<u>Day 3 -API Integration Report</u> <u>Shop.com</u>

API Integration Process Step 1- API EndPoint StepUP

- API EndPoint : `https://template1-neon-nu.vercel.app/api/products`
- Structure: The API Provides Product Data, including field like `Product Name`, `Product Price`, `Product Image`, `Product Color`, `Category`, `Description`.
- Labrary: Axios was used to fetch data from the Api

Step 2 -Fetch Data API

** CODE SNIPPET **

```
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}');
   }
}
```

 The API call retrieves an array of product object from endpoint, ensuring proper data serialization.

Adjustment Made to Schemas

Product Schema Modifications

- 1. ** Field Updates:**
- Color: Added as an optional array of string to accommodate multiple color options.
- `image`: Configured as a Sanity image field with hotspot enabled for better image cropping and scaling.

2 . **Final Schema:**

```
page.tsx ...\Custome
import { defineType } from "sanity"
     name: 'products',
title: 'Products',
type: 'document',
fields: [
          name: 'description',
title: 'Description',
type: 'text',
               name:"discountPercent",
title:"Discount Percent",
type: 'number',
                name:"sizes",
title:"Sizes",
type: 'array',
of:[
                      {type: 'string'}
```

Migration Steps and Tools Used

** Migration Steps**

1. **Environment Setup**

- -Installed required dependencies: `@sanity/client`, `axios`, `dotenv`.
- -Create a `.env.local` file to securely store enivronment variables.

2. **Data Fetching:**

- -Retrieved product data from the API endpoint using Axios.
- -Parsed and logged the data to confirm its structure and integrity.

3. **Image Upload:**

- Downloaded images from the API's 'image' field using Axios.
- -Uploading images to sanity asset Manger using the Sanity Client.
- -Code To Upload images:

```
console.log(`Uploading image: ${imageUrl}`);

const response = await fetch(imageUrl);
if (!response.ok) {
  throw new Error(`Failed to fetch image: ${imageUrl}`);
}
```

```
const buffer = await response.arrayBuffer();
const bufferImage = Buffer.from(buffer);
```

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

ScreenShot

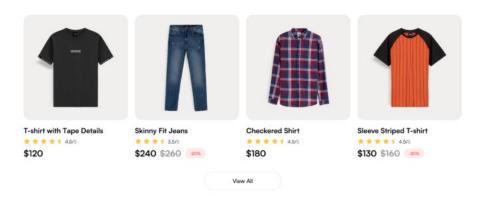
1. API CALL OUTPUT

```
    ○ Compiled / in 634ms

   description: "This stylish green bomber jacket offers a sleek and modern twist on a cl
ribbed cuffs, giving it a sporty yet refined look. The minimalist style makes it perfect f
t lounging, this jacket provides a laid-back yet fashionable vibe. Its muted green color
versatile addition to your casual wardrobe.",
   category: 'hoodie'
   discountPercent: 20,
   colors: [ 'Blue', 'Red', 'Black', 'Yellow' ],
   _id: 'T085KYtXNFHGKpMRVSw7zP',
name: 'Casual Green Bomber Jacket',
   price: 300,
   new: null,
   sizes: [ 'S', 'XXL', 'XL', 'L' ],
   imageUrl: https://cdn.sanity.io/images/p98zwfgl/production/4e2ed6a9eaa6e1413843e53f31
   price: 130,
   description: 'This product is a vibrant orange and black striped t-shirt with a sporty
mented by contrasting black raglan sleeves for a casual, athletic-inspired look. Ideal for
perfect for daily wear or sporting events. The soft fabric ensures a comfortable fit, whi
   category: 'tshirt',
   discountPercent: 40,
   imageUrl: https://cdn.sanity.io/images/p98zwfgl/production/b47f45391dc6913311e87f6afa
   name: 'Sleeve Stripe T-Shirt',
   new: null,
   colors: [ 'Red', 'Black', 'Blue', 'White' ],
sizes: [ 'S', 'L', 'XL', 'M' ],
_id: 'T085KYtXNFHGKpMRVSw9cX'
```

Fronted Display

NEW ARRIVALS





bandicam 2025-01-20 01-14-20-946 - Trim.mp4

