

## **Day-03 (API Integration Report - Bandage)**

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**Class Timing: Saturday Morning (9am – 12pm)**

# API Integration Process

## Migration:

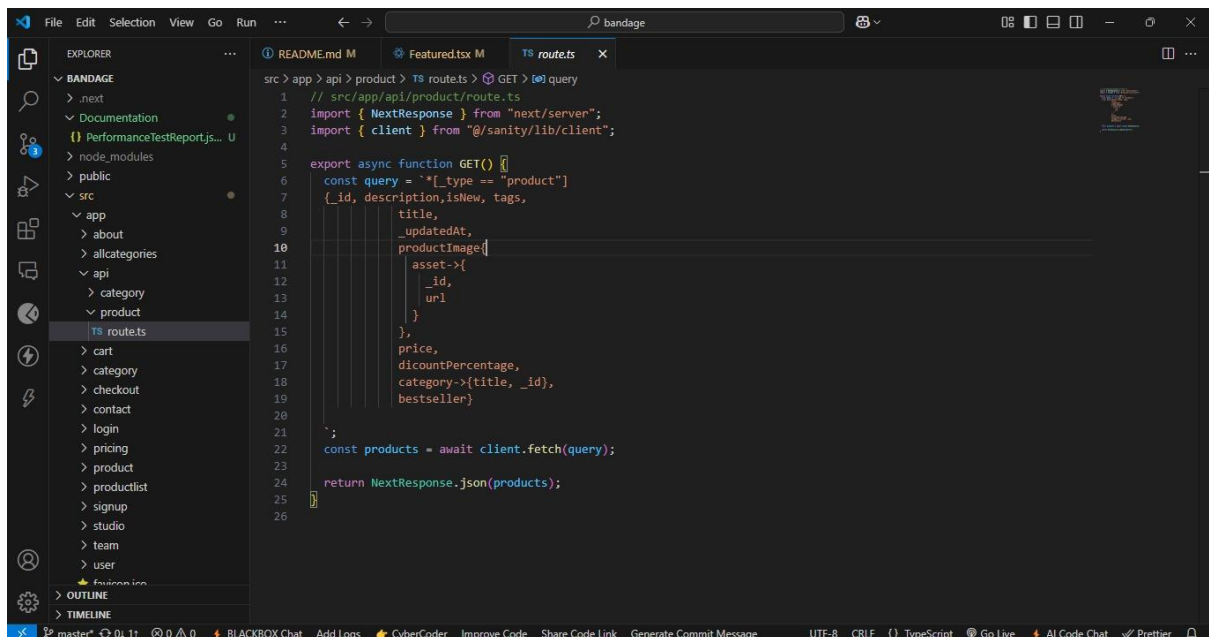
Migrated the given API into sanity by using the given code snippet

## Steps:

- Made folder named “scripts” in root dir.
- Made file in scripts folder named “importdata.js”
- Run script file

## API Integration:

Made api folder in /app to fetch all api data from sanity at once ( for optimising the performance). Then wrote the following code snippet into /src/app/product/route.ts.



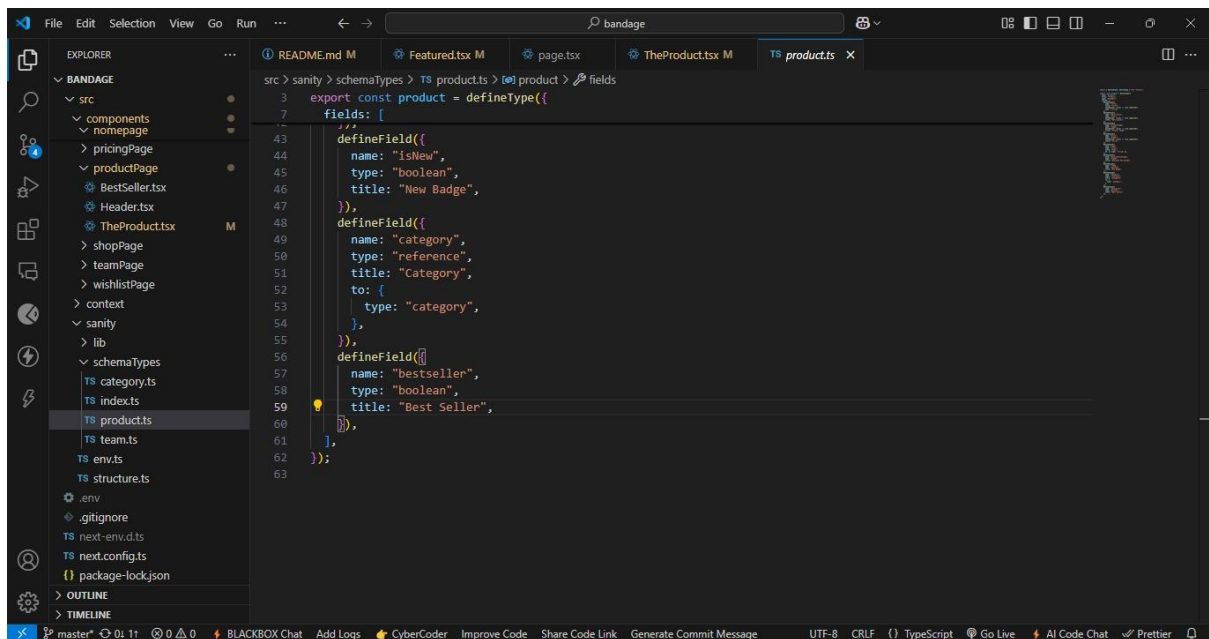
```
src > app > api > product > TS routes > GET > query
1 // src/app/api/product/route.ts
2 import { NextResponse } from "next/server";
3 import { client } from "@sanity/lib/client";
4
5 export async function GET() {
6   const query = `*[ _type == "product" ]
7   {
8     _id, description, isNew, tags,
9     title,
10    _updatedAt,
11    productImage {
12      asset -> {
13        _id,
14        url
15      }
16    },
17    price,
18    discountPercentage,
19    category -> { title, _id },
20    bestseller
21  }`;
22   const products = await client.fetch(query);
23
24   return NextResponse.json(products);
25 }
26
```

Similar process applied to fetched the category data “/src/app/category/route.ts”

## Adjustments made to schemas:

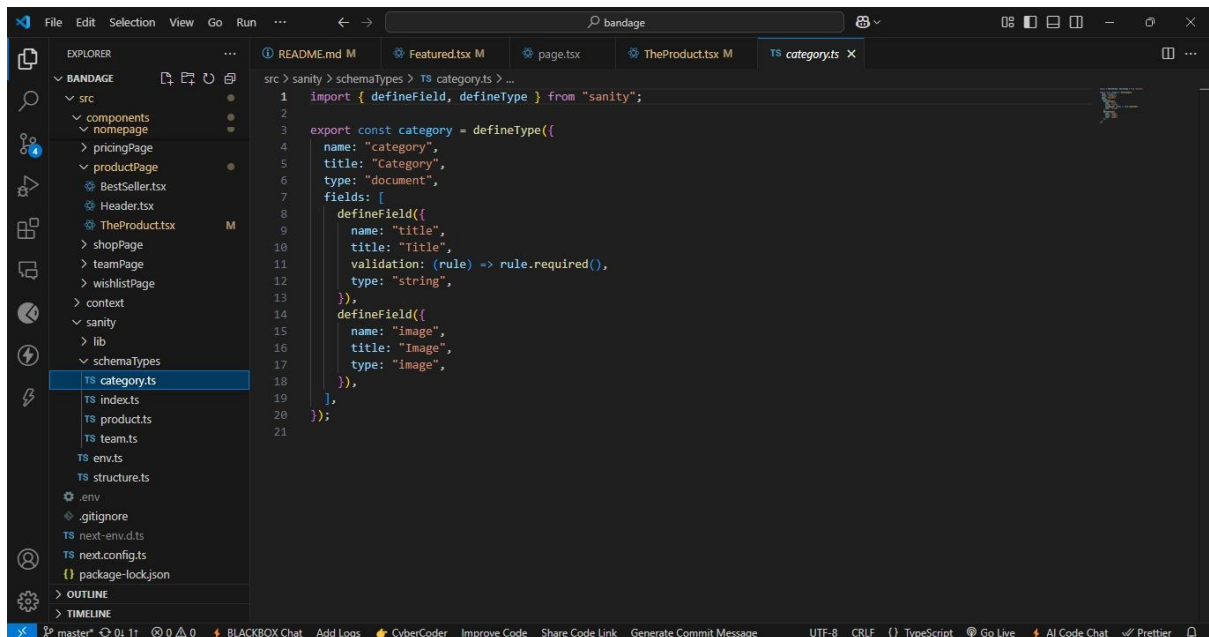
The given api did not have field defined of the category so I decided to write schema for category and made an adjustment in product schema so each product can relate to a category. Also I added a “Best Seller” value with Boolean data type into the product Schema.

## Changes made in Product Schema:



```
src > sanity > schemaTypes > TS product.ts > product > fields
3 export const product = defineType({
7   fields: [
43     defineField({
44       name: "isNew",
45       type: "boolean",
46       title: "New Badge",
47     }),
48     defineField({
49       name: "category",
50       type: "reference",
51       title: "Category",
52       to: {
53         type: "category",
54       },
55     }),
56     defineField({
57       name: "bestseller",
58       type: "boolean",
59       title: "Best Seller",
60     }),
61   ],
62 });
63
```

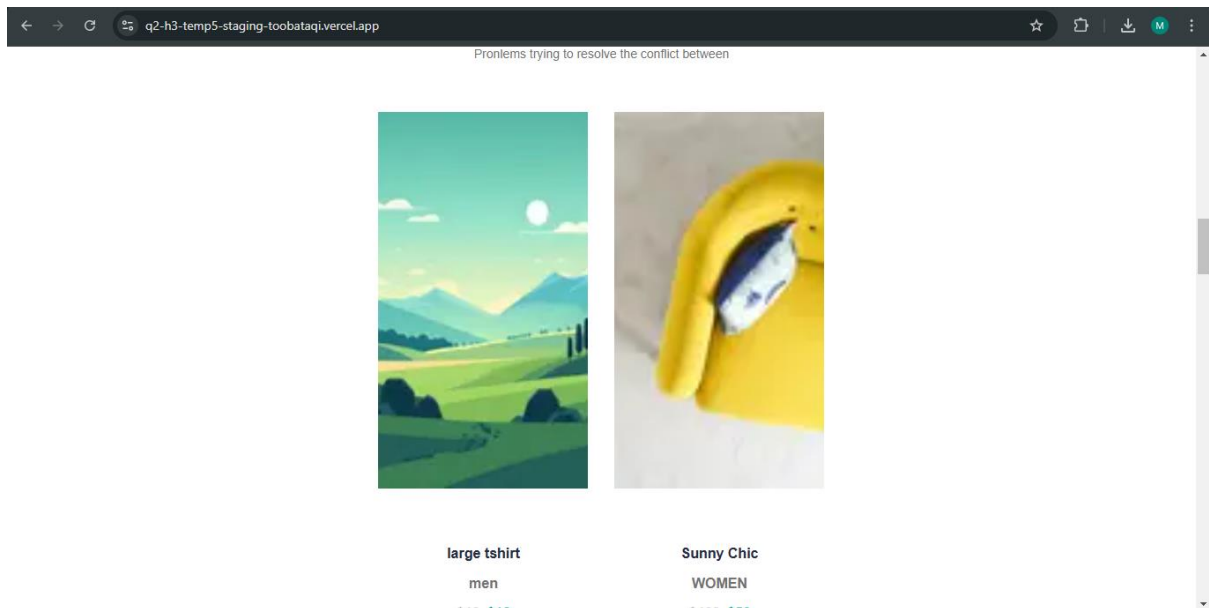
## Category Schema:



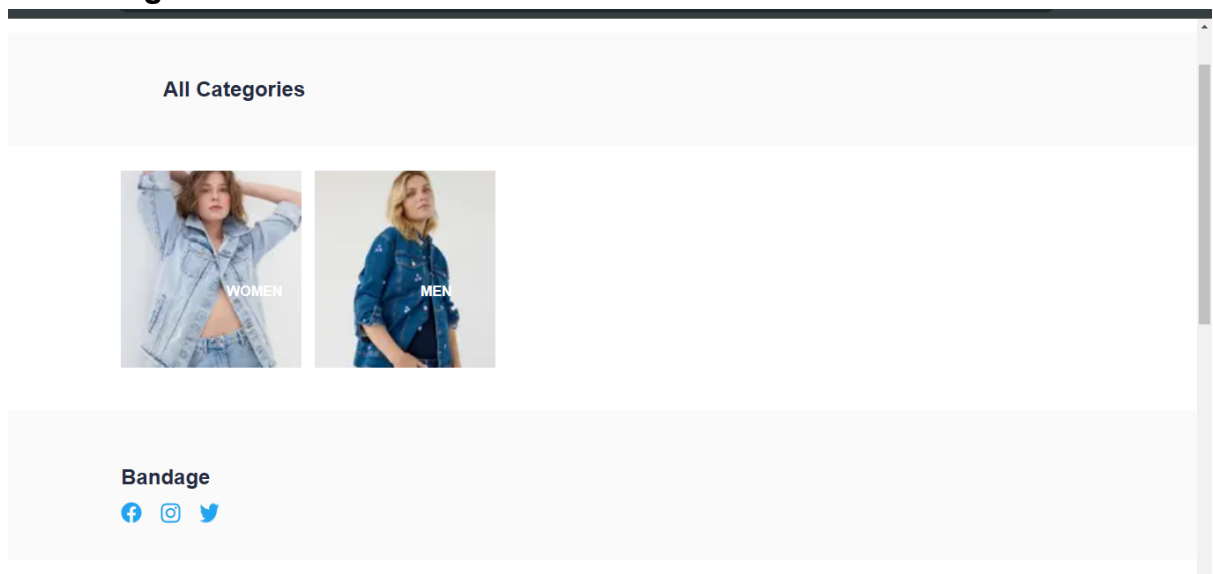
```
src > sanity > schemaTypes > TS category.ts > ...
1 import { defineField, defineType } from "sanity";
2
3 export const category = defineType({
4   name: "category",
5   title: "Category",
6   type: "document",
7   fields: [
8     defineField({
9       name: "title",
10      title: "Title",
11      validation: (rule) => rule.required(),
12      type: "string",
13    }),
14    defineField({
15      name: "image",
16      title: "Image",
17      type: "image",
18    }),
19  ],
20 });
21
```

## Data Displayed Successfully:

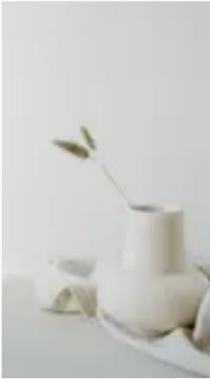
- Best Seller Products with Boolean value “true”:




- The Categories and their related Products:



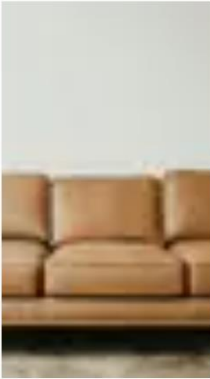
Product bwlonged to the current category




**Rustic Vase Set**  
WOMEN  
\$210 **\$10**



**Timber Craft**  
WOMEN  
\$320 **\$30**



**Amber Haven**  
WOMEN  
\$150 **\$0**



**Bold Nest**  
WOMEN  
\$260 **\$30**

## Conclusion

API migration and integration implemented successfully.