

DAY 3

API Integration Report-[[SHOP.CO](#)]

API Integration Process

- Install dependencies such as @sanity/client axios dotenv using [npm](#)
- Use sanity to set up the key variables which are [SANITY_PROJECT_ID](#), [SANITY_API_TOKEN](#), [SANITY_PROJECT_ID](#)
- Used [fetch method](#) to fetch the data from endpoints of API
- The retrieved data was mapped to the modified schema structure.
- Implement try-catch to ensure smooth processing.

Schema of Products

```
import { defineType } from "sanity"

export default defineType({
  name: 'products',
  title: 'Products',
  type: 'document',
  fields: [
    {
      name: 'name',
      title: 'Name',
      type: 'string',
    },
    {
      name: 'price',
      title: 'Price',
      type: 'number',
    },
    {
      name: 'description',
      title: 'Description',
      type: 'text',
    },
    {
      name: 'image',
      title: 'Image',
      type: 'image',
    },
    {
      name: "category",
      title: "Category",
      type: 'string',
      options: {
```

```
list: [
  {title: 'T-Shirt', value: 'tshirt'},
  {title: 'Short', value: 'short'},
  {title: 'Jeans', value: 'jeans'},
  {title: 'Hoddie', value: 'hoodie'},
  {title: 'Shirt', value: 'shirt'},
],
},
{
  name: "discountPercent",
  title: "Discount Percent",
  type: 'number',
},
{
  name: "new",
  type: 'boolean',
  title: "New",
},
{
  name: "colors",
  title: "Colors",
  type: 'array',
  of: [
    {type: 'string'}
  ],
},
{
  name: "sizes",
  title: "Sizes",
  type: 'array',
  of: [
    {type: 'string'}
  ],
},
],
},
options: {
```

Migration Steps and Tools Used

- Developed a strategy to map the API's answer to the sanity schema using API access.
- A script to fetch, process, and import data into Sanity was created.
- Using the Sanity Asset API, uploaded and connected photos to documents.
- Using processed data, the document was iteratively constructed and updated in a logical manner.
- Sanity/client, axios, fetched method, map tools are used

Data Migration Script

```
Codeium: Refactor | Explain | Generate JSDoc | X
async function importProducts() {
  try {
    const response = await fetch('https://template1-neon-nu.vercel.app/api/products');

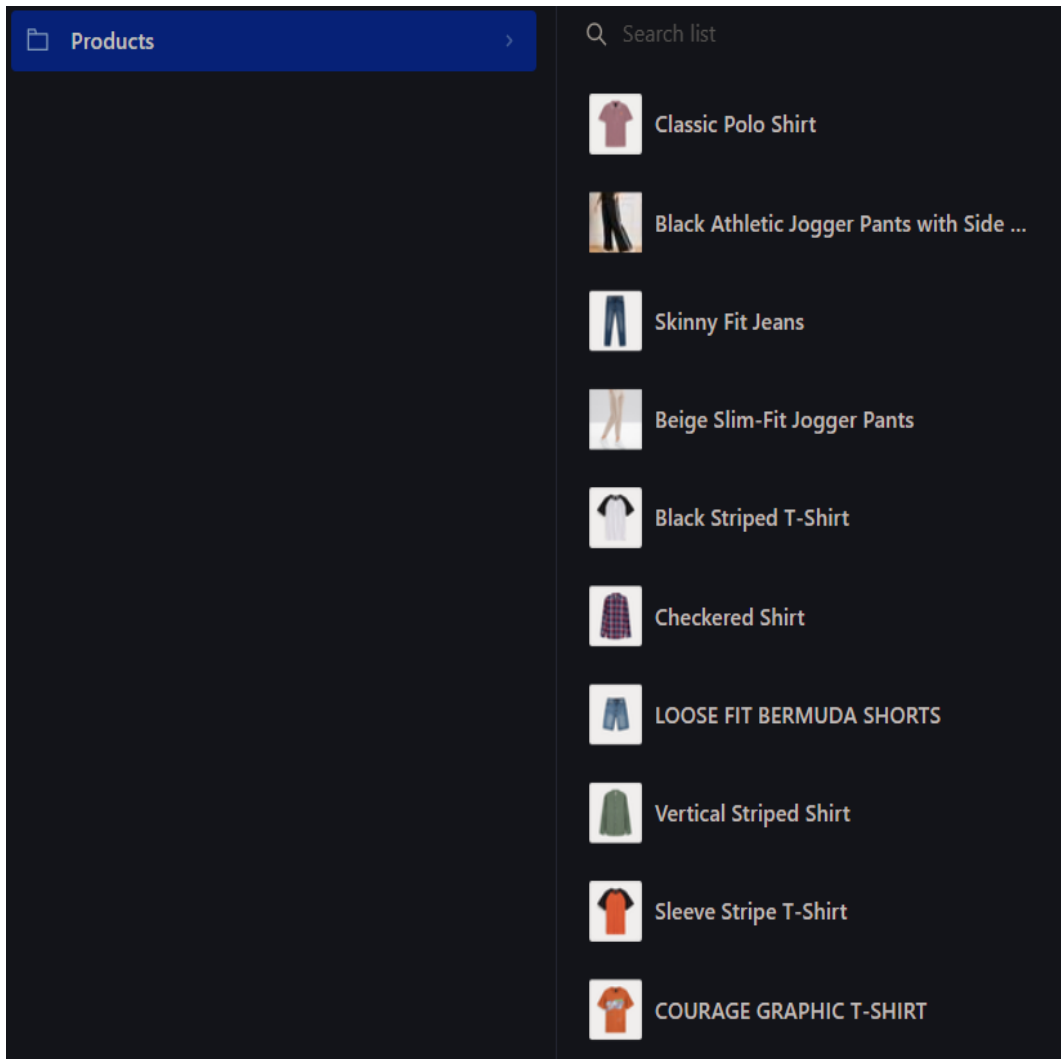
    if (!response.ok) {
      throw new Error(`HTTP error! Status: ${response.status}`);
    }

    const products = await response.json();

    for (const product of products) {
      await uploadProduct(product);
    }
  } catch (error) {
    console.error('Error fetching products:', error);
  }
}

importProducts();
```

Sanity CMS Fields Products



Data Fetch Front-End



Classic White Pullover Hoodie

This white pullover hoodie offers a clean, minimalist look with its soft fabric and timeless design. The hoodie features a cozy, spacious fit, complete with an adjustable drawstring for a personalized fit and a large front pocket for added convenience. The bright white color is perfect for a fresh, casual style and pairs well with various bottoms like jeans, joggers, or shorts. Whether worn for lounging or as part of an everyday outfit, this hoodie provides comfort and versatility with a modern, relaxed flair.

\$150 (10% off)

Category: hoodie



Available Sizes: S, XL, M, L



Classic Black Pullover Hoodie

This versatile and stylish black hoodie is a must-have in any wardrobe. Featuring a comfortable, soft fabric and a relaxed fit, it is perfect for casual outings or layering for colder weather. The hoodie includes an adjustable drawstring and a spacious front pocket, making it both practical and fashionable. The black color adds a timeless touch, making it easy to pair with jeans, shorts, or joggers for an effortlessly cool look.

\$128 (0% off)

Category: hoodie



Available Sizes: M, XXL, XL, L



Gray Slim-Fit Jogger Pants

These comfortable gray jogger pants are perfect for relaxed days or light workouts. Featuring a slim fit and cuffed ankles, they offer a modern and sporty look. The elastic waistband with an adjustable drawstring ensures a snug fit, while the soft fabric provides comfort for everyday wear. Whether you're lounging at home or heading out for a casual outing, these joggers are versatile enough to pair with a variety of tops. The neutral gray color adds a sleek, minimalist touch to your casual wardrobe.

\$170 (15% off)

Category: jeans



Available Sizes: L, M, XXL, XL



LOOSE FIT BERMUDA SHORTS

These Loose Fit Bermuda Shorts are designed for comfort and laid-back style. Made from lightweight, breathable fabric, these shorts offer a relaxed fit that hits just above the knee. The versatile design features a classic waistband with belt loops, side pockets, and a simple yet stylish look perfect for casual outings or beach days. Pair them with your favorite t-shirt or tank for a cool and comfortable summer outfit.

\$78 (20% off)

Category: short



Available Sizes: L, S, XL, M



Casual Green Bomber Jacket

This stylish green bomber jacket offers a sleek and modern twist on a classic design. Made from soft and comfortable fabric, it features snap buttons and ribbed cuffs, giving it a sporty yet refined look. The minimalist style makes it perfect for layering over casual t-shirts or hoodies. Whether you're out with friends or just lounging, this jacket provides a laid-back yet fashionable vibe. Its muted green color adds a subtle, earthy tone that pairs well with a variety of outfits, making it a versatile addition to your casual wardrobe.

\$300 (20% off)

Category: hoodie



Available Sizes: S, XXL, XL, L



Gradient Graphic T-shirt

Add a bold and artistic touch to your wardrobe with this unique graphic t-shirt. Featuring an eye-catching abstract swirl design in vibrant colors, it exudes energy and individuality. The "Just Walk Forward" slogan adds a motivational element, making this tee perfect for those who love to express themselves. Key Features: High-quality fabric for ultimate comfort and durability Modern, unisex design suitable for casual outings or statement looks Relaxed fit with a classic crew neckline Unique printed details for a one-of-a-kind style Pair it with jeans, joggers, or shorts to create a standout look!

\$145 (0% off)

Category: tshirt



Available Sizes: L, XL, S, XXL

API Calls

```
description: "This stylish green bomber jacket offers a sleek and modern twist on a classic design. Made from soft and comfortable fabric, it features snap buttons and ribbed cuffs, giving it a sporty yet refined look. The minimalist style makes it perfect for layering over casual t-shirts or hoodies. Whether you're out with friends or just lounging, this jacket provides a laid-back yet fashionable vibe. Its muted green color adds a subtle, earthy tone that pairs well with a variety of outfits, making it a versatile addition to your casual wardrobe.",
discountPercent: 20,
image: {
  _type: 'image',
  asset: {
    _ref: 'image-4e2ed6a9eaa6e1413843e53f3113ccfd2104c301-278x296-png'
  }
},
isNew: true,
name: 'Casual Green Bomber Jacket',
price: 300,
sizes: [ 'S', 'XXL', 'XL', 'L' ]
```

```
t of an everyday outfit, this hoodie provides comfort and versatility with a modern, relaxed flair.',
discountPercent: 10,
image: {
  _type: 'image',
  asset: {
    _ref: 'image-a93f8ab0d00d857ce42c057d8835e419d68a87eb-193x262-jpg'
  }
},
isNew: false,
name: 'Classic White Pullover Hoodie',
price: 150,
sizes: [ 'S', 'XL', 'M', 'L' ]
}
Uploading image: https://cdn.sanity.io/images/7xt4qcah/production/701cf9bdf7e58564aae72eb5b76896f02a1d4115-295x298.png
Image uploaded successfully: image-701cf9bdf7e58564aae72eb5b76896f02a1d4115-295x298-png
```

Self-Validation Check List

- ✓ API Understanding
- ✓ Schema Validation
- ✓ Data Migration
- ✓ API Integration in Next.js
- ✓ Submission Preparation