**DAY 3 NAME: MUHAMMED ANAS**

**ROLL NO: 00051245**

**TIMING: SAT 9-12AM**

# API Integration Report of MensApparel - Day 03

## Introduction

This project aimed to integrate data from an external API into Sanity using migration scripts. Our objective was to successfully import and structure the data in Sanity, ensuring it could be efficiently queried and displayed in our user interface. This report details the steps taken to complete the integration.

## Steps Involved

### 1. API Integration

We received an API that provided essential data for our project. The first step was to fetch data from this API and prepare it for import into Sanity.

### 2. Schema Creation

To properly structure the data, we created schemas for products and categories in Sanity. These schemas define how the data is stored and organized, making it easier to query and manage.

### 3. Migration Scripts

Migration scripts were developed to transform and insert the API data into Sanity. These scripts ensured that the data was correctly formatted before being stored in the database.

### 4. Adding Migration to package.json

To streamline execution, we added the migration script to the `package.json` file. This allowed us to run the migration using a simple command:

```
npm run migrate
```

This step simplified the process of importing data whenever required.

### 5. Importing Data into Sanity

After running the migration script, the API data was successfully imported into Sanity. This ensured that our database was populated with the necessary information.

### 6. Fetching Data with GROQ

We used GROQ, Sanity's query language, to retrieve the imported data. GROQ queries enabled us to fetch specific data efficiently, optimizing the process of displaying information in our UI.

**7. Displaying Data in UI**

Finally, the retrieved data was displayed in our user interface. This marked the completion of the full integration cycle, from API import to end-user visualization.

# Conclusion

This project successfully integrated external API data into Sanity using migration scripts, allowing for efficient data management and display. The process ensured that our application could dynamically fetch, organize, and present data as needed. The structured approach outlined above made the integration seamless and effective.

# Fashion Hub

Where fashion meets comfort, and your dreams meet reality - Shop with us and Experience the difference

🔒 Login with Email

# Our Services

## Free delivery

Free Delivery On Orders Above $1000

## 24/7 Customer Service

For Queries And Questions, Feel Free To Contact Us.

## Money Back Guarantee

Get A Money-Back Guarantee On Damaged Or Defective Products.

# Our Promotions



**Flash Sale!**

GET UPTO **50%** OFF

Buy Now To Get 50% OFF On Season Variant.

🛍 BUY NOW!!



**Flash Sale!**

GET UPTO **30%** OFF

Buy Now To Get 30% OFF On Season Variant.

🛍 BUY NOW!!

# Our Categories

COMPANY

About

Careers

Brand Center

Blog

HELP CENTER

Discord Server

Twitter

Facebook

Contact Us

LEGAL

Privacy Policy

Licensing

Terms & Conditions

DOWNLOAD

iOS

Android

Windows

MacOS

© 2023 Mens Apparel™. All Rights Reserved.

---

products.ts - Marketplace_Builder_Hackathon_Next.JS - Visual Studio Code [Administrator]

TS products.ts ×

types > TS products.ts > ...

```typescript
import { SanityAsset } from "@sanity/image-url/lib/types/types";

export interface Product {

    _id: string;
    productName: string;
    description: string;
    type:"product";
    image?:{
        asset:{
            ref : string ;
            _type: "image";
        }
    };
    slug : {
        _type : "slug";
        current:string;
    },
    price: number;
    category:string;
    discountPercentage:number;
    priceWithoutDiscount:number;
    rating:number;
    ratingCount:number;
    tags:string[];
    sizes:string[];
    inventory:number;
```

Ln 1, Col 1   Spaces: 4   UTF-8   CRLF   TypeScript   Go Live   Prettier

**Anas Amir**

TE  **temp-5-migration**

PLAN          STATUS        PROJECT ID
Growth Trial  Active        4gvldp9h ⧉

⊞ Overview   👥 Members   ⊞ Studios   🗄 Datasets   🔒 Access   ∿ Activity   📈 Usage   ⚡ Plan   🗲 API   ⚙ Settings

## Next steps

**Initialize your project with the CLI**

**Run this command in your Terminal to continue setting up your project.**

`npm create sanity@latest -- --project 4gvldp9h --dataset proc`   ⧉ Copy

Having issues with the CLI?

## Project members                              View all →

Invite your first team member

＋ Invite project members

## Usage                          View more →

**0** / 1m           **7** / 250k
API CDN Requests     API Requests

## Activity                      View more →

https://www.sanity.io/manage/personal/projects

---

| Webhooks | | | | |

**CORS origins**                              ＋ Add CORS origin

Hosts that can connect to the project API.

**CORS origins**

**Tokens**

| ORIGIN | CREDENTIALS | CREATED | |
|---|---|---|---|
| http://localhost:3000 | Allowed | 4 hours | 🗑 |

**Tokens**                                     ＋ Add API token

Tokens are used to authenticate apps and scripts to access
project data.

| NAME | PERMISSIONS | CREATED | |
|---|---|---|---|
| token-temp5-migration | Editor | 2 hours | 🗑 |