

API INTEGRATION & DATA MIGRATION

HACKATHON #3
DAY 03





Artistic Sleek Modern Chair



Leisure Sofa Chair Set
1800



Matilda Velvet Chair - Pink
600



IMPORT DATA FROM API TO SANITY

1: Data is fetched from an external API using a library like fetch or axios, which is provided. The response typically includes structured information such as names, prices, descriptions, and image URLs.

`importSanityData.mjs` is used to fetch data from an external API and import it into the Sanity content management system. This script utilizes the Sanity client to programmatically create and populate documents in the Sanity database.

API INTEGRATION

An API defines a set of rules and protocols that enable applications to communicate.

- Use tools or libraries (e.g., fetch, axios in JavaScript) to make requests to the API.
- Importing/exporting data to/from content management systems like Sanity.

```
nt.assets.upload('image', buffer, {
it('/').pop()

ded successfully: ${asset._id}`)

upload image:', imageUrl, error)

{

products from API...');
axios.get('https://next-ecommerce-template-4.vercel.app/api/product');
ponse.data;

contains the "products" array
ts || !Array.isArray(productsData.products)) {
id data format: "products" array is missing.');
```

TERMINAL PORTS COMMENTS

node

21 modules)

IMPLEMENTATION

Sanity's content management capabilities to fetch data from an external API, store it in Sanity's database, and make it available for querying

- Sign up in sanity then create Token which is necessary for API integration
- After create Token used to built groq query for fetching Data. Ensure the API data matches the expected schema in Sanity.

```
importSanityData.mjs > uploadImageToSanity
ync function importData() {
  // Upload the image to Sanity and get the reference ID
  let imageRef = null;
  if (product.imagePath) {
    imageRef = await uploadImageToSanity(product.imagePath);
  }

  // Create a product object for Sanity
  const sanityProduct = {
    _type: 'item',
    id: product.id,
    name: product.name,
    description: product.description,
    price: parseFloat(product.price), // Convert price to a number
    discountPercentage: product.discountPercentage || 0, // Default to 0
    isFeaturedProduct: product.isFeaturedProduct || false, // Default to false
    stockLevel: product.stockLevel || 0, // Default to 0 if missing
    category: product.category || 'Uncategorized', // Default category
    image: imageRef ? {
      _type: 'image',
      asset: {
        _type: 'reference',
        _ref: imageRef,
      },
    } : undefined,
  };
}
```

led /griddefault in 4.7s (2821 modules)

SANITY OUTPUT

[Structure](#)[Vision](#)[Schedules](#)

Item

+ ...



Diondre Chair - Tuft Button - Acrylic ...



Armchair Tortuga



Tribù Elio Chair



Cantilever Chair



Nordic Net Red Chair



Sobuy Blue Folding Chair Wooden P...



Varmora Plastic Chair Solid



Matilda Velvet Chair – Pink



Diondre Chair - Tuft Button - Acrylic ...



Leisure Sofa Chair Set

Armchair Tortuga

Armchair Tortuga

Product ID

Name

Image

Upload an image of the product.

ing, Visual Editing,

Browser OUTPUT

Featured Products



Tribù Elio Chair



Code - Y523201

\$1200



View Details

Uchiwa Quilted Lounge
Chair



Code - Y523201

\$1600



Stylish Golden Metal Legs
Mint Blue Fabric Velvet Sofa
Leisure Armchair



Code - Y523201

\$780



High Quality Modern
Customized Plastic Chair



Code - Y523201

\$150

Latest Products

New Arrival Best Seller Featured Special Offer