

# Hackathon Day 3: API INTEGRATION AND DATA MIGRATION:

## Template 8:

Provided by Sir Hamza Syed

## 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](#)  
[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 and migration/src/sanity/schemaTypes/products.ts](#) at main ·

[hackathone Day 3 Api integration and and migration](#)

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

[hackathone Day 3 Api integration and and migration/src/sanity/schemaTypes/categories.ts](#) at main ·

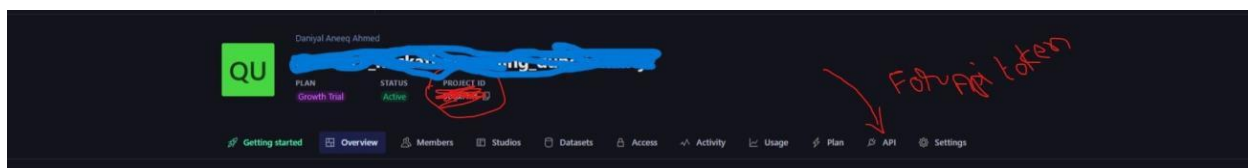
[/hackathone Day 3 Api integration and and migration](#)

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 ·](#)

[hackathone Day 3 Api integration and migration](#)

**Then add the follwoing 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.