

DAY 3 -API INTEGRATION AND DATA MIGRATION

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://template1-neon-nu.vercel.app/api/products")

const products = response.data.products; Images process

const esponse = 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.

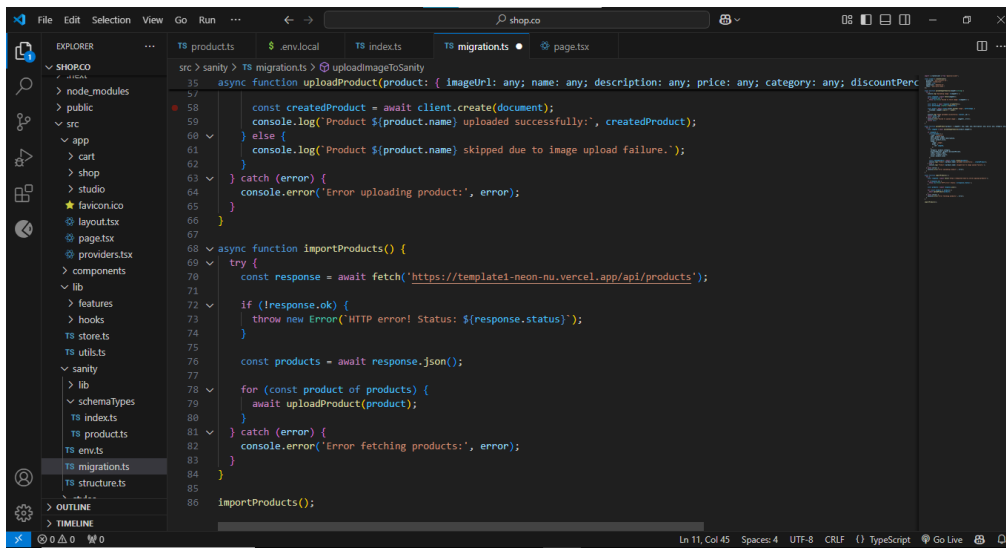
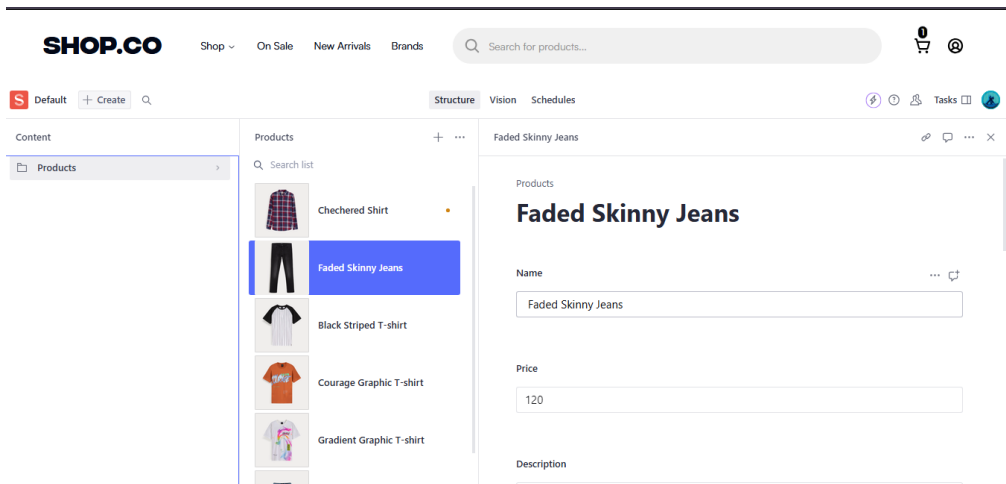
MIGRATION STEPS & USED TOOLS

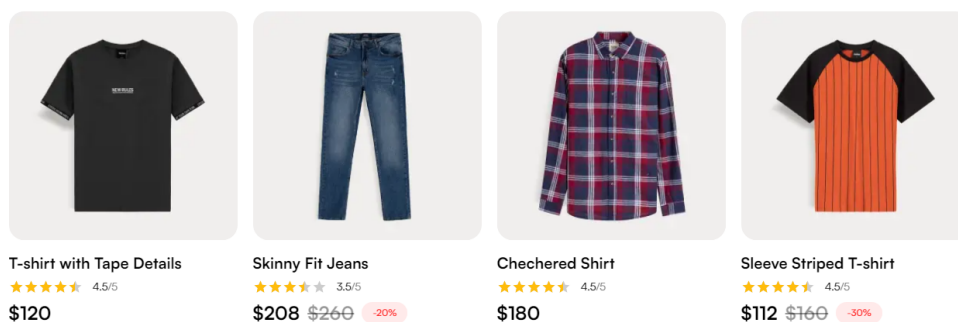
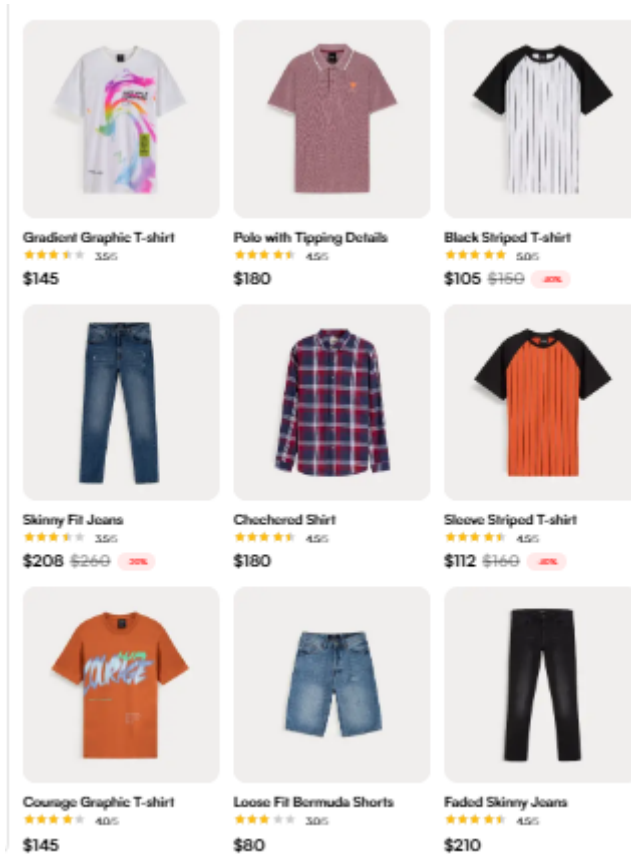
MIGRATION STEPS:

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





SELF-VALIDATION CHECKLIST:

- API Understanding:
- *Chack* ✓
- Schema Validation:
- *Chack* ✓

- **Data Migration:**
- *Chack ✓*
- **API Integration in Next.js:**
- *Chack ✓*
- **Submission Preparation:**
- *Chack ✓*

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