

# Day\_3\_API\_Integration\_and\_Data\_Migration

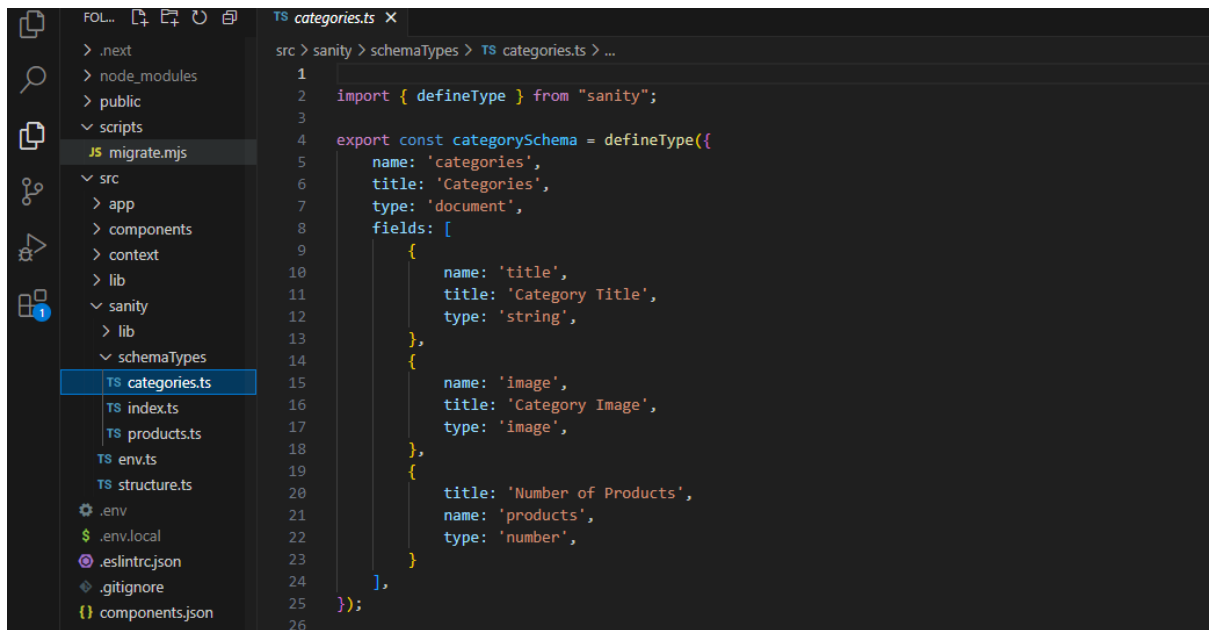
## Scripts/migrate.mjs

```
scripts > JS migrate.mjs > ...
1
2 // Import environment variables from .env.local
3 import "dotenv/config";
4
5 // Import the Sanity client to interact with the Sanity backend
6 import { createClient } from "@sanity/client";
7
8 // Load required environment variables
9 const {
10   NEXT_PUBLIC_SANITY_PROJECT_ID, // Sanity project ID
11   NEXT_PUBLIC_SANITY_DATASET, // Sanity dataset (e.g., "production")
12   NEXT_PUBLIC_SANITY_AUTH_TOKEN, // Sanity API token
13   BASE_URL = "https://giaic-hackathon-template-08.vercel.app", // API base URL for products and categories
14 } = process.env;
15
16 // Check if the required environment variables are provided
17 if (!NEXT_PUBLIC_SANITY_PROJECT_ID || !NEXT_PUBLIC_SANITY_AUTH_TOKEN) {
18   console.error("Missing required environment variables. Please check your .env.local file.");
19   process.exit(1); // Stop execution if variables are missing
20 }
21
22 // Create a Sanity client instance to interact with the target Sanity dataset
23 const targetClient = createClient({
24   projectId: NEXT_PUBLIC_SANITY_PROJECT_ID, // Your Sanity project ID
25   dataset: NEXT_PUBLIC_SANITY_DATASET || "production", // Default to "production" if not set
26   useCdn: false, // Disable CDN for real-time updates
27   apiVersion: "2023-01-01", // Sanity API version
28   token: NEXT_PUBLIC_SANITY_AUTH_TOKEN, // API token for authentication
29 });
```

## schemaTypes/productst.ts

```
src > sanity > schemaTypes > TS products.ts > m
1
2 import { defineType } from "sanity";
3
4 export const productSchema = defineType({
5   name: "products",
6   title: "Products",
7   type: "document",
8   fields: [
9     {
10       name: "title",
11       title: "Product Title",
12       type: "string",
13     },
14     {
15       name: "price",
16       title: "Price",
17       type: "number",
18     },
19     {
20       title: "Price without Discount",
21       name: "priceWithoutDiscount",
22       type: "number",
23     },
24     {
25       name: "badge",
26       title: "Badge",
27       type: "string",
28     },
29     {
30       name: "image",
31       title: "Product Image",
32       type: "image",
33     },
34   ],
35 });
```

## schemaTypes/categories.ts



```
src > sanity > schemaTypes > TS categories.ts > ...
1
2 import { defineType } from "sanity";
3
4 export const categorySchema = defineType({
5   name: 'categories',
6   title: 'Categories',
7   type: 'document',
8   fields: [
9     {
10      name: 'title',
11      title: 'Category Title',
12      type: 'string',
13    },
14    {
15      name: 'image',
16      title: 'Category Image',
17      type: 'image',
18    },
19    {
20      title: 'Number of Products',
21      name: 'products',
22      type: 'number',
23    }
24  ],
25 });
26
```

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