

# Day 3 – API Integration Report

## – Nike E-commerce Website

### **Objective:**

The purpose of Day 3 is to integrate an API and seamlessly migrate data into Sanity CMS, ensuring the backend is efficiently connected to the database. This involves setting up schemas, organizing the data structure, and verifying that all content is accurately stored. Additionally, the goal is to fetch the entire dataset in the frontend, displaying it dynamically and ensuring proper functionality across the project.

### **API Integration Process:**

We've provided an API to integrate into our Sanity CMS ensuring compatibility with templates. Using tools like postman to test API endpoints and testing the integration by rendering API data on the frontend.

### **Adjustments made to Schema:**

Updating Sanity CMS schema to match API fields.

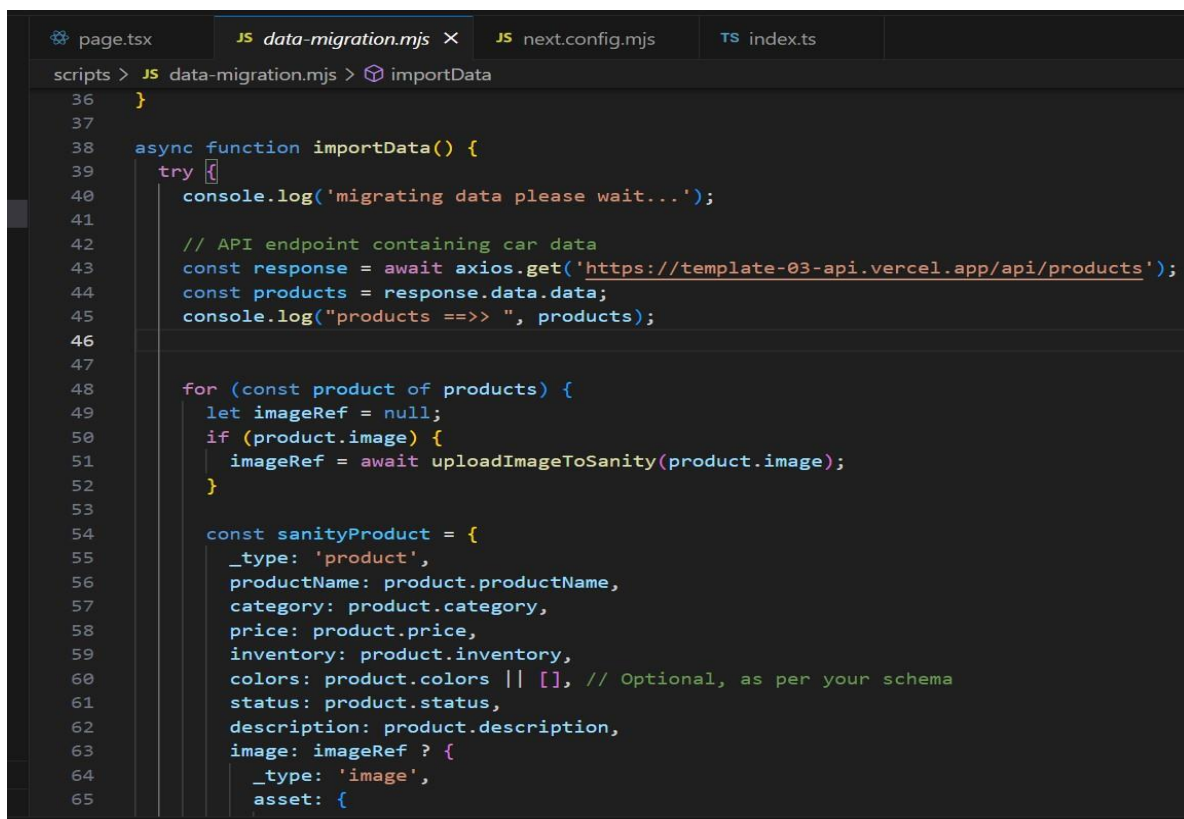
Example:

- API field: product\_title
- Schema field: name

### **Migration step and tools used:**

I wrote the scripts to fetch data from the API provided according to given template and used Sanity's build-in import tools to upload the data.


## API calls:




```
36 }
37
38 async function importData() {
39   try {
40     console.log('migrating data please wait...');
41
42     // API endpoint containing car data
43     const response = await axios.get('https://template-03-api.vercel.app/api/products');
44     const products = response.data.data;
45     console.log("products ==>> ", products);
46
47
48     for (const product of products) {
49       let imageRef = null;
50       if (product.image) {
51         imageRef = await uploadImageToSanity(product.image);
52       }
53
54       const sanityProduct = {
55         _type: 'product',
56         productName: product.productName,
57         category: product.category,
58         price: product.price,
59         inventory: product.inventory,
60         colors: product.colors || [], // Optional, as per your schema
61         status: product.status,
62         description: product.description,
63         image: imageRef ? {
64           _type: 'image',
65           asset: {
```

Data Successfully displayed in the frontend:


inslate
News
All Bookmarks



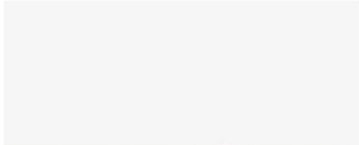
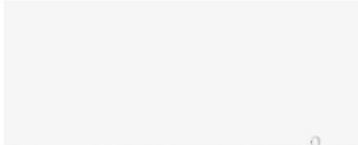

**Just In**  
**Nike Air Force 1 PLTAF.ORM**  
Women's Shoes  
Color: White  
Qty: 18  
**MRP : ₹ 8695**

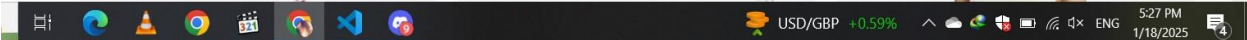


**Just In**  
**Nike Air Force 1 React**  
Men's Shoes  
Color: White  
Qty: 12  
**MRP : ₹ 13295**



**Just In**  
**Nike Standard Issue Basketball Jersey**  
Women's Basketball Jersey  
Color: White  
Qty: 40  
**MRP : ₹ 2895**



## Populated Sanity CMS fields:


S
Default
+ Create
Q


Structure
Vision
Schedules


Content
Product


Product
+ ...


Search list



Nike Waffle One SE



Nike Metcon 8



Nike Blazer Mid '77 Vintage



Nike Renew Run 3



Nike Zoom Fly 5


Nike Pegasus 40


Nike Air Max 270


Nike Court Vision Low


Nike Dri-FIT UV Hyverse


Nike Dunk Low Retro SE

Nike Waffle One SE

Product

**Nike Waffle One SE**

Product Name

Nike Waffle One SE

Category

Women's Shoes

Price

7895

Inventory

Published 20 hr. ago

What's new
Sanity Create Content Mapping, Visual Editing, and Content Releases