Day 3 - API Integration Report - FURINO

This report details the process of incorporating product and category data from an external API into FURINO's backend system. The integration leverages Sanity CMS for streamlined data organization and Next.js to create a responsive and dynamic user interface. The key objectives of this process included retrieving data from the provided API, structuring and managing it in Sanity CMS, and dynamically rendering the data on the frontend.

API Integration Process

Step 1: Fetching Data From API

The API provided the following endpoints:

- **Products Endpoint:** Includes details such as titles, prices, descriptions, discount percentage, images.

[BASE API URL](#)

```
async function importProducts() {
  try {
    const response = await fetch('https://template6-six.vercel.app/api/products');

    if (!response.ok) {
      throw new Error(`HTTP error! Status: ${response.status}`);
    }
```

Console Output

```
    Perfect for creating peaceful, reflective spaces within your home.' +
    'Ideal for meditation, relaxation, or simply unwinding after a long day\n' +
    'Invites mindfulness and inner peace with every detail\n' +
    'Transform your living space into a peaceful retreat with ReflectiveHaven-where serene design meets mindful livi
ng, creating a sanctuary for reflection and relaxation.',
    dicountPercentage: 30,
    isNew: false,
    price: 300,
    productImage: {
      _type: 'Image',
      asset: {
        _ref: 'image-1d164807717fdbc56142a73f3dec82fea98d12e5-3902x5853-jpg'
      }
    },
    tags: [ 'reflective ', 'haven ', 'contemporary ', 'modern ', 'decor' ],
    title: 'Reflective Haven'
}
Uploading image: https://cdn.sanity.io/images/7xt4qcah/production/d5f4a21dc5a7418a7d021f9935f9904de96c56b9-4000x3907
.jpg
Image uploaded successfully: image-ed5874fb4498ee4ff897075bad504056cb87388c-4000x3907-jpg
Product Sunny Chic uploaded successfully: {
    _createdAt: '2025-01-26T11:30:42Z',
    id: 'NGNHvicDdCIxrWvTn0tn'
```

Step 2: Migrating Data to Sanity CMS

Key Schema Fields:

- title
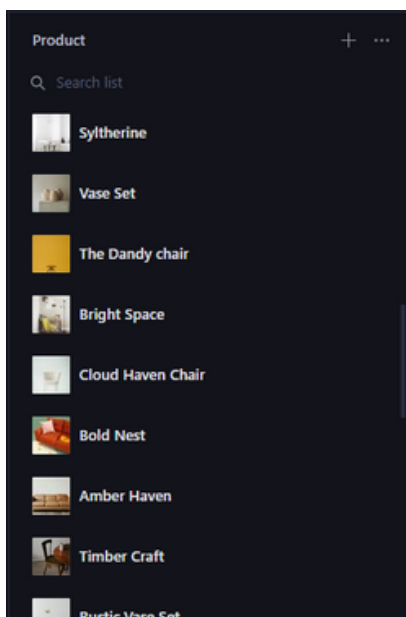- description
- price
- badge
- image
- tags

```js
> JS importData.js > ⓥ uploadImageToSanity
import { createClient } from '@sanity/client';

const client = createClient({
  projectId: 'v1okume5',
  dataset: 'production',
  useCdn: true,
  apiVersion: '2025-01-13',
  token:
    'sk5Nc5F78WdtoHgQqoLYeO0hQFG5jpUjXgW2Daz02YWPcjSSXuGwxXj7AmZ23gD5kwUuH4bkiNkVACv02duV3gVcmVpo3TaoFJM7HBqMuXXCRPsqkc7kubRRYGShahO
    7HrCDVfP5AhuERkhUHhNAX5OiIqwVDaTP7k2goENgGwuVSZ4vRDg1',
});

async function uploadImageToSanity(imageUrl) {
  try {
    console.log(`Uploading image: ${imageUrl}`);

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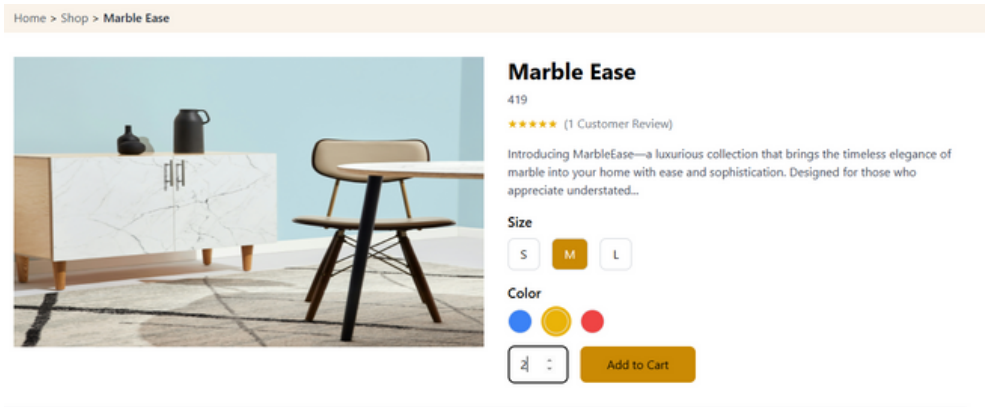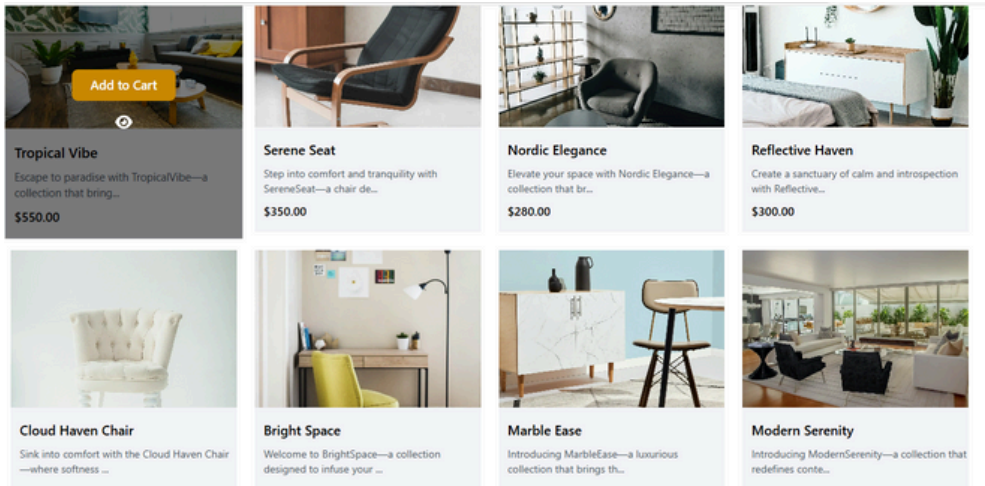
Sanity Dashboard

Step 3: Frontend Integration

```javascript
const fetchProducts = async () => {
  try {
    const query = `*[_type == "product"] {
      _id,
      title,
      price,
      description,
      dicountePercentage,
      "productImage": productImage.asset->url,
      tags,
      isNew,
      "slug": slug.current
    }`;
    const data = await sanity.fetch(query);
    setProducts(data);
  } catch (error) {
    console.error("Error fetching products: ", error);
  }
};
```


Tropical Vibe
Escape to paradise with TropicalVibe—a collection that bring...
$550.00

Serene Seat
Step into comfort and tranquility with SereneSeat—a chair de...
$350.00

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$280.00

Reflective Haven
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$300.00

Cloud Haven Chair
Sink into comfort with the Cloud Haven Chair—where softness ...

Bright Space
Welcome to BrightSpace—a collection designed to infuse your ...

Marble Ease
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Modern Serenity
Introducing ModernSerenity—a collection that redefines conte...

Home > Shop > **Marble Ease**

Marble Ease
419
★★★★★ (1 Customer Review)

Introducing MarbleEase—a luxurious collection that brings the timeless elegance of marble into your home with ease and sophistication. Designed for those who appreciate understated...

Size

S M L

Color

● ● ●

2 ⬍   Add to Cart

By Khudaja Murtaza