

# DAY\_03

## API Integration Process

Name :Anousha Baig

Rollno : 00296842

### API SETUP :

- API was provide to import Product and Category DATA for the project.
- Understand the structure of the returned data, including the fields for product IDs, names, descriptions, prices, categories, images, etc.

- Example API :

```
async function importData() {
  try {
    console.log('Fetching products from API...');
    const response = await axios.get('https://hackathon-apis.vercel.app/api/products');
    const products = response.data;
    let counter = 1;

    for (const product of products) {
      console.log(`Processing product: ${product.name}`);
      let imageRef = null;
      let catRef = null;

      if (product.image) {
        imageRef = await uploadImageToSanity(product.image);
      }
      if (product.category?.name) {
        catRef = await createCategory(product.category, counter);
      }
    }
  }
}
```

## For FRONTEND:

- Using USEEFFECT Hooks to render data.

```
import { defineType, defineField } from "sanity"

export const product = defineType({
  name: "product",
  title: "Product",
  type: "document",
  fields: [
    defineField({
      name: "category",
      title: "Category",
      type: "reference",
      to: [{
        type: "category"
      }]
    }),
    defineField({
      name: "name",
      title: "Title",
      validation: (rule) => rule.required(),
      type: "string"
    }),
    defineField({
      name: "slug",
      title: "Slug",
      type: "string"
    })
  ]
})
```

- Category.ts

```
import { defineType, defineField } from "sanity";

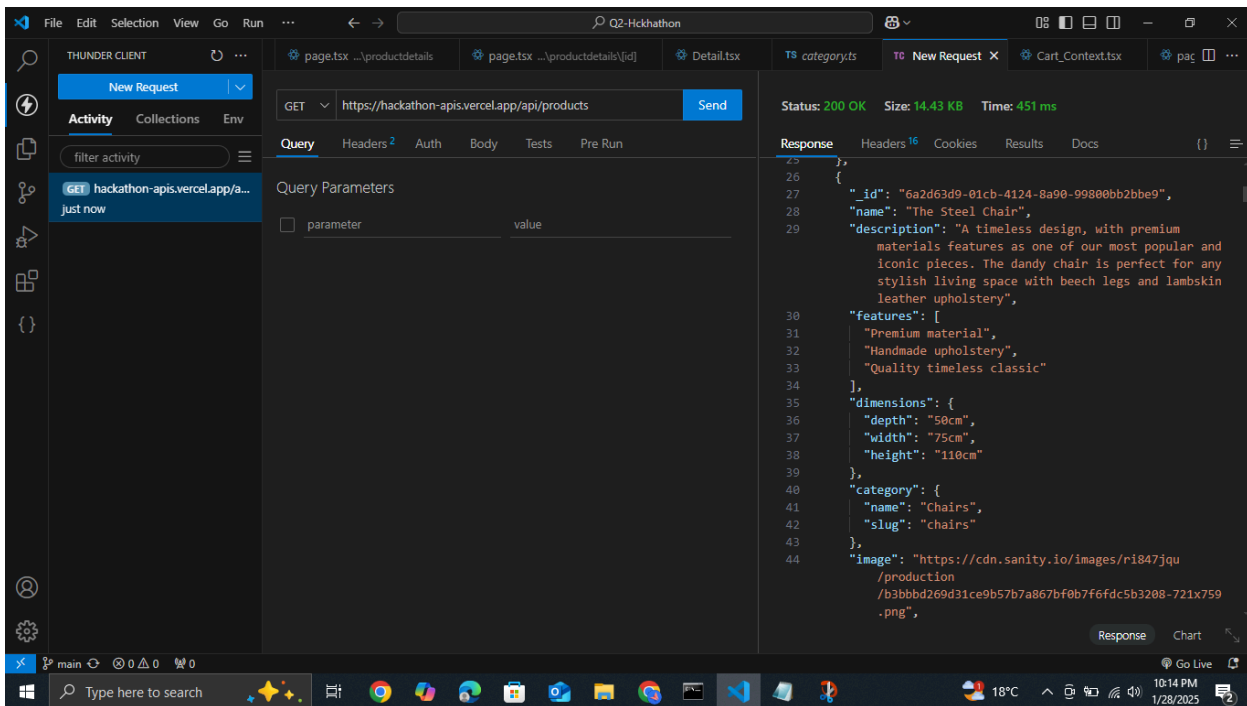
export const Category = defineType({
  name: "category",
  title: "Category",
  type: "document",
  fields: [
    defineField({
      name: "name",
      title: "Name",
      type: "string",
      validation: (rule) => rule.required(),
    }),
    defineField({
      name: "slug",
      title: "Slug",
      type: "slug",
      validation: (rule) => rule.required(),
      options: {
        source: "name",
      }
    })
  ]
});
```

---

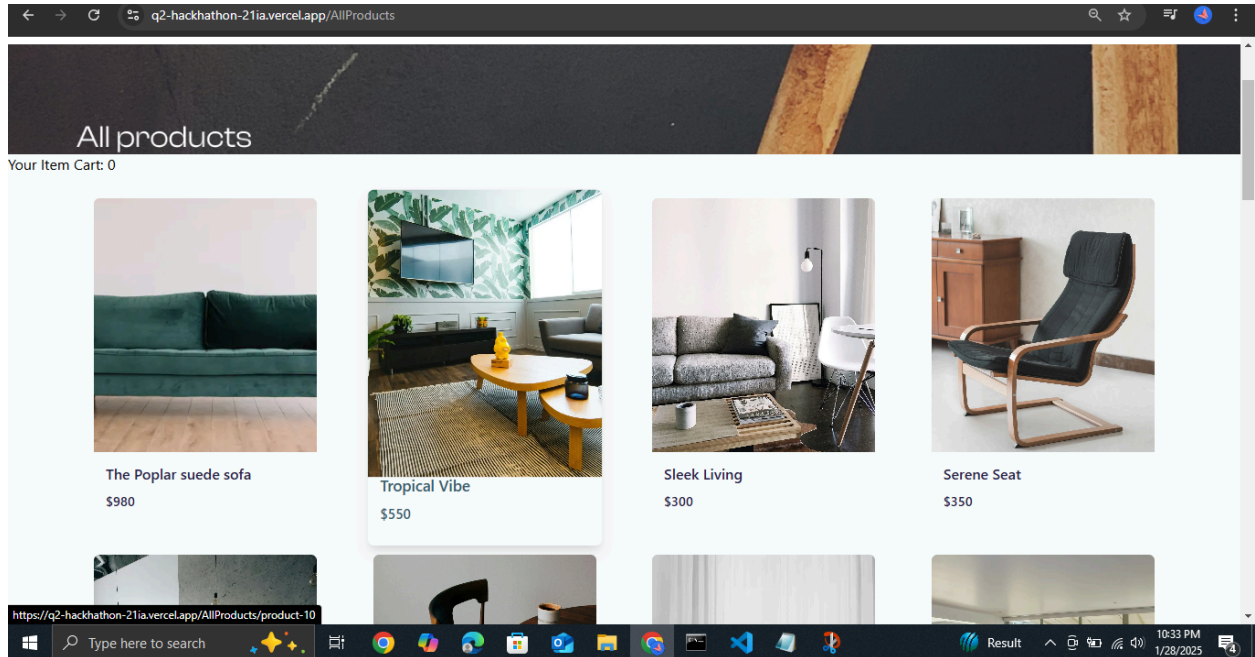
## ● Migration Steps

- Retrieved data from an external API endpoint.
- Received data in a suitable format (likely JSON).

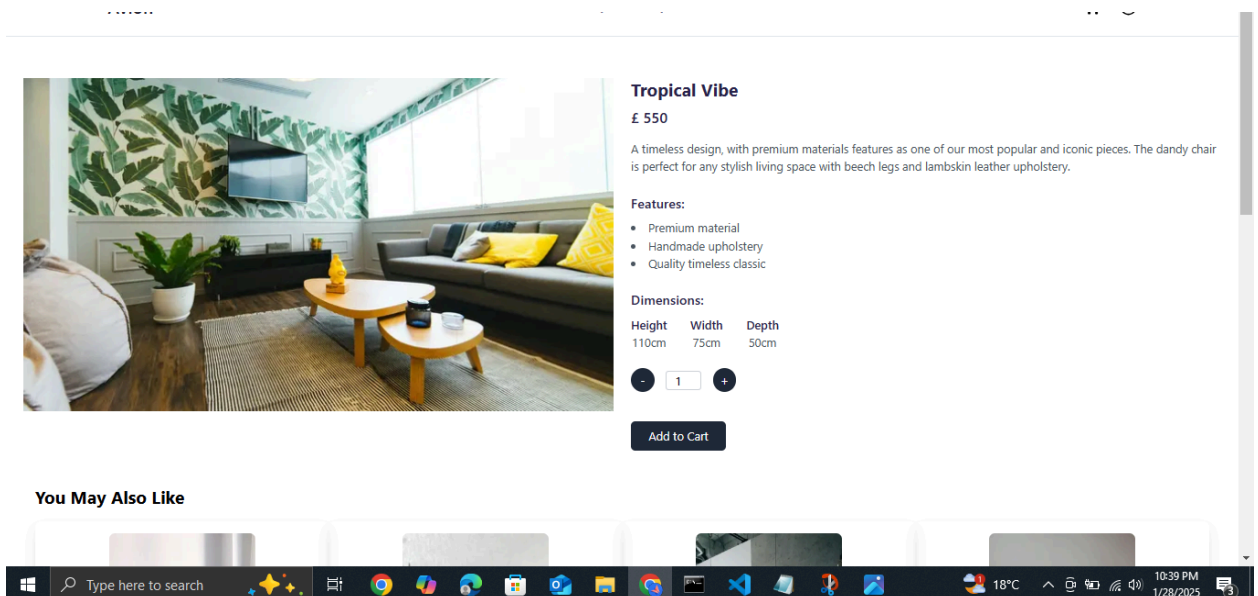
- API CALL
- Using Extention
- ThunderClient



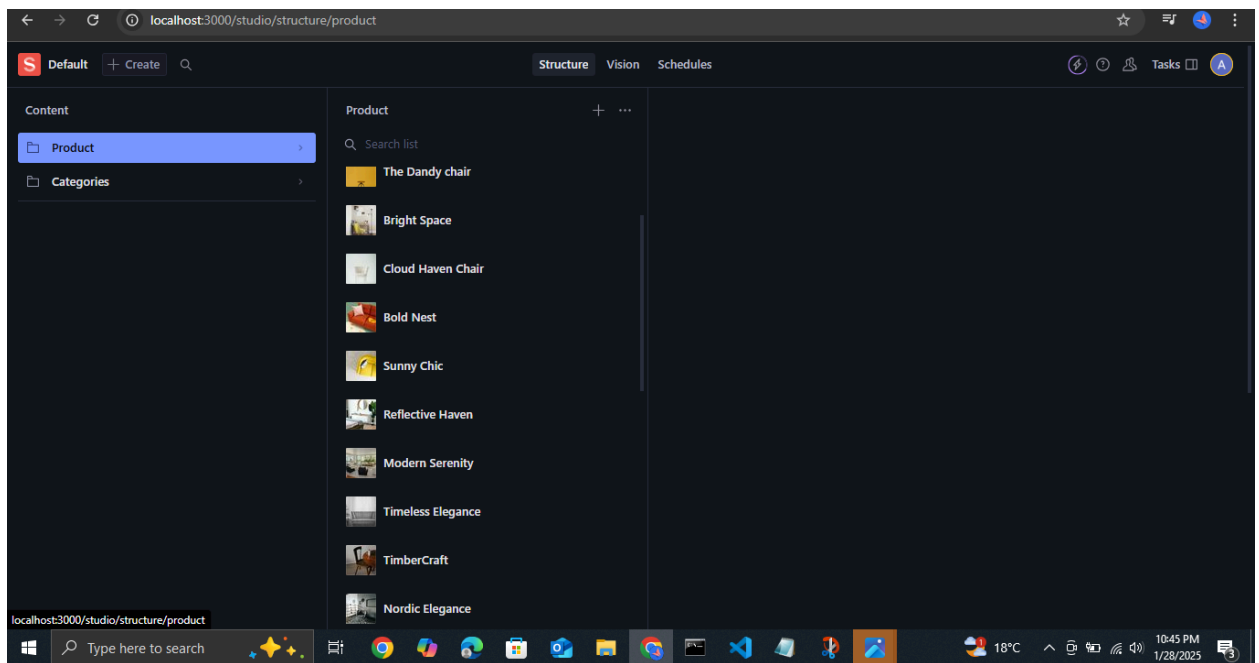
- DATA Displayed



## ● PRODUCT DISPLAYED



- DATA IN SANITY



## Checklist

Task	Status
API Understanding	<input checked="" type="checkbox"/>
Schema Validation	<input checked="" type="checkbox"/>

Data Migeration	<input checked="" type="checkbox"/>
Api integration in nextjs	<input checked="" type="checkbox"/>
Submission Preparation	<input checked="" type="checkbox"/>