

Hackthon Day-3 Report



Prepared By: Jawaid Ali

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API Integration process

I add the given API to the script that works to import or fetch api data and also migrating the the products data to sanity.

I have already installed sanity in project, you can install according to your need then i just created a folder called script and the in folder created a file called import-data.mjs so in this file i added the logic to perform action.

After just run the command in terminal npm run import-data. As soon as command will run the all the provided data send to sanity one by one.

Note: Also add the import-data in your package.json file to configure the and perform well in terminal.

Cod snippet

Fetch data

```
const response = await axios.get("https://next-ecommerce-template-4.vercel.app/api/product")

const products = response.data.products;
```

Images process

```
const response = await axios.get(imageUrl, { responseType: 'arraybuffer' });

const buffer = Buffer.from(response.data);

const asset = await client.assets.upload('image', buffer, {
  filename: imageUrl.split('/').pop(),
});

console.log(`Image Uploaded Successfully : ${asset._id}`);

return asset._id;
}
```

Adjustment made to schema

According to data i made some changes in my schema and added all the required field that are mentioned in data like productName, id, description, image, and more.

Updated Schema according to data and i used definetype to handle types.

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

import { TrolleyIcon } from "@sanity/icons";

export const product = defineType({
  name: "product",
  title: "Product",
  type: "document",
  icon: TrolleyIcon,
  fields: [
    defineField({ name: "name", title: "Name", type: "string", validation: (Rule) =>
      Rule.required().error("Name is required") }),
    defineField({ name: "image", title: "Image", type: "image", options: { hotspot: true }, description:
      "Upload an image of the product." }),
    defineField({ name: "price", title: "Price", type: "string", validation: (Rule) =>
      Rule.required().error("Price is required") }),
    defineField({ name: "description", title: "Description", type: "text", validation: (Rule) =>
      Rule.max(150).warning("Keep the description under 150 characters." )}),
    defineField({ name: "discountPercentage", title: "Discount Percentage", type: "number",
      validation: (Rule) => Rule.min(0).max(100).warning("Discount must be between 0 and 100." )}),
    defineField({ name: "isFeaturedProduct", title: "Is Featured Product", type: "boolean" }),
    defineField({ name: "isLatestProduct", title: "Is Latest Product", type: "boolean" }),
    defineField({ name: "isTrending", title: "Is Trending Product", type: "boolean" }),
    defineField({ name: "stockLevel", title: "Stock Level", type: "number", validation: (Rule) =>
      Rule.min(0).error("Stock level must be a positive number." )}),
    defineField({ name: "category", title: "Category", type: "string",
      options: { list: [{ title: "Chair", value: "Chair" }, { title: "Sofa", value: "Sofa" }, { title: "Table", value:
        "Table" }, { title: "Bed", value: "Bed" }, { title: "Wardrobe", value: "Wardrobe" } ] },
      validation: (Rule) => Rule.required().error("Category is required"), }),
  ],
});
```

Migration Steps & used Tools

Migration Steps:

1. Data Preparation:

Prepared the data according to the schema defined in Sanity.

2. Script Creation:

Created a custom script for transforming and structuring the data to match Sanity's requirements.

3. Command Execution:

Used the sanity dataset import command or ran the custom script to import the data into Sanity.

4. Validation:

Verified the migrated data in Sanity Studio to ensure everything was successfully imported.

Tools Used:

1. Sanity CLI: For running commands and managing the dataset migration.

2 Sanity Studio: To validate and test the migrated data.

This explanation directly addresses the



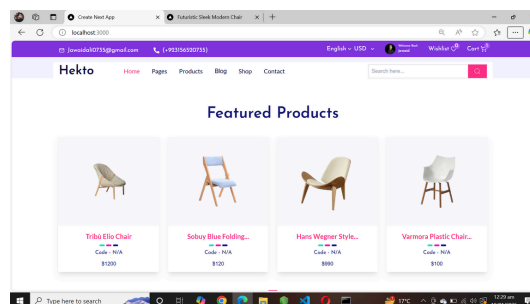
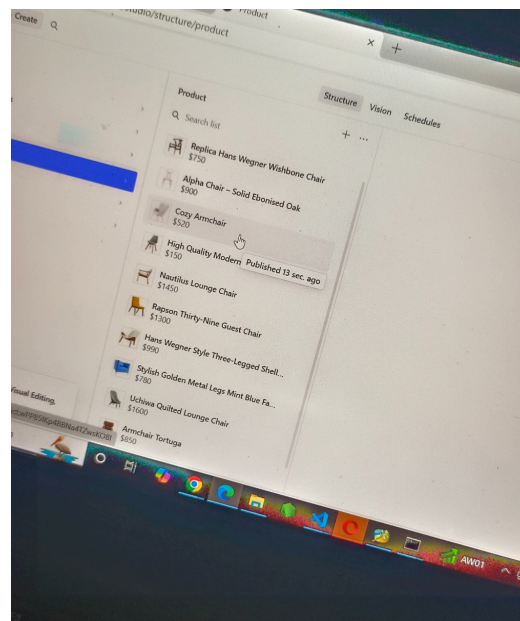
Pictures of completion

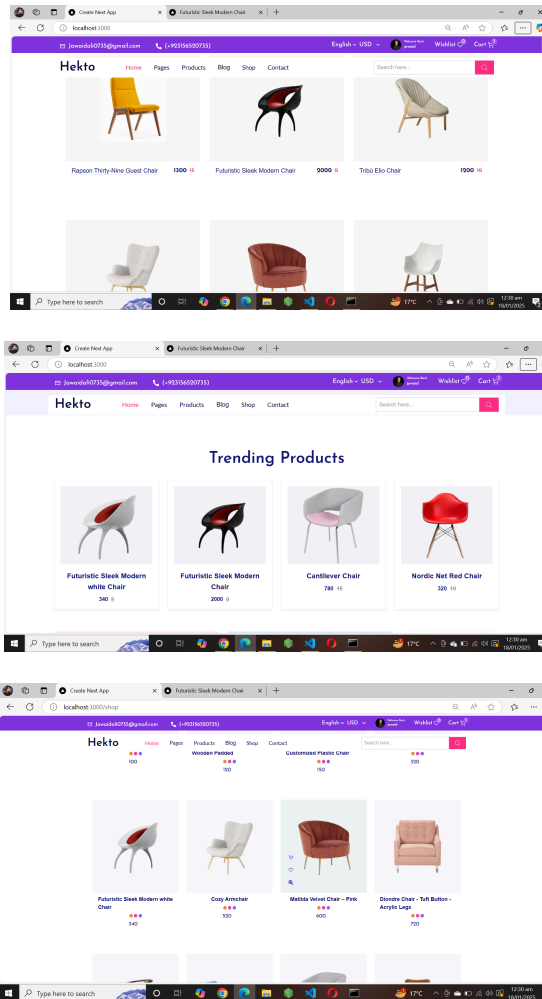
```
5 import { fileURLToPath } from 'url';
6 import path from 'path';
7
8 const __filename = fileURLToPath(import.meta.url);
9 const __dirname = path.dirname(__filename);
10 dotenv.config({ path: path.resolve(__dirname, '../.env.local') });
11 console.log('Sanity Project ID:', process.env.NEXT_PUBLIC_SANITY_PROJECT_ID);
12 const client = createClient({
13   projectId: process.env.NEXT_PUBLIC_SANITY_PROJECT_ID,
14   dataset: process.env.NEXT_PUBLIC_SANITY_DATASET,
15   token: process.env.SANITY_API_TOKEN,
16   apiVersion: '2025-01-17',
17   useCdn: false,
18 });
```

PROBLEMS OUTPUT DEBUG CONSOLE **TERMINAL**

Fetching Product Data From API ...
Processing Item: Tribù Elio Chair
Uploading Image : https://next-e-commerce-template-4.vercel.app/product/Chair (5
Image Uploaded Successfully : image-9967084db2d5e1235db7525ed72aaa32bc4f95a7-72
Uploading Chair - Tribù Elio Chair to Sanity !
Uploaded Successfully: Y1hK9NX1VGHZafm0Lusy7a

Processing Item: Armchair Tortuga
Uploading Image : https://next-e-commerce-template-4.vercel.app/product/Chair (35)-f





Progress Overview

| Understanding | Check | Due Date | Status |
|--------------------|-------|--------------|--------|
| Api Fetch | ✓ | Jan 17, 2025 | Done |
| Migration | ✓ | Jan 17, 2025 | Done |
| Schema adjust | ✓ | Jan 17, 2025 | Done |
| Sanity to frontend | ✓ | Jan 17, 2025 | Done |

Notes

- Data feilds and schema feild are align together
- Add import data in package file to run the command.