

Hackathon Day 3: API INTEGRATION AND DATA MIGRATION:

Template 8:

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Overview:

This document provides detail report on API integration and data migration into sanity. This will help to build functional e-commerce site.

Api Integration:

(Understand the API Requirements)

- Review the API documentation provided by the service.
- Identify the **endpoints**, request methods (GET, POST, etc.), and the data format (JSON, XML, etc.).
- <https://giaic-hackathon-template-08.vercel.app/api/products>
- <https://giaic-hackathon-template-08.vercel.app/api/categories>
- Understand the endpoints.

Data Migration:

First of all, setup your nextjs project by running the command
`npx create-next-app@latest`

If you already have a project then skip the first of creating project, then install sanity into your project. Here's the setup guide:

[learn-nextjs/step09_headless_cms/sanity/step00_sanity_setup/README.md](https://github.com/panaverse/learn-nextjs/tree/main/step09_headless_cms/sanity/step00_sanity_setup/README.md)
at main · panaverse/learn-nextjs

After Setup the sanity, go to src/sanity/schemaTypes

create a file product.ts here and add the following code or schema

[hackathone_Day_3_Api_integration_and_migration/src/sanity/schemaTypes/products/products.ts](https://github.com/DaniyalAneeq/hackathone_Day_3_Api_integration_and_migration/blob/main/src/sanity/schemaTypes/products/products.ts) at main ·

[DaniyalAneeq/hackathone_Day_3_Api_integration_and_migration](https://github.com/DaniyalAneeq/hackathone_Day_3_Api_integration_and_migration)

Then create another file named categories.ts and add the following code into your file

[hackathone_Day_3_Api_integration_and_migration/src/sanity/schemaTypes/categories.ts](https://github.com/DaniyalAneeq/hackathone_Day_3_Api_integration_and_migration/blob/main/src/sanity/schemaTypes/categories.ts) at main ·

[DaniyalAneeq/hackathone_Day_3_Api_integration_and_migration](https://github.com/DaniyalAneeq/hackathone_Day_3_Api_integration_and_migration)

Import both the schemas into index.ts

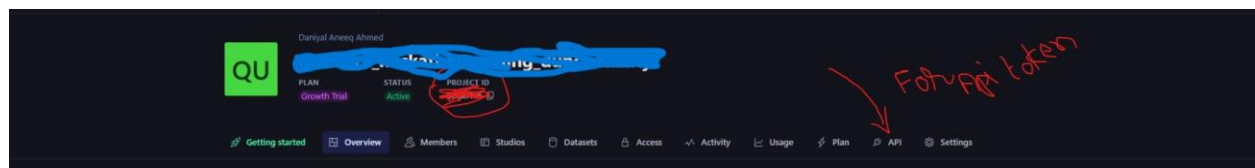
/src/sanity/schemaTypes/index.ts

Then setup your environment variables, create a file named .env at the root directory and add your sanity project id, dataset and api token

```
NEXT_PUBLIC_SANITY_PROJECT_ID="add your project id"
```

```
NEXT_PUBLIC_SANITY_DATASET="production"
```

```
NEXT_PUBLIC_SANITY_AUTH_TOKEN="Add your api token here"
```



Data Migration Script

Now create a folder named scripts and create a file migrate.mjs and add the following code to the file

[hackathone_Day_3_Api_integration_and_migration/scripts/migrate.mjs](#)
at main.

[DaniyalAneeq/hackathone_Day_3_Api_integration_and_migration](#)

Then add the following script into your package.json

```
"migrate": "node scripts/migrate.mjs"
```

Now run this command in your terminal `npm install dotenv`

finally, by running this command `npm run migrate` the data will successfully migrate into your sanity project. Now fetch the data and display accordingly.