Hackathon 03 Day 03 Task

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This is my Day 3 GIAIC Hackathon task.

Sanity.io is a powerful headless CMS that allows you to structure content and serve it through an API. Here's how I set up my project:

Install Sanity in the Project

First, I initialized a new Sanity project within my Next.js setup by running the following command:

```
E:\hackathon-giaic>npm create sanity@latest
Need to install the following packages:
  create-sanity@3.70.0
Ok to proceed? (y) y
  You are logged in as muhammadamsal520@gmail.com using Google
  Fetching existing projects
  Create a new project or select an existing one Create new project
 Your project name: temp0api
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
  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
Runn<u>ing</u> 'npm install --legacy-peer-deps<sup>'</sup>--save @sanity/vision@3 sanity@3 @sanity/image-url@1 styled-components@6'
                        NE Unsupported engine {

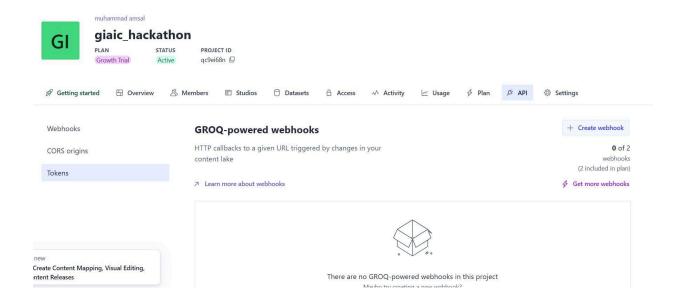
NE package: '@sanity/diff-match-patch@3.1.2',

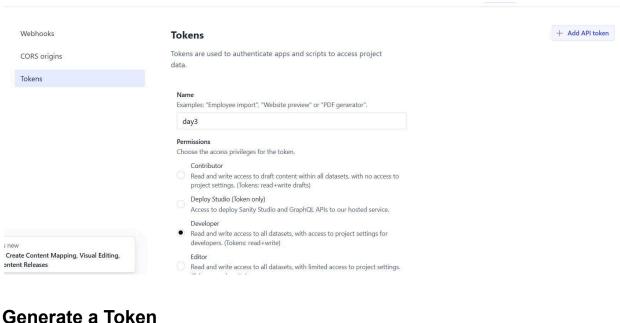
NE required: { node: '>=18.18' },

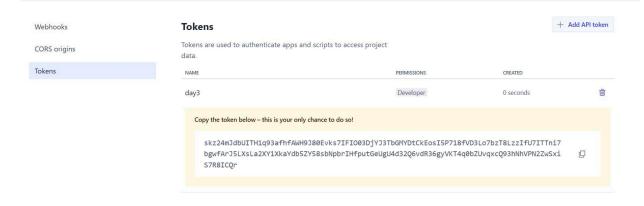
NE current: { node: 'v18.17.0', npm: '9.6.7' }
                     GINE Unsupported engine {
                             package: 'rimraf@c.0.1',
required: { node: '20 || >=22' },
current: { node: 'v18.17.0', npm: '9.6.7' }
                            Unsupported engine {
                              package: 'rimraf@6.0.1',
required: { node: '20 || >=22' },
current: { node: 'v18.17.0', npm: '9.6.7' }
                            Unsupported engine {
```

```
WARN EBADENGINE Unsupported engine {
WARN EBADENGINE package: 'path-scur
                                     package: 'path-scurry@2.0.0'
                                     required: { node: '20 || >=22' },
       WARN EBADENGINE
 npm
                                     current: { node: 'v18.17.0', npm: '9.6.7' }
       WARN EBADENGINE
      WARN EBADENGINE current: { node: 'v
WARN EBADENGINE }
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WARN EBADENGINE package: 'rimraf@6.
WARN EBADENGINE required: { node: 'v
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WARN EBADENGINE package: 'next-sani
WARN EBADENGINE required: { node: 'v
WARN EBADENGINE package: 'next-sani
                                     package: 'rimraf@6.0.1',
required: { node: '20 || >=22' },
current: { node: 'v18.17.0', npm: '9.6.7' }
npm
npm
                                     package: 'next-sanity@9.8.38',
npm
                                     required: { node: '>=18.18' },
       WARN EBADENGINE
npm
      WARN EBADENGINE
                                     current: { node: 'v18.17.0', npm: '9.6.7' }
npm
npm WARN EBADENGINE }
npm WARN EBADENGINE | Unsupported engine {
npm WARN EBADENGINE package: '@sanity/r
npm WARN EBADENGINE required: { node: '\
npm WARN EBADENGINE current: { node: '\
npm WARN EBADENGINE }
                                     package: '@sanity/next-loader@1.2.15',
                                     required: { node: '>=18.18' },
current: { node: 'v18.17.0', npm: '9.6.7' }
added 16 packages, and audited 1292 packages in 15s
239 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
E:\hackathon-giaic>
```

Make a Project in Sanity







MIGRATING DATA TO SANITY

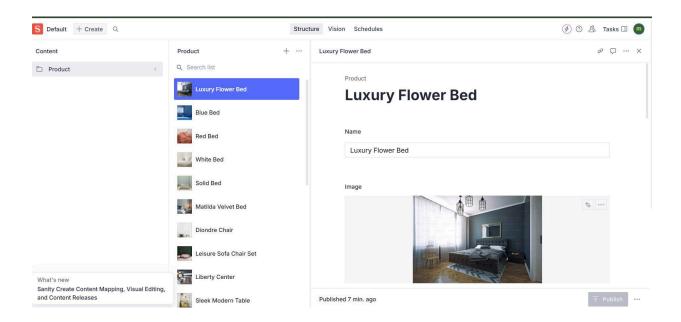
Once the project was initialized, I proceeded to migrate existing content into Sanity. I created schemas to define the content structure:

Create a Schema

```
HACKATHON-GIAIC
                                       [+ F] U ☐ scripts > JS data-migration.mjs > [ client > B token
                                                                         Tabnine | Edit | Test | Explain | Document async function uploadProduct(product) {
                                                                            try {
    const imageId = await uploadImageToSanity(product.imagePath);
   JS data-migration.mjs
                                                                                  const document = {
   _type: 'product'
                                                                                      name: product.name,
                                                                                     image: frouter.name,
image: {
    _type: 'image',
    asset: {
    _ref: imageId,
    },
}
                                                                                     price: parseFloat(product.price), // Ensure the price is a number description: product.description, discountPercentage: product.discountPercentage, isFeaturedProduct; product.isFeaturedProduct,
                                                                                     category: product.category,
 {} package-lock.json
                                                                                  const createdProduct = await client.create(document);
console.log(`Product "${product.name}" uploaded successfully:`, createdProduct);
                                                                                   console.log(`Product "${product.name}" skipped due to image upload failure.`);
                                                                            } catch (error) {
  console.error('Error uploading product:', error);
 OUTLINE
> TIMELINE
```

```
y content content of the product of
```

```
category: 'Bed',
description: 'A modern cantilever chair with a unique floating effect.',
 discountPercentage: 15,
 id: '20',
image: {
   __type. __image ,
asset: {
    __ref: 'image-c02efe31cc7d519664e3b4c4d4608a8b812109e2-1932x1087-jpg'
}
    _type: 'image',
 isFeaturedProduct: true,
 name: 'Blue Bed',
price: 780,
 stockLevel: 5
ploading image: https://plus.unsplash.com/premium_photo-1661886455585-03ddf4347796?q=80&w=2059&auto=format&fit=crop&ixli
fDB8fHx8fA%3D%3D
Image uploaded successfully: image-432c20d55e31514d09985305e657cb342317d57b-2059x1391-jpg
 _createdAt: '2025-01-19T20:23:54Z',
_id: 'AJVJVObFUPWewZSbi6TYfx',
_rev: 'AJVJVObFUPWewZSbi6TYf6',
_type: 'product',
_updatedAt: '2025-01-19T20:23:54Z',
 category: 'Bed',
description: 'A luxurious shell-shaped chair with gold brass metal legs.',
 discountPercentage: 0,
 id: '21',
image: {
   _type:
    asset: {
     _ref:
              'image-432c20d55e31514d09985305e657cb342317d57b-2059x1391-jpg'
 },
isFeaturedProduct: true,
 name: 'Luxury Flower Bed', price: 2500,
 stockLevel: 2
:\hackathon-giaic>
```



• FETCHING DATA FROM SANITY IN NEXT JS

```
        ➤ HACKATHON-GIAIC
        src > app > shop > ⊕ page.tsx > ⊕ page > ⊕ products.map() callback

        > . next
        21

        > node_modules
        22

        > public
        24

        > scripts
        24

        JS data-migration.mjs
        U

        > src
        27

        > api
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        > app
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        > about
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        > account
        31

        > cont
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        > components
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        > images
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        > product
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        > images
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        > product
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        > shop
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        ● page.tsx
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        > page.tsx
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