## *Day: 03*

# <u>API INTEGRATION AND DATA MIGRATION</u> <u>REPORT [Nike]:</u>

## **API Integration Process:**

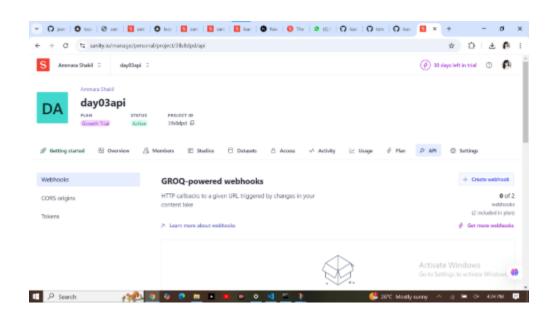
## Goals:

"Goal for day 03 is integrate APIs onto the nextjs project by using given APIs of templates, migrate into the sanity CMS and displaying it on to our frontend"

API integration process for my marketplace (Nike Website) involved in multiple stages to fetch data from given external API migrate it to the sanity CMS and display it onto the frontend.

Here is the breakdown of stages that I have been followed:

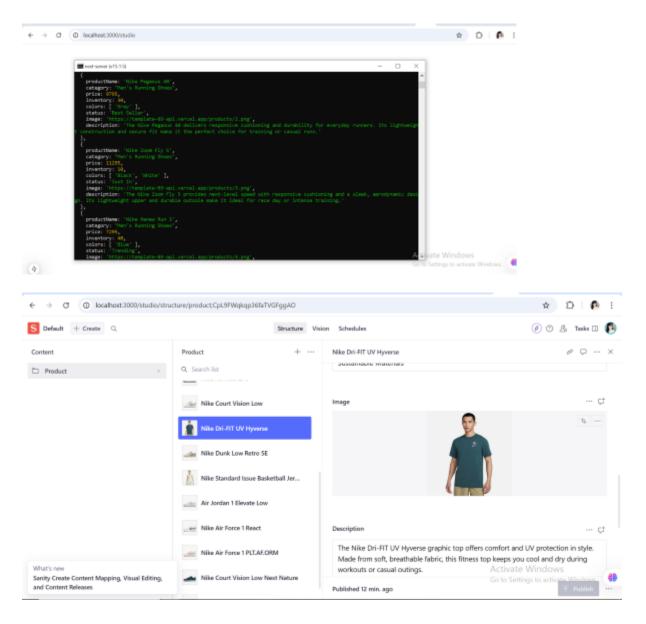
#### **API Token Configuration:**



#### Provided API:

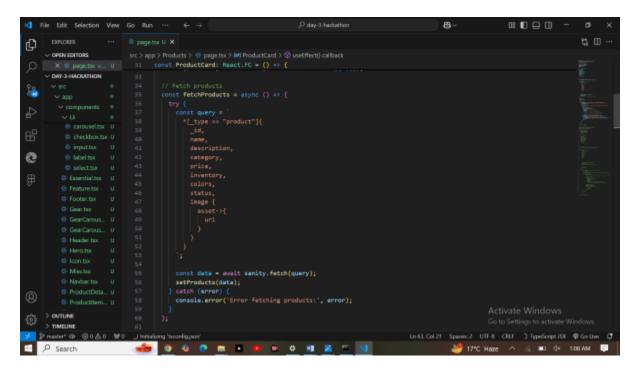
- **External API**: Used provided API of template three (03). There is a data of products like product name, prices, color and description.
- <u>API Token Configuration:</u> Firstly, made an account on sanity. The provided API token and specific ID was securely stored into the env file.
- <u>Data Migration</u>: By the help of specific command and migration script. we migrate data on to sanity CMS. I have chosen sanity to display product data dynamically on frontend.
- <u>Frontend Integration</u>: GET requests were sent to fetch product data using the API token. By using a functional utilities and components display data on to the frontend.

#### MIGRATE DATA:



### Schema Adjustments:

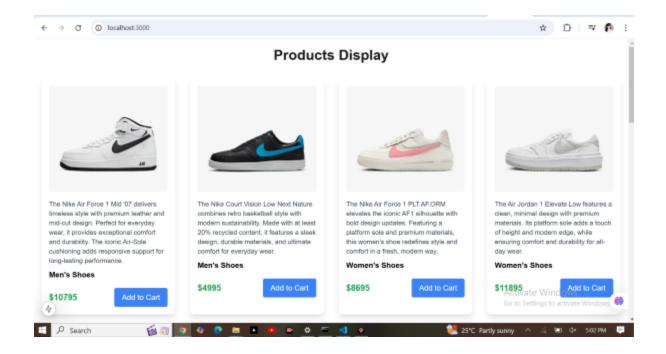
I have configured the schema according to my specific needs and requirements:



**Frontend Integration:** Create a Product list component with the help of react hooks {useState and useEffect} displayed fetched data successfully.

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## Displayed Data:



#### **Conclusion:**

In conclusion, the journey of migrating data from an external API to sanity and then seamlessly fetching and displaying it on a user-friendly frontend is a testament to the power of modern web development. By utilizing sanity as a dynamic content management solution and React hooks for real-time data rendering, we created a smooth and efficient pipeline that bridges the backend and frontend effortlessly. This approach not only optimizes backend-to-frontend communications but also delivers a highly intuitive and interactive user interface.