Day-3 API integration

[Nike-general ecommerce marketplace]

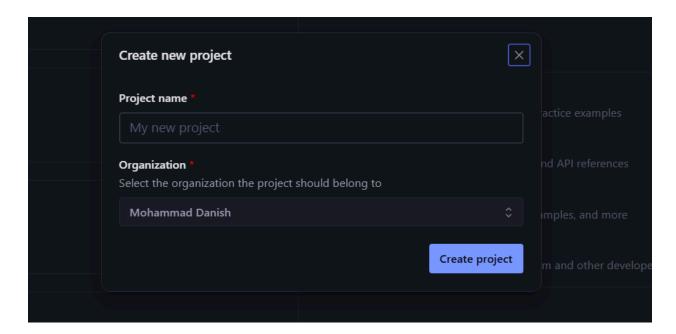
API INTEGRATION PROCESS:

A Step-by-Step Guide to API Integration and Data Migration in Next.js with Sanity

Integrating APIs and managing data migration is a crucial part of modern web development. Recently, I worked on a project involving Sanity, a popular headless CMS, to migrate product data seamlessly. Here's a detailed breakdown of the process I followed:

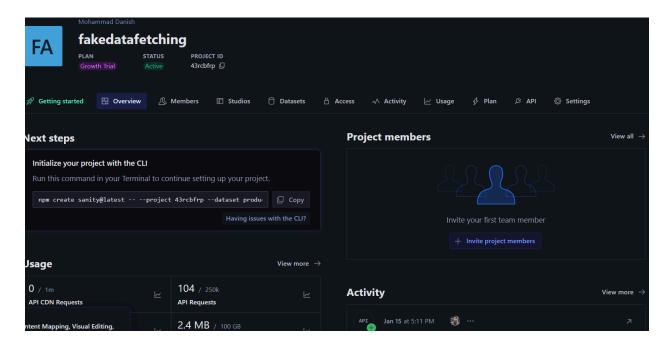
Step 1: Creating a Project in Sanity

The journey begins by setting up a project in Sanity. I navigated to <u>Sanity.io</u> and created a new project by following the simple steps in their user-friendly interface.



Step 2: Running the Command

Once the project was created, Sanity provided a command to set up the required files. I copied this command and ran it in my terminal. This step initialized the Sanity project locally and generated the necessary configuration and schema files.

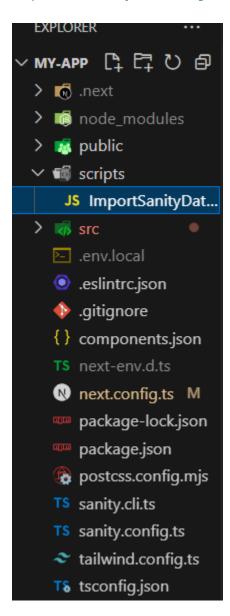


Copy that command and paste it into the terminal:



Step 3: File Structure Setup

After the files were created, I organized my project directory for efficient development. Specifically, I created a folder named script outside the src folder to handle scripts for data migration. Within this folder, I added a file named ImportSanityData.mjs.



Step 4: Adding Migration Code

Next, I pasted the migration code provided by Sir Ameen Alam's day-3 documentation into the ImportSanityData.mjs file. This code serves as the backbone for importing data into the Sanity project. Additionally, I inserted the required API URL into the script to ensure the connection with Sanity's backend.

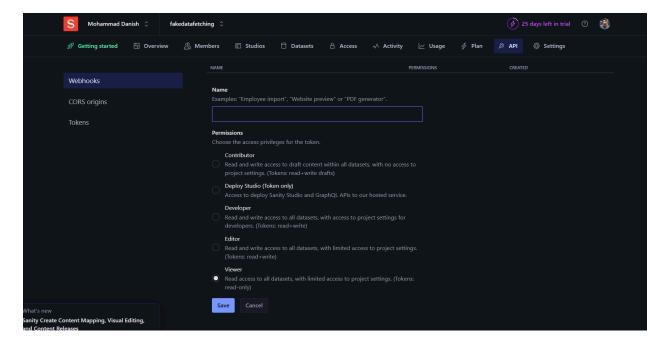
Step 5: Pasting the Schema

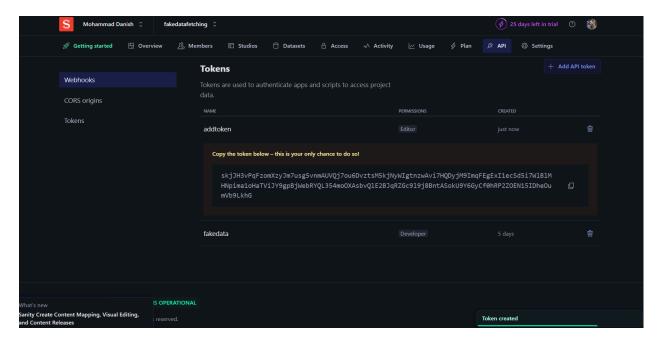
After adding the migration code, I navigated to the Sanity project's schema folder and pasted the custom schema for my data structure. This schema defined the

structure and fields of the product data being migrated, ensuring that the imported data aligned perfectly with the CMS.

Step 6: Generating and Adding a Token

To securely interact with the Sanity API, I opened the Sanity project settings and generated an authentication token.





After copying the token,

I added it to my .env.local file in the Next.js project. It looked something like this:

```
| NEXT PUBLIC_SANITY_DROJECT_ID=""" | NEXT PUBLIC_SANITY_DROJECT_ID="" | NEXT PUBLIC_SANITY_DROJECT_ID=" | NEXT PUBLIC_SANITY_DR
```

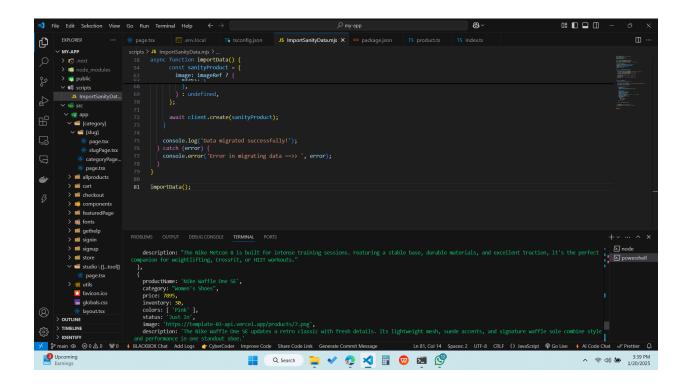
Step 7: Running the Migration Script

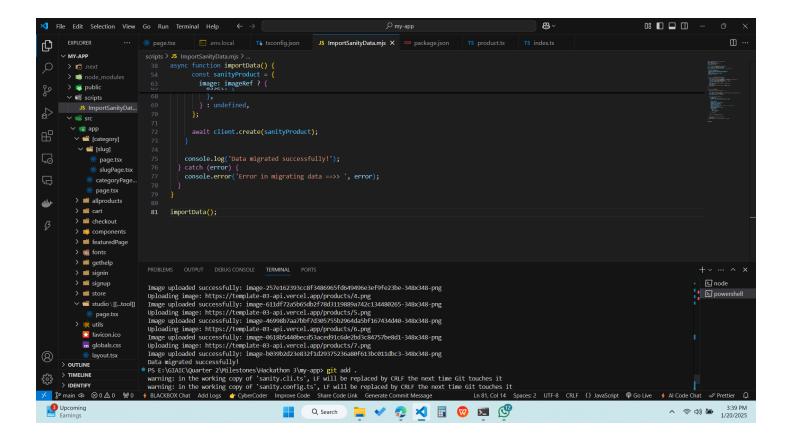
Finally, it was time to start the data migration. I ran the following command in the terminal:

```
npm run import-Data
```

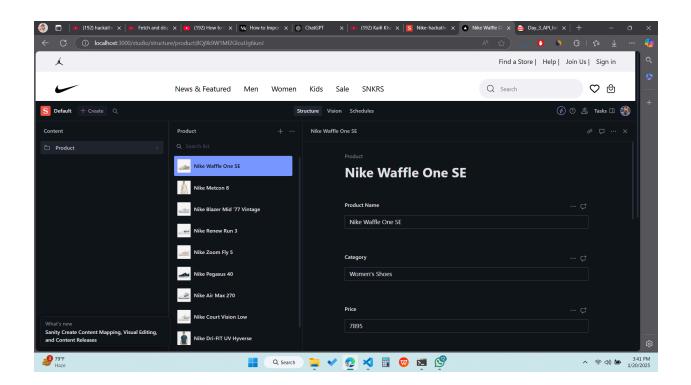
This command executed the script in ImportSanityData.mjs, initiating the migration process. The product data began importing into the Sanity project, and soon, the data was visible in my Sanity structure.

After running the command the process starts and data starts migrating from api to sanity:





After Completion of run npm run dev and head towards the path https://localhost:3000/studio/structure you will see the data in your sanity



By: Mohammad Danish, Day : Saturday 2 to 5, Id: 00037323,