## DAY 3 - API INTEGRATION AND DATA MIGRATION - [General E-commerce]

#### **Report Documentation:**

#### **API Integration Process:**

#### • API Integration:

Data was fetched from Sanity CMS using a fixed (static) ID. The API call was made to https://template1-neon-nu.vercel.app/api/products, which retrieves product data for the specific ID.

#### Authentication:

The API token was passed in the request headers for authentication.

#### • Frontend Display:

The fetched data was displayed on the frontend using React useState and useEffect hooks.

#### **Adjustments Made to Schemas:**

#### • ID Field:

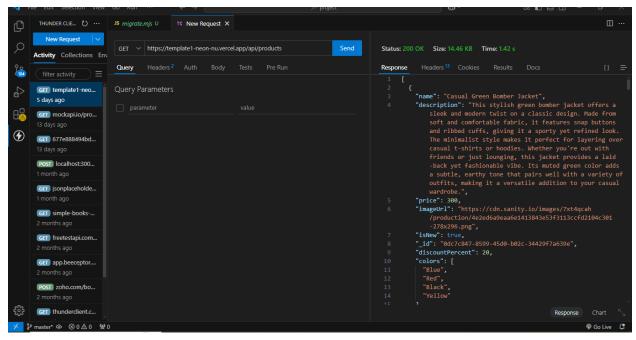
A static id field was added to each product in Sanity CMS, allowing for the specific product data to be fetched.

#### Migration Steps and Tools Used:

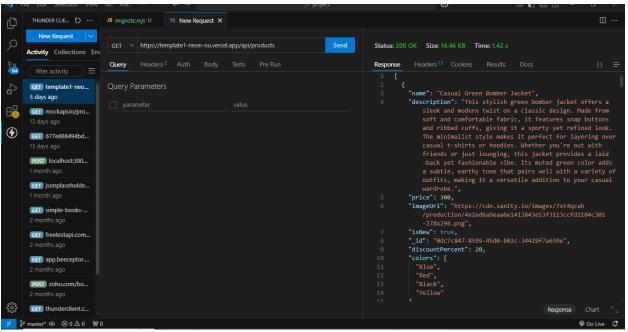
#### Sanity CLI:

Sanity CLI was used to migrate the data. After fetching the data, it was updated according to the new schema, including the static id field.

#### API get

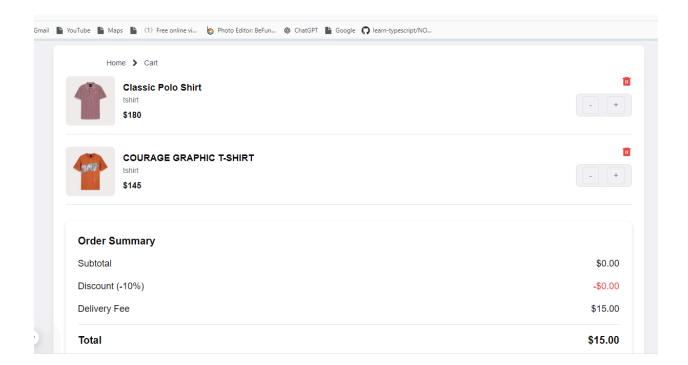


#### API get status

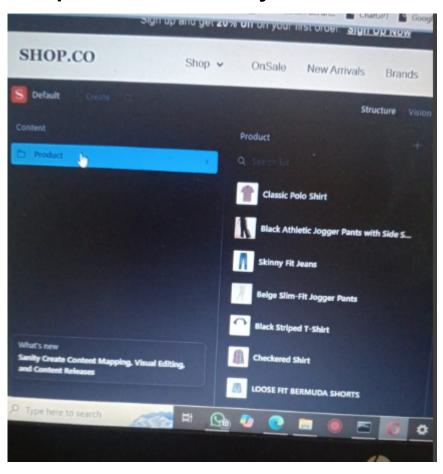


# Data Successfully Displayed in the Frontend:





### Populated Sanity CMS Fields:



#### Code snippets for API integration and migration scripts.

```
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                                                                                                                                                              08 🔲
  EXPLORER
  > public

✓ script

                             4 import dotenv from 'dotenv';
                            6  // Load environment variables from .env.local
7  dotenv.config();

✓ cart

                                 projectId: NEXT_PUBLIC_SANITY_PROJECT_ID,
dataset: NEXT_PUBLIC_SANITY_DATASET,
     page.tsx
                                  useCdn: true,
apiVersion: '2025-01-13',

✓ Component

☆ CategoryNav.tsx

                                  async function uploadImageToSanity(imageUrl) {

♠ Footer.tsx

                                      console.log(`Uploading image: ${imageUrl}`);
      Header.tsx
                                      const response = await fetch(imageUrl);
     Newsletter.tsx
                                      throw new Error(`Failed to fetch image: ${imageUrl}`);
}
     SearchBar.tsx
                                      const buffer = await response.arrayBuffer();
     Testi.tsx
     Topheader.t... M
                                      const asset = await client.assets.upload('image', bufferImage, {
    filename: imageUrl.split('/').pop(),
    > fonts
> OUTLINE
```

#### Day 3 Checklist:

Self-Validation Checklist: API Understanding: ✓

Schema Validation: 🗸

Data Migration: 🗸

**API Integration in Next.js:** ✓

Submission Preparation:  $\checkmark$