

# API Integration and Data Migration Report

## Day 3 - API Integration and Data Migration

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### Our API Integration Process:

As part of the integration process for our **Media Mart** e-commerce store:

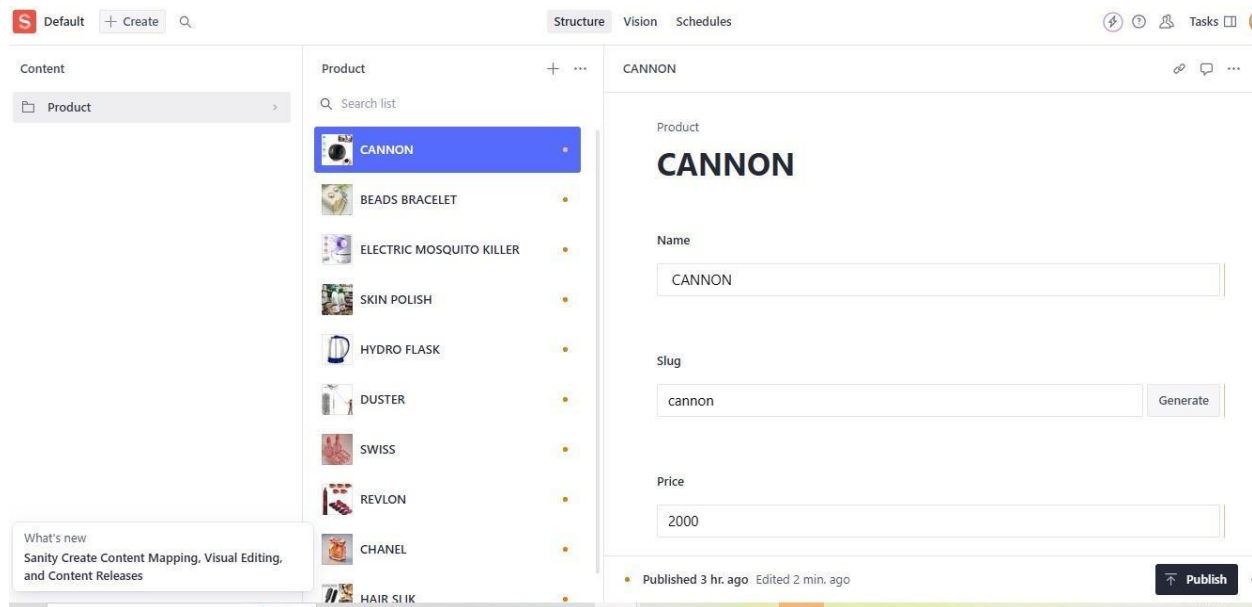
- We manually exported the product data instead of relying on an external API.
  - Data was formatted according to the required schema for Sanity CMS.
  - The integration involved populating Sanity CMS fields manually with the exported data.
  - The process ensured compatibility for local drop shipping operations in Pakistan.
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### Schema Adjustments

#### *Product Schema:*

1. Added fields for localized details such as:
  - Product name (English).
  - Pricing and discount options.
  - Product category specific to the **Pakistani Market**.

*Included support for images with manual uploads:*



## Category Schema:

- Updated to handle custom categories relevant to local drop shipping.
- Fields for category descriptions and Urdu translations.

## Migration Steps and Tools Used

### Steps:

#### 1. Data Export:

- Manually extracted product data from existing sources (CSV/Excel files).

## 2. Data Cleaning:

- Ensured data accuracy by standardizing formats and removing duplicates.

## 3. Schema Mapping:

- Mapped exported fields to the Sanity CMS schema.

## 4. Manual Entry into Sanity:

- Entered data into Sanity CMS using its user interface.

## 5. Validation:

- Verified that all fields were correctly populated and displayed on the frontend.

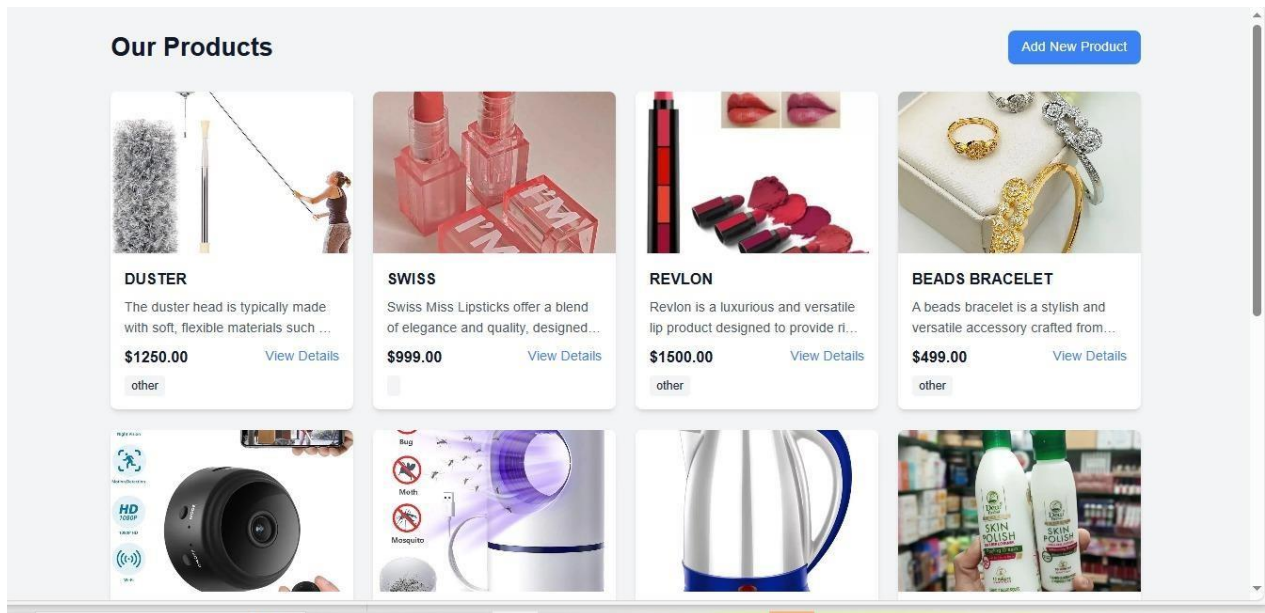
### *Tools Used:*

- **Excel/Google Sheets:** For organizing and cleaning product data.
  - **Sanity CMS Dashboard:** For manual data entry and validation.
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## 1. API Calls:

*(No external API calls were used in this process as data was manually exported and entered.)*

## 2. Data Successfully Displayed in the Frontend:



### 3. Populated Sanity CMS Fields:

S
Default
+ Create
Q

Structure
Vision
Schedules

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👤
Tasks

DATASET	API VERSION	CUSTOM API VERSION	PERSPECTIVE	QUERY URL [COPY TO CLIPBOARD]
production	Other	v2025-01-18	raw	https://us3kmaq59.api.sanity.io/v2025-01-18/data/query/p...

QUERY

\*

PARAMS

{
 }

RESULT

[...] 40 items

▼ 0: {...} 11 properties
 

▼ image: {...} 2 properties
 

▼ asset: {...} 2 properties
 

\_ref: image-13898c2c4fc996aa6f203b7a0796ab88d4bfc986-1062x1121-jpg
 

\_type: reference
 \_type: image
 \_createdAt: 2025-01-18T18:10:05Z
 \_rev: NxaIkVf0z91aTr5xFpLmb0
 name: DUSTER
 \_id: D24vb8qimRxTY37EypolD0
 category: other
 \_updatedAt: 2025-01-18T19:48:32Z
 price: 1250
 \_type: product
 description: The duster head is typically made with soft, flexible materials such as microfiber or

Fetch
Listen

Execution: 12ms
End-to-end: 475ms

Save result as
JSON
CS

### Code Snippets for API Integration and Migration Scripts

### ***API Integration:***

*(No code for API integration, as data export was performed manually.)*

### **4. Example Code for Frontend Integration:**

```

1  export default {
2    name: 'product',
3    title: 'Product',
4    type: 'document',
5    fields: [
6      {
7        name: 'name',
8        title: 'Name',
9        type: 'string',
10       validation: Rule => Rule.required()
11     },
12     {
13       name: 'slug',
14       title: 'Slug',
15       type: 'slug',
16       options: {
17         source: 'name',
18         maxLength: 96
19       },
20       validation: Rule => Rule.required()
21     },
22     {
23       name: 'sku',
24       title: 'SKU',
25       type: 'string'
26     },
27     {
28       name: 'price',
29       title: 'Price',
30       type: 'number',
31       validation: Rule => Rule.required().positive()
32     },
33     {
34       name: 'discountPrice',
35       title: 'Discount Price',
36       type: 'number'
37     },
38     {
39       name: 'images',
40       title: 'Images',
41       type: 'array',
42       of: [{ type: 'image' }],
43       options: {
44         hotspot: true
45       }
46     },
47     {
48       name: 'description',
49       title: 'Description',
50       type: 'text'
51     },
52     {
53       name: 'shortDescription',

```

## Example Migration Script:

*(No automated migration script was used as data was entered manually.)*

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## Self-Validation Checklist:

Task
API Understanding
Schema Validation
Data Migration
API Integration in Next.js

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## Submission Preparation

- Data successfully fetched and displayed in Sanity CMS.
- Frontend validated with manually entered data.
- Screenshots and code snippets included for reference.

## Conclusion:

This report documents the manual data migration process and integration with Sanity CMS for **Media Mart Teams**, ensuring a seamless user experience for local Drop shipping in Pakistan.

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Best Regards:

**WEB G MEDIA TEAMS**