

API Integration & Sanity Migration for Bandage Marketplace

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Overview	1
Steps to Integrate APIs:	2
Overview	2
Steps for Sanity Migration:	3
Step 1: Set Up Sanity Project.....	3
Step 2: Define Product Schema.....	3
Step 3: Migrate Data.....	3

□ Introduction

This document outlines the steps required for API Integration and Sanity Migration for the **Bandage Marketplace**. The marketplace aims to streamline the product catalog, ensuring an optimized workflow for product management, and enhancing the customer shopping experience.

1. API Integration for Bandage Marketplace

Overview

API integration ensures seamless communication between external systems and the Bandage Marketplace platform. This enables the marketplace to fetch product details, process orders, and update inventory.

Steps to Integrate APIs:

1. **Create API Endpoints:** Define the necessary endpoints that the marketplace will use to interact with external services.
2. **Authentication & Security:** Implement OAuth or API Key-based authentication for secure API calls.
3. **Fetch Data:** Use fetch or Axios in your application to call API endpoints and retrieve product data.
4. **Handle Responses:** Parse API responses and use the data to populate the marketplace.
5. **Error Handling:** Implement proper error handling to deal with failed API calls.

Example:

```
const fetchProducts = async () => {  
  const response = await  
  fetch("https://api.example.com/products");  
  const products = await response.json();  
  return products;  
};
```

2. Sanity Migration for Bandage Marketplace

Overview

Sanity is a headless CMS that allows flexible content management. Migrating the product catalog to Sanity ensures better management of products, images, and metadata. This migration process will enable real-time updates and ensure that product information is consistent across all platforms.

Steps for Sanity Migration:

Step 1: Set Up Sanity Project

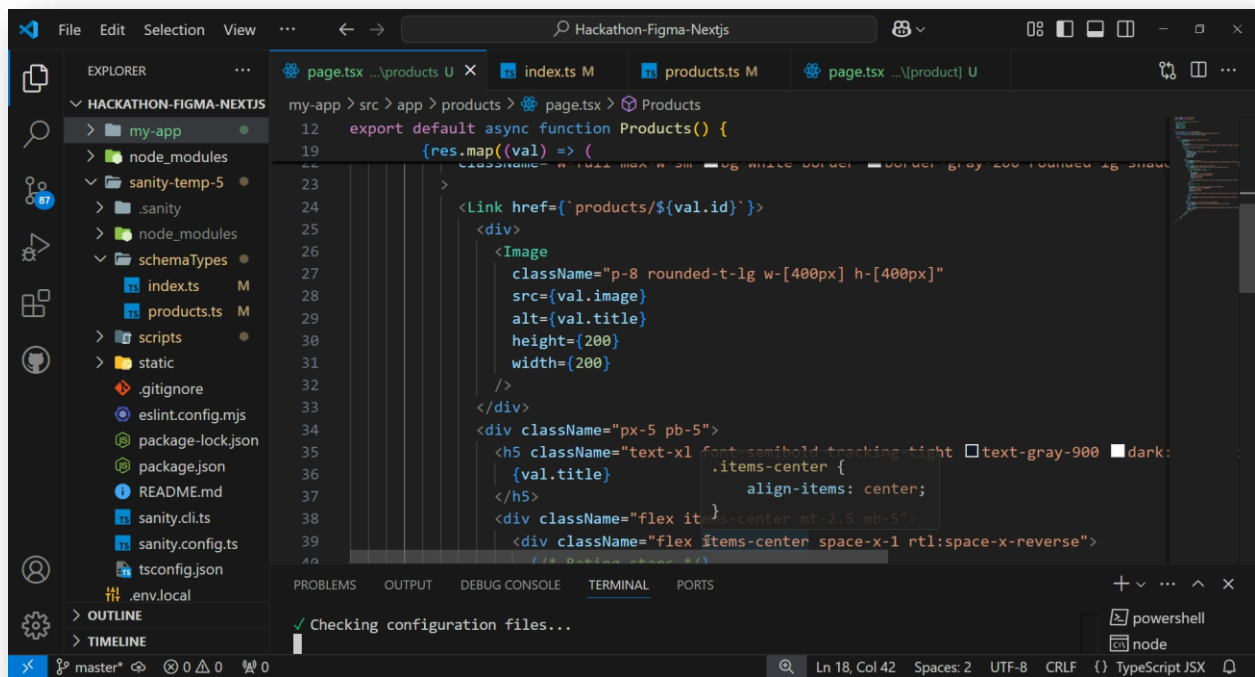
1. Create a new Sanity project for the Bandage Marketplace.
2. Install the Sanity CLI and initialize the project

npm install -g @sanity/cli

sanity init

Step 2: Define Product Schema

1. Define the product schema to capture product-related details such as title, description, price, and image.



Step 3: Migrate Data

1. **Export existing data:** Extract the product data from the previous system (e.g., JSON or CSV format).

2. Import Data to Sanity: Use the Sanity API to import the data into your new product schema.

```
sanity dataset import ./products.json  
production
```

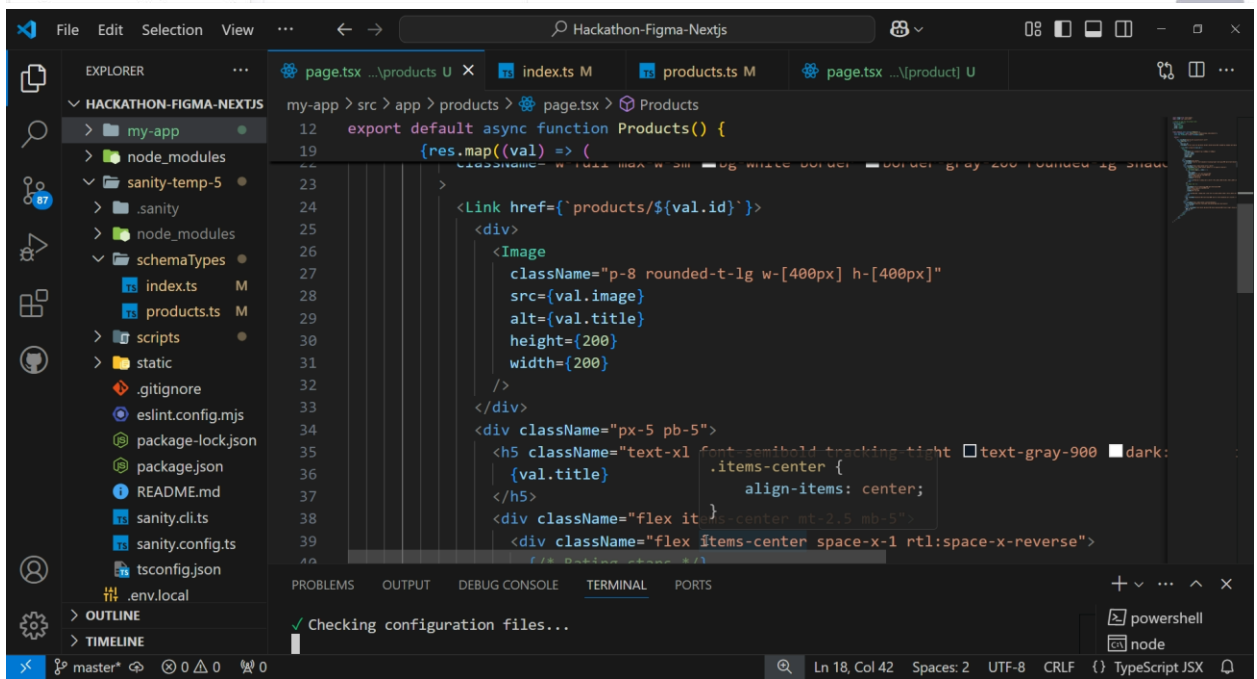
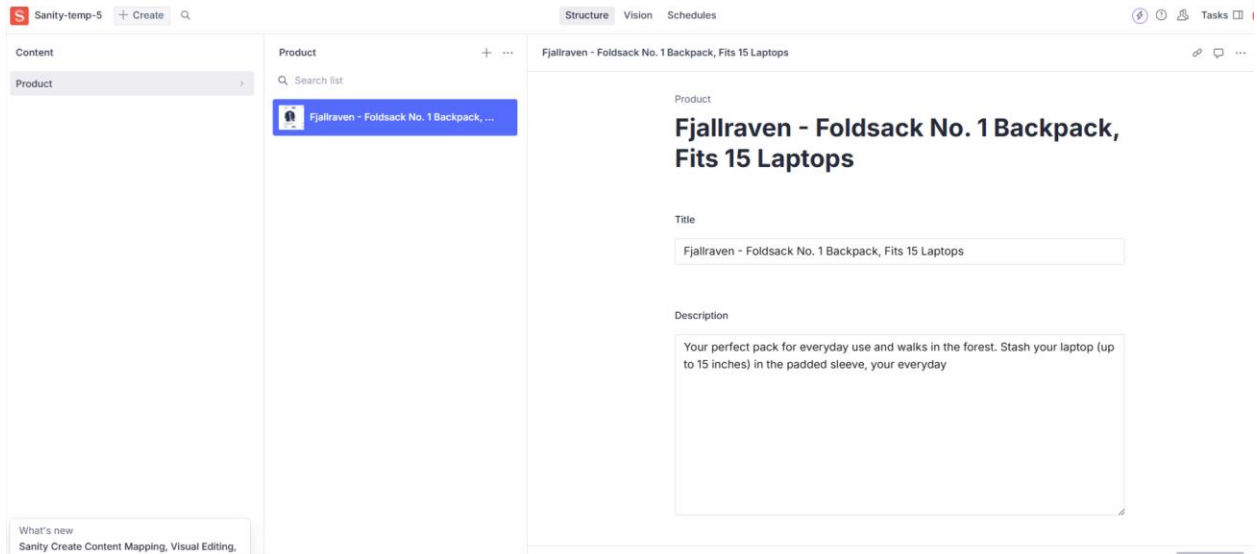
Step 4: Fetch Data from Sanity API

Use the Sanity Client to fetch product data from the Sanity backend

Conclusion

API Integration and Sanity Migration will enhance the performance, scalability, and user experience of the Bandage Marketplace. By following these steps, you can ensure that product data is consistently managed and easily accessed across all platforms.

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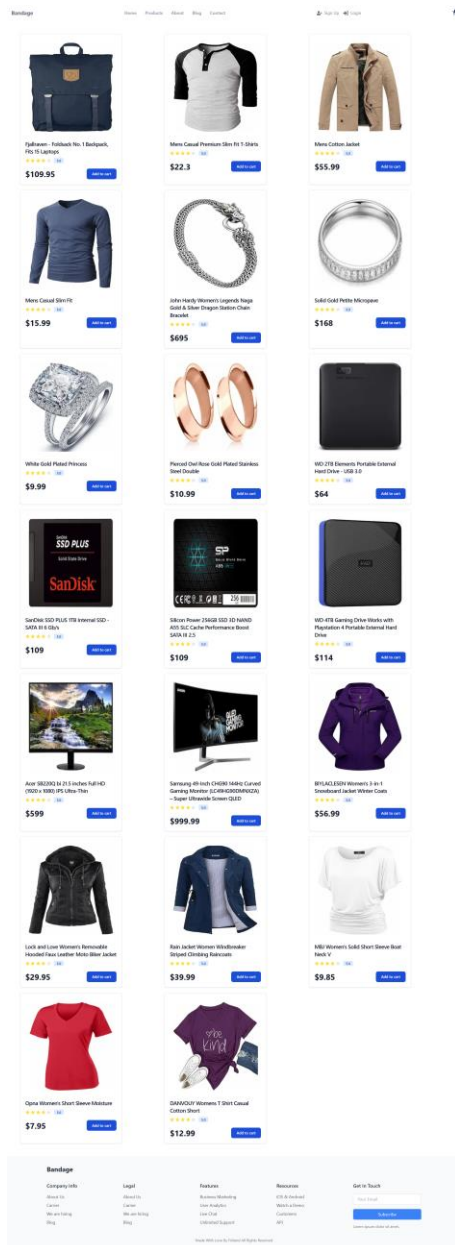


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