from "sanity
                                            export const product = defineType({
    name: "product",
    title: "Product",
    type: "document",
    fields: [
   > public
                                                               name: "title",
title: "Title",
                                                               validation: (rule) => rule.required(),
type: "string"
                                                                name: "description",
                                                               type:"text",
validation: (rule) => rule.required(),
title:"Description",
      TS index.ts
   TS index.ts
TS postType.ts U
TS product.ts U
TS convis U
                                                               name: "productImage",
type: "image",
validation: (rule) => rule.required(),
title: "Product Image"
  .gitignore
                                                               name: "price",
type: "number",
validation: (rule) => rule.required(),
  {} package-lock.json M
  {} package.json
  JS postcss.config.mis
                                    PROBLEMS (6) OUTPUT DEBUG CONSOLE TERMINAL PORTS SPELL CHECKER (6)
  ① README.md
                                   To address all issues, run:
npm audit fix --force
 TS tailwind.config.ts
> OUTLINE
                                  Run `npm audit` for details.
O PS C:\Users\DELL\Desktop\hackathon03\UIUXhackathon> npm run import-data[]
> TIMELINE
9 main* ↔ ⊗ 0 🛆 0 🛈 6 👾 0
```

```
EXPLORER
                        JS importData.js U
                                             TS product.ts U
                                                                {} package.json M X
UIUXHA... [] [] [] []
                         {} package.json > {} scripts > In import-data
                                  "name": "my-app",
> node_modules
                                  "version": "0.1.0",
> public
                                  "private": true,

✓ scripts

                                  "type": "module",
                           5
 JS importData.js
                                   ▶ Debug
> src
                                  "scripts": {
                                    "dev": "next dev --turbopack",
                                    "build": "next build",
eslintrc.json
                                    "start": "next start",
gitignore
                                    "lint": "next lint",
                          10
                                    "import-data": "node script/importData.js"
                          11
TS next.config.ts
{} package-lock.json M
                                  "dependencies": {
                                     "@sanity/client": "^6.25.0",
{} package.json
                                     "@sanity/icons": "^3.5.7",
JS postcss.config.mjs
                                     "@sanity/image-url": "^1.1.0",
① README.md
                                     "@sanity/vision": "^3.71.0",
TS sanity.cli.ts
                                     "axios": "^1.7.9",
TS sanity.config.ts
```