

DAY 3 - API INTEGRATION AND DATA MIGRATION General E Commerce

- clone repository using this command

```
git clone https://github.com/anasseth/next-ecommerce-template-4.git
```

this repository I clone out of my hackathon I clone this repo for send data in my sanity project

Install all Dependencies

`npm install`

- Add Configure Environment Variables in .env file

I had already implemented Sanity in my project, so I used the same environment variables to ensure that the data migrates to the same Sanity project.

- Import Data in sanity

Run the following command for migrate data in sanity :

`npm run import-data`

After running this command, my API data successfully migrated to my Sanity project. One more thing, I created the schema that the instructor provided on GitHub. I copied that schema and pasted it into my hackathon project, where I had previously created some schemas. For the product schema, I created a separate file in Sanity.

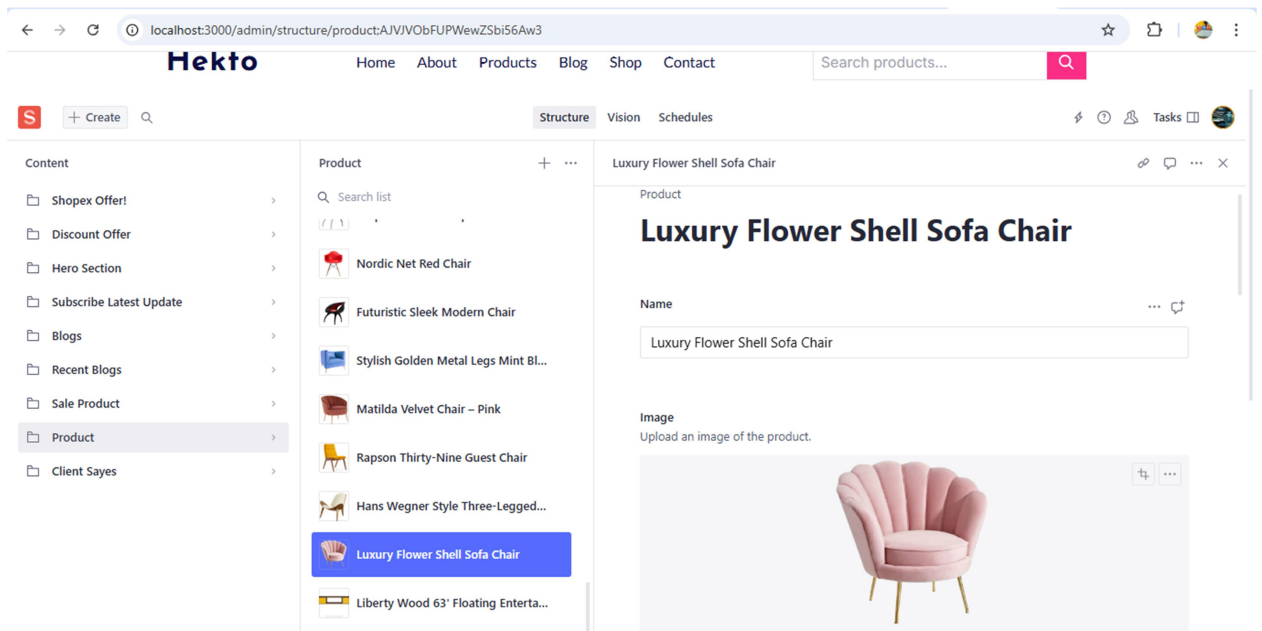
- sanity/schemaTypes/product.ts

```

1 import { defineType, defineField } from "sanity";
2
3
4 const trendingProducts = defineType({
5   name: "trendingProducts",
6   type: "document",
7   title: "Trending Products",
8   fields: [
9     defineField({
10      name: "title",
11      type: "string",
12      title: "Title",
13      validation: (Rule) => Rule.required(),
14    }),
15     defineField({
16      name: "description",
17      type: "string",
18      title: "Description",
19      validation: (Rule) => Rule.required(),
20    }),
21     defineField({
22      name: "newPrice",
23      type: "number",
24      title: "New Price",
25      validation: (Rule) => Rule.required(),
26    }),
27     defineField({
28      name: "oldPrice",
29      type: "number",
30      title: "Old Price",
31      validation: (Rule) => Rule.required(),
32    }),
33     defineField({
34      name: "image",
35      type: "image",
36      title: "Image",
37      validation: (Rule) => Rule.required(),
38    })
39   ],
40 });

```

- Look here my data successfully migrate

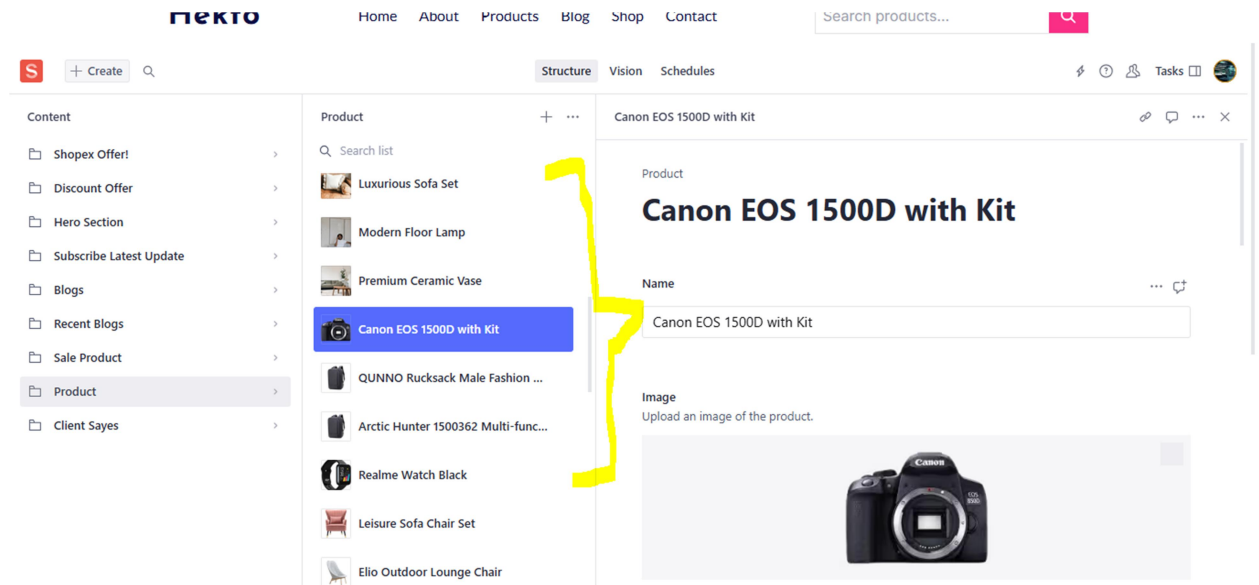


- After migration I add some products manually and also add some category and tags in schema

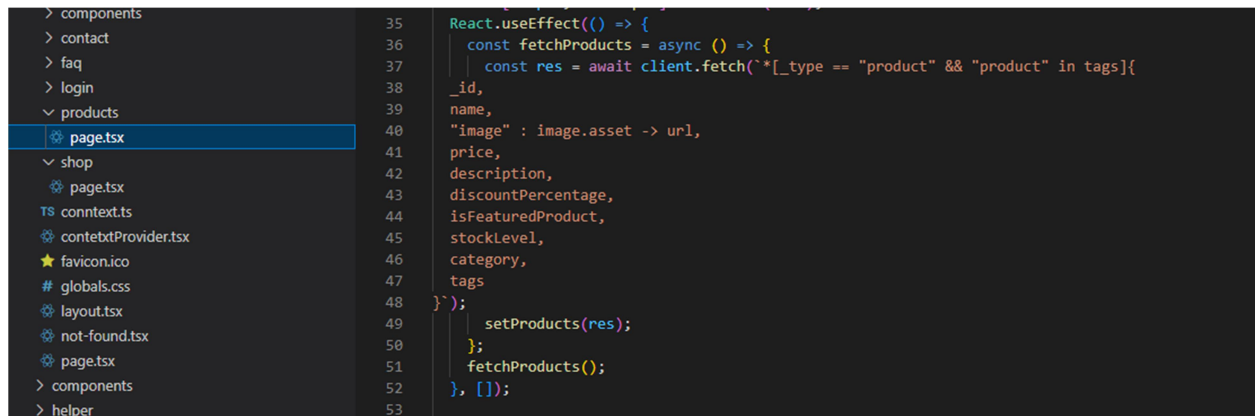
These are the tags and categories that I added myself, which were missing in the API. Based on these, I fetched and displayed the data on the frontend.

```
src > sanity > schemaTypes > TS productts > [x] default
1  export default {
5  fields: [
46  {
47    name: 'stockLevel',
48    type: 'number',
49    title: 'Stock Level',
50    validation: (Rule: any) => Rule.min(0).error('Stock level must be a positive number.'),
51  },
52  {
53    name: 'category',
54    type: 'string',
55    title: 'Category',
56    options: {
57      list: [
58        { title: 'Chair', value: 'Chair' },
59        { title: 'Sofa', value: 'Sofa' },
60        { title: 'Electronic', value: 'electronic' },
61        { title: 'Other', value: 'other' },
62      ],
63    },
64  },
65  },
66  validation: (Rule: any) => Rule.required().error('Category is required'),
67 },
68 {
69   name: "tags",
70   title: "Tags",
71   type: "array",
72   of: [{ type: "string" }],
73   options: {
74     list: [
75       { title: "Featured", value: "featured" },
76       {
77         title: "Latest",
78         value: "latest",
79       },
80       { title: "Trending", value: "trending" },
81       { title: "Top category", value: "topCategory" },
82       { title: "Product", value: "product" },
83       { title: "trending section discount pro", value: "discountTreProduct" },
84       { title: "Shops", value: "shops" },
85       { title: "Offer Product", value: "offerProduct" },
86       { title: "Unique Features ", value: "uniqueFeatures" },
87     ],
88   },
89 },
90 ],
91 };
```

- See here I add products from myself



See here I fetch data from sanity using groq query for display frontend



```

<div className="my-5 w-full">
  {isOpen ? (
    <>
      <div className="w-full grid sm:grid-cols-3 md:grid-cols-4 gap-3 items-center">
        {filteredProducts.length !== 0 ? (
          <>
            {filteredProducts.map((product: Product) => (
              <div
                key={product._id}
                className="w-full h-auto group grid my-2"
              >
                <div className="h-[250px] w-full relative bg-[#EBF4F3] flex justify-center items-center">
                  <Image
                    src={product.image}
                    height={280}
                    width={270}
                    className="h-[169px] w-[169px]"
                    alt={product.name}
                  />
                <div className="group-hover:grid gap-2 hidden text-[#151875] absolute bottom-4 left-2">
                  <div className="h-[25px] w-[25px] bg-white flex justify-center items-center rounded-full">
                    {""}
                    <Link href={`/${product._id}`}>
                      <CiShoppingCart />
                    </Link> {""}
                  </div>
                  <div className="h-[25px] w-[25px] bg-white flex justify-center items-center rounded-full">
                    {""}
                    <FaSearchPlus />
                  </div>
                  <div className="h-[25px] w-[25px] bg-white flex justify-center items-center rounded-full">
                    <CiHeart /> {""}
                  </div>
                </div>
              </div>
            )}
          </>
        ) : (
          <div className="pt-3 h-auto">
            <Link href={`/${product._id}`}>
              <h1 className="text-[#151875] line-clamp-1 font-bold text-[16px] text-center">
                {product.name}
              </h1>
            </Link>
            <div className="flex gap-2 justify-center items-center mt-1">
              <div className="h-[10px] w-[10px] rounded-full bg-[#DE9034]" />
              <div className="h-[10px] w-[10px] rounded-full bg-[#EC42A2]" />
              <div className="h-[10px] w-[10px] rounded-full bg-[#8568FF]" />
            </div>
            <div className="flex gap-2 justify-center items-center mt-1">
              <p className="text-[#151875]">
                Rs- {product.price}
              </p> {""}
              <p className="text-[#F82E86]">
                {product.discountPercentage}%
              </p> {""}
            </div>
          </div>
        )}
      </div>
    </>
  ) : (
    <div className="h-[250px] w-full flex justify-center items-center">
      <h1>No products found</h1>
    </div>
  )}

```

Ecommerce Acceries & Fashion item

About 9,620 results (0.62 seconds)

Per Page: Sort By: Best match View: ☐ ☐



Canon EOS 1500D with Kit
● ● ● ●
Rs- 2500 %



Arctic Hunter 1500362 Multi-function...
● ● ● ●
Rs- 1600 17%



Realme Watch Black
● ● ● ●
Rs- 1200 15%



Smartwatch Seri 2
● ● ● ●
Rs- 1600 13%



QUNNO Rucksack Male Fashion Men Backpack
● ● ● ●
Rs- 2000 15%



Headphone
● ● ● ●
Rs- 30000 25%



RF wireless stereo headphone
● ● ● ●
Rs- 8000 20%



Elio Outdoor Lounge Chair
● ● ● ●
Rs- 2500 18%



Movado Connect 3660016 Smart Watch
● ● ● ●
Rs- 13000 25%



Uchiwa Quilted Lounge Chair
● ● ● ●
Rs- 1600 20%



Leisure Sofa Chair Set
● ● ● ●
Rs- 1800 18%



Diondre Chair - Tuft Button - Acrylic Legs
● ● ● ●
Rs- 720 7%