

# "Day 3 - API Integration Report -General E-commerce Furniture Website

## 1. API integration process

- Install sanity in the project
- On vision in sanity write a gork query to fetch data
- Use an HTTP client ( `fetch`) to fetch data from the mock API.
- Configure a schema in Sanity for the type of data
- Using GET show the data on frontend

## 2. Migration steps and tools used..

- Clone the github repo(`git clone`)
- Install node packages(`npm install`)
- Make a sanity project
- Get the id and dataset and token from project
- Make env file and put these data in it
- Import data using a custom script:
- Run the file(`node importData.js`)
- Importing started in Sanity

## 3. Adjustments made to schemas

- **Before Mock api Schema having properties**

1. Name
2. Image
3. Price
4. Tag
5. Image
6. Description
7. Rating
8. category

- Now Scheme after Mock api

1. Tittle
2. Description
3. Price
4. Tags
5. discountPercentage
6. isNew
7. image

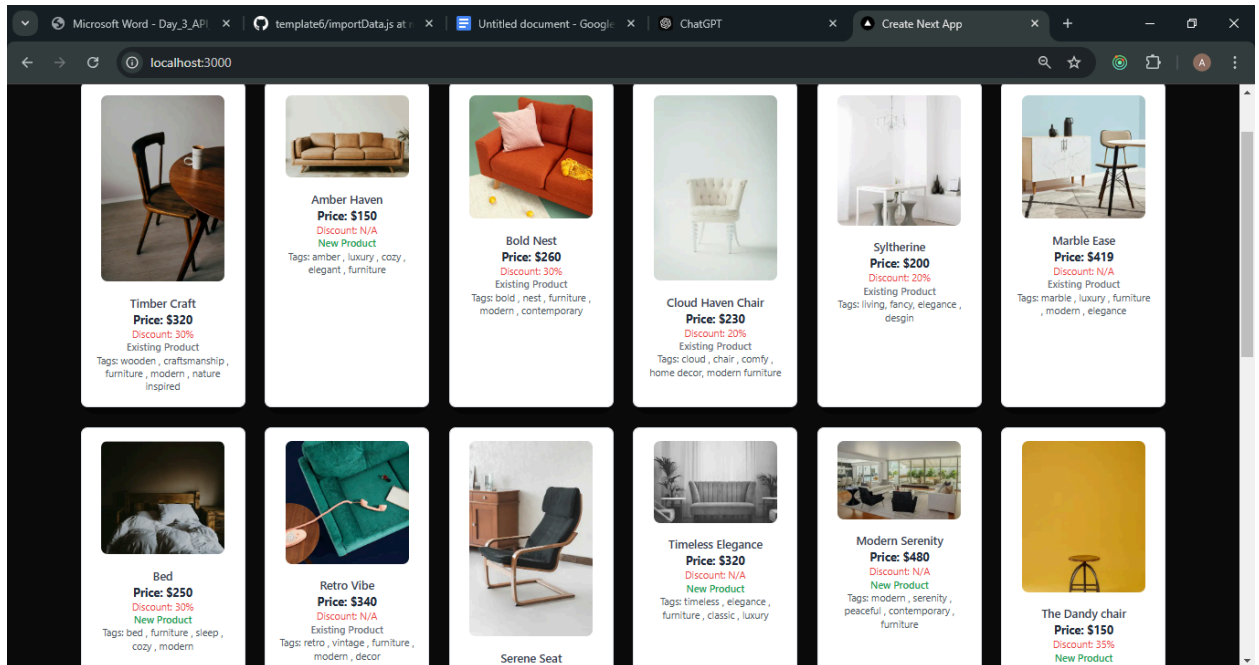
## Screenshots

### 1. Api call

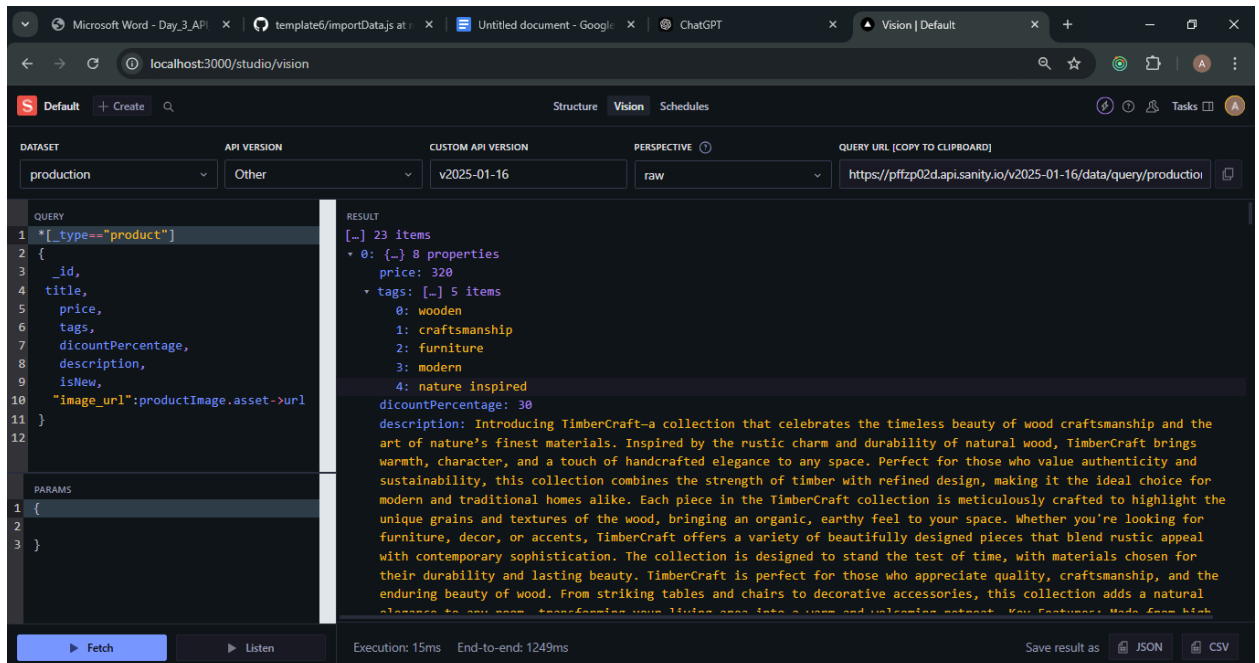


```
export const getProducts = async () => {
  const products = await client.fetch(
    `
    *[_type=="product"]
    {
      _id,
      title,
      price,
      tags,
      dicountPercentage,
      description,
      isNew,
      "image_url":productImage.asset->url
    }
  `
  );
  return products;
};
```

## 2. Data successfully displayed in the frontend



### 3. Populated Sanity CMS fields



## 4. Code snippets for API integration and migration scripts.

- Fetching Data from the API:

```
import { client } from "@sanity/lib/client";
import Image from "next/image";

export const getProducts = async () => {
  const products = await client.fetch(
    `
    *[_type=="product"]
    {
      _id,
      title,
      price,
      tags,
      dicountPercentage,
      description,
      isNew,
      "image_url":productImage.asset->url
    }
  `
  );
  return products;
};
```

## Displaying Fetched Data on the Frontend

```
export default async function Home() {
  const products = await getProducts();

  return (
    <div className="font-sans p-8">
```

```

    <h1 className="text-3xl font-bold text-center text-gray-800
mb-8">Products</h1>
    <div className="flex flex-wrap gap-6 justify-center">
      {products.map((item: any) => (
        <div
          key={item._id}
          className="bg-white shadow-lg rounded-lg p-4 text-center
border border-gray-200"
          style={{ width: "200px" }} // Small width for each product
card
        >
          <Image
            src={item.image_url}
            alt={item.title}
            width={150} // Smaller image width
            height={150} // Smaller image height
            className="rounded-lg mx-auto mb-4"
          />
          <h2 className="text-sm font-semibold
text-gray-700">{item.title}</h2>
          <p className="text-sm font-bold text-gray-800">Price:
${item.price}</p>
          <p className="text-xs text-red-500">
            Discount: {item.dicountPercentage ?
`${item.dicountPercentage}%` : "N/A"}
          </p>
          <p
            className={`text-xs font-medium ${
              item.isNew ? "text-green-600" : "text-gray-500"
            }`}
          >
            {item.isNew ? "New Product" : "Existing Product"}
          </p>
          <p className="text-xs text-gray-600">
            Tags:{" "}
            {item.tags && item.tags.length > 0
              ? item.tags.join(", ")
              : "No tags available"}
          </p>
        </div>
      )

```

```

    )))
  </div>
</div>
);
}

```

## Import Data into Sanity CMS

```

import { createClient } from '@sanity/client';

const client = createClient({
  projectId: "pffzp02d",
  dataset: 'production',
  useCdn: true,
  apiVersion: '2025-01-13',
  token:
"skO8KbH6ryNz0J6XT2D2Hx5aIutzQEQcqZuJiKrOy1c5zZKXoeddVECBZiz0gtqL8uH4fVdIu
3BDVumAeOkM0QXJ3KWIW1s4Z0y5BGLgrPSSw8MuUyZVABvlwQMkNhbdWYM2Sq2jJjK4zFALAn7
rVKLkRNJLgp2yOIAOuaxv28UWfMEhCq6b",
});

```

## .env file

```

projectId=pffzp02d
dataset=production
token=skO8KbH6ryNz0J6XT2D2Hx5aIutzQEQcqZuJiKrOy1c5zZKXoeddVECBZiz0gtqL8uH4
fVdIu3BDVumAeOkM0QXJ3KWIW1s4Z0y5BGLgrPSSw8MuUyZVABvlwQMkNhbdWYM2Sq2jJjK4zF
ALAn7rVKLkRNJLgp2yOIAOuaxv28UWfMEhCq6b

```

