# Day 3 - API Integration Report of HomeDecour

Marketplace_builder_hackathon_2025

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# Screenshots of:

- API calls.

GET https://template-03-api.vercel.app/api/products Send

Query Headers 2 Auth Body Tests Pre Run

Query Parameters

parameter value

Status: 200 OK Size: 6.56 KB Time: 192 ms

Response Headers 16 Cookies Results Docs { }

Copy


```
{
  "success": true,
  "data": [
    {
      "productName": "Nike Air Force 1 Mid '07",
      "category": "Men's Shoes",
      "price": 10795,
      "inventory": 20,
      "colors": [
        "White"
      ],
      "status": "Just In",
      "image": "https://template-03-api.vercel.app/products/1.png",
      "description": "The Nike Air Force 1 Mid '07 delivers timeless style with premium leather and mid-cut design. Perfect for everyday wear, it provides exceptional comfort and durability. The iconic Air-Sole cushioning adds responsive support for long-lasting performance."
    },
    {
      "productName": "Nike Court Vision Low Next Nature",
      "category": "Men's Shoes",
      "price": 4995,
      "inventory": 35,
      "colors": [
        "Black"
      ],
      "status": "Just In",
      "image": "https://template-03-api.vercel.app/products/2.png",
      "description": "The Nike Court Vision Low Next Nature combines retro basketball style with modern sustainability. Made with at least 20% recycled content, it features a sleek design, durable materials, and ultimate comfort for everyday wear."
```


Response Chart

package.json > { } scripts > migration

Click to collapse the range.

```
"name": "template-7",
"version": "0.1.0",
"private": true,
Debug
"scripts": {
  "dev": "next dev --turbopack",
  "build": "next build",
  "start": "next start",
  "lint": "next lint",
  "migration": "node scripts/importTemplate7Data.mjs"
},
```

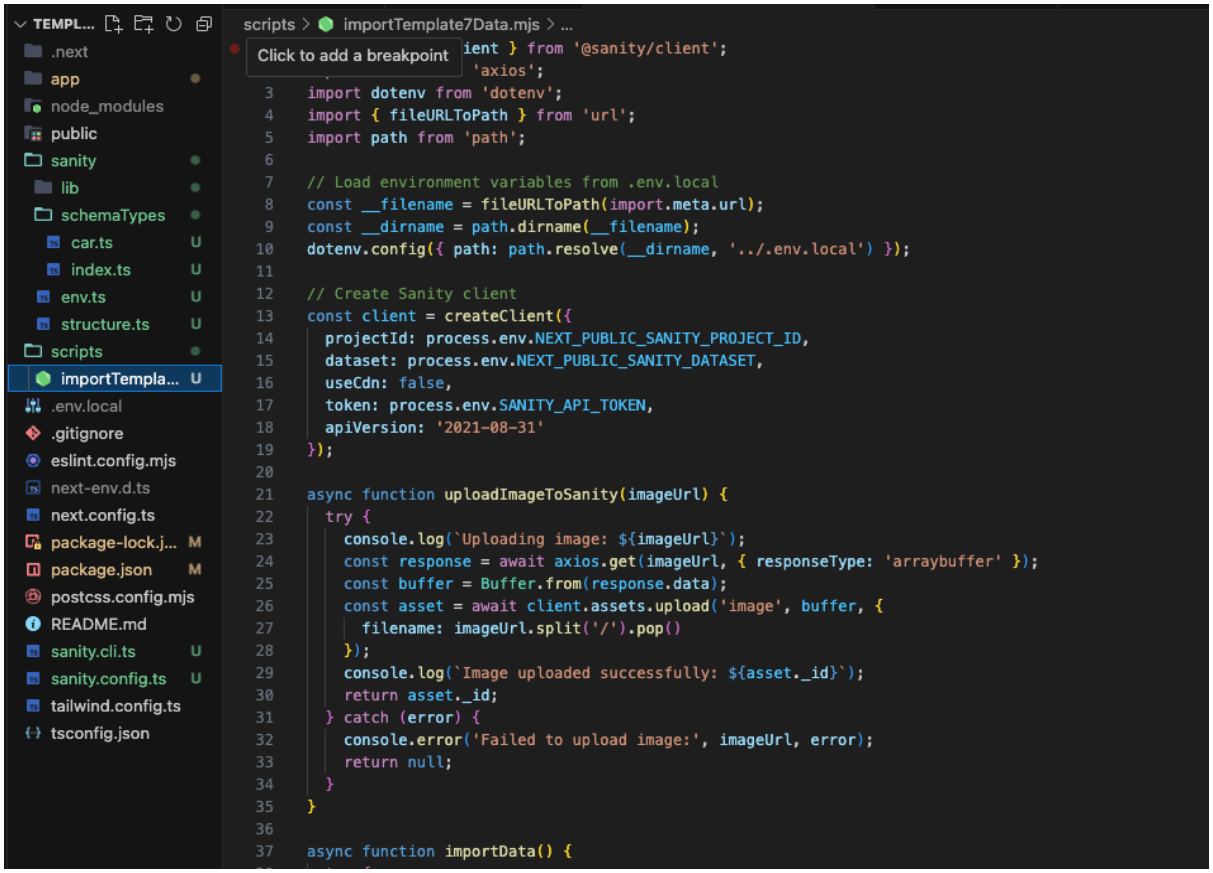
- Sanity CMS:

  Create project in sanity as hackthon three. Generate productionID, and token from sanity

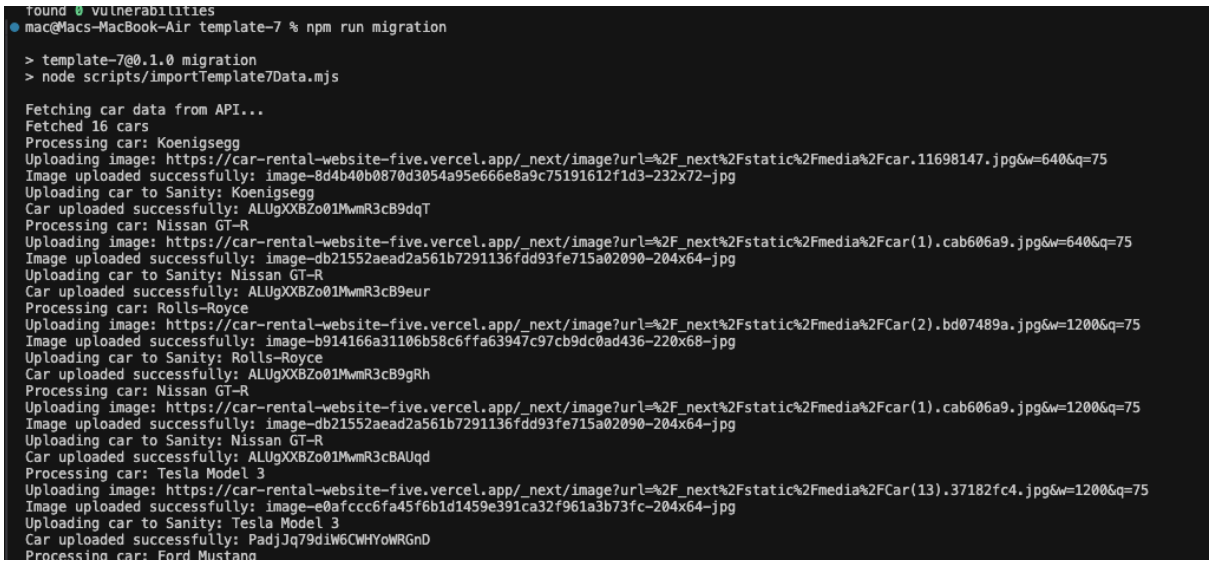
.env.local

```
NEXT_PUBLIC_SANITY_PROJECT_ID="9658piqi"
NEXT_PUBLIC_SANITY_DATASET="production"
SANITY_API_TOKEN=skpZa4cIXYt5WKS126jlXcgyN0vKJ6aN8tMnmyO472Tdg6Rtun7Hnena7fZHmV14b4tp9ggUSpYMKOkQuvuKkcSU
```

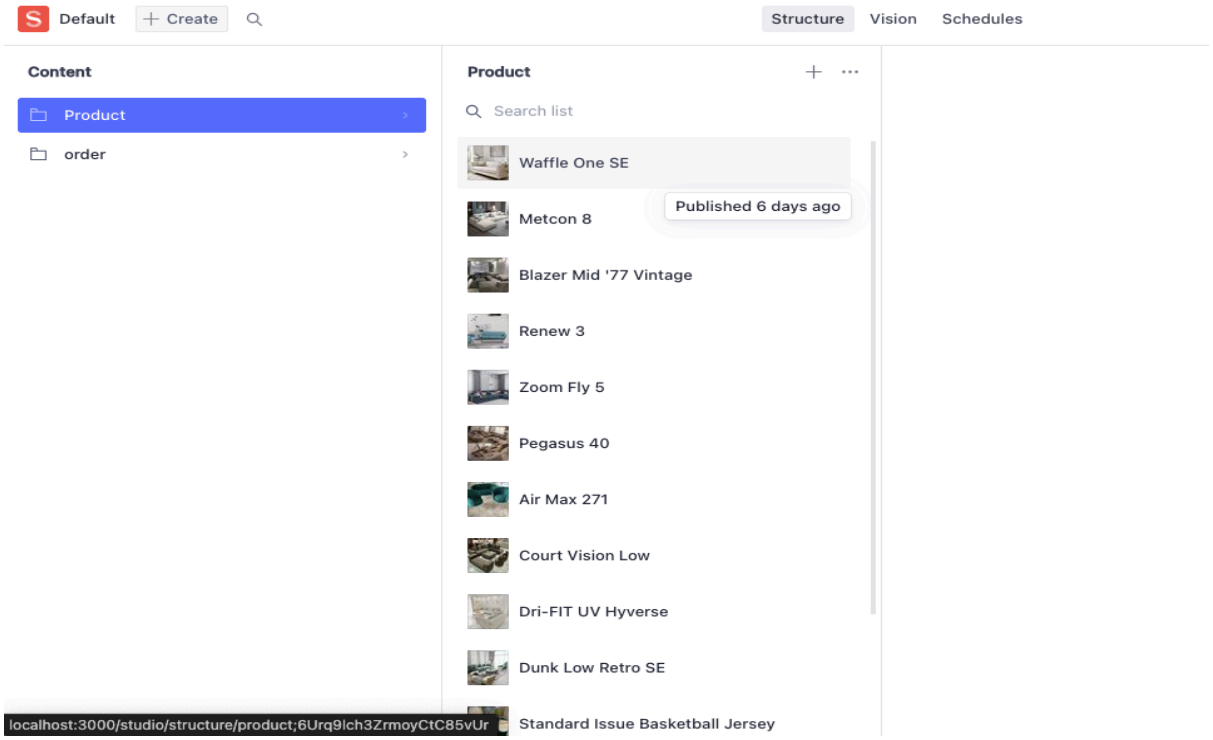
- **Migration Nextjs to Sanity:**



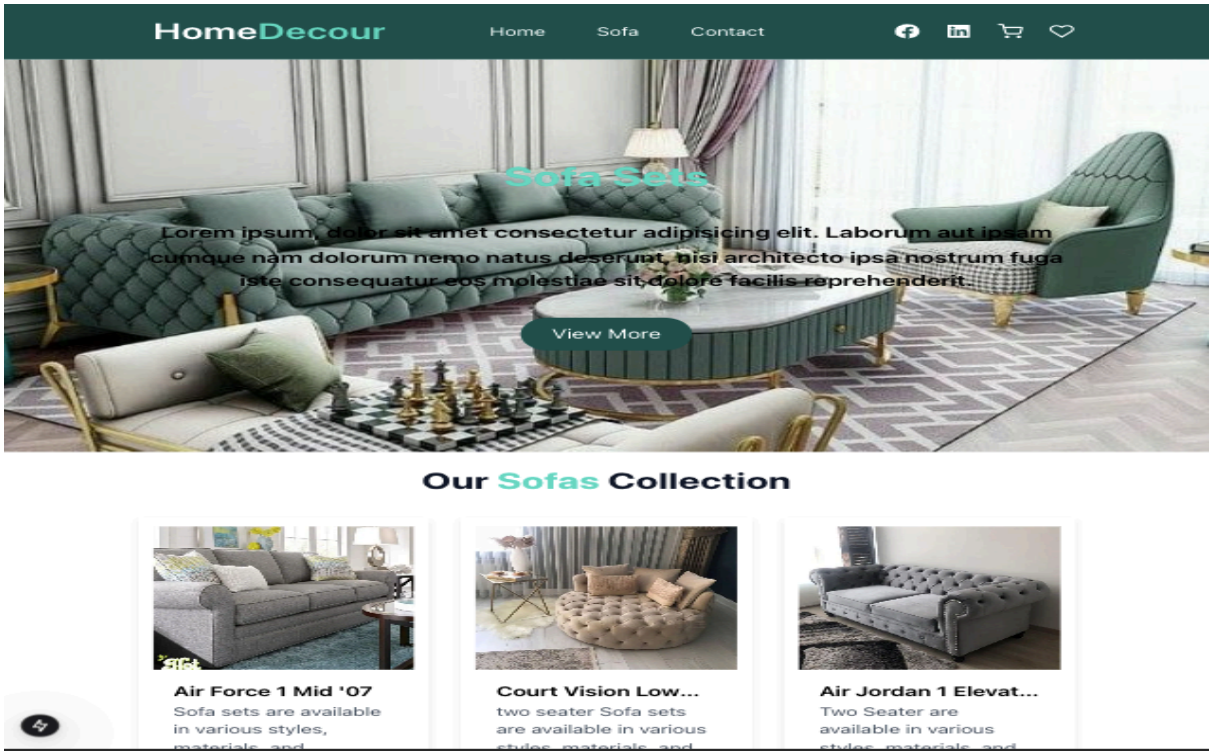

**Check migration by run command npm run migration**



# Display data successfully in sanity:




# Data successfully displayed in the frontend



# SUMMARY:

# Technical Report: Documentation of HomeDecour Website Deployment

## Introduction:

This report documents the development process of an homedecour (e-commerse) website, focusing on API integration, schema adjustments, and migration steps. The goal was to create a scalable and maintainable platform for managing products, orders, and user interactions.

## API Integration Process:

### Overview

The e-commerce website integrates with several APIs to fetch product data, manage orders, and handle user authentication. Below are the steps taken for API integration:

### Product Data AP:

**Purpose:** Fetch product details (e.g., name, price, description, image).

**Integration Steps**

- Used `fetch` or `axios` to call the product API.
- Stored the fetched data in React state using `useState` and `useEffect`.
- Displayed the data in the `ProductList` and `ProductCard` components.

## Adjustments Made to Schemas:

### Sanity Schema for Products:

The product schema was designed to store details such as name, price, description, and images. Below is the adjusted schema:

```
EXPLORER
BLOG-WEB
src
  app
    sofa
    studio
    error.tsx U
    favicon.ico
    globals.css M
    layout.tsx M
    page.tsx M
  components
    ui
    cartCard.tsx U
    contact.tsx U
    footer.tsx U
    hero.tsx U
    navbar.tsx U
    searchbar.tsx U
    sofa.tsx U
  lib
  sanity
    lib
    schemaTypes
      home.ts U
      index.ts U
      order.ts U
      product.ts U
      env.ts U
      structure.ts U
  types
  .env.local
  .gitignore
  .hintrc U
  components.json U
  cypress.config.ts U
> OUTLINE
> TIMELINE
```

```
README.md M   page.tsx U   product.ts U
src > sanity > schemaTypes > product.ts > productSchema > fields > options > source
```

```
export const productSchema = {
    name: 'product',
    title: 'Product',
    type: 'document',
    fields: [
      {
        name: 'productName',
        title: 'Product Name',
        type: 'string',
      },
      {
        name: 'slug',
        title: 'slug',
        type: 'slug',
        options:{
          source:"productName",
        }
      },
      {
        name: 'category',
        title: 'Category',
        type: 'string',
      },
      {
        name: 'price',
        title: 'Price',
        type: 'number',
      },
      {
        name: 'inventory',
        title: 'Inventory',
        type: 'number',
      },
      {
        name: 'colors',
        title: 'Colors',
        type: 'array',
        of: [{ type: 'string' }],
      },
      {
        name: 'status',
        title: 'Status',
        type: 'string',
      },
```

## Sanity Schema for Orders:

The order schema was adjusted to include customer details, ordered items, and order status:

```
src
  app
    sofa
    studio
    error.tsx U
    favicon.ico
    globals.css M
    layout.tsx M
    page.tsx M
  components
    ui
    cartCard.tsx U
    contact.tsx U
    footer.tsx U
    hero.tsx U
    navbar.tsx U
    searchbar.tsx U
    sofa.tsx U
  lib
  sanity
    lib
    schemaTypes
      home.ts U
      index.ts U
      order.ts U
      product.ts U
      env.ts U
      structure.ts U
  types
  .env.local
  .gitignore
  .hintrc U
  components.json U
  cypress.config.ts U
> OUTLINE
> TIMELINE
```

```

export default   {
    name: "order",
    type: "document",
    title: "order",
    fields:[
        {
            name: "firstName",
    type: "string",
    title: "First Name",
        },
        {
            name: "lastName",
            type: "string",
            title: "Last Name",

        },
        {
            name: "discount",
            type: "number",
            title: "Discount"
        },
        {
            name: "address",
            type: "string",
            title: "Address",

        },
        {name: "city",
        type: "string",
        title: "City",
    },
    {
        name: "zipCode",
        type: "string",
        title: "Zip Code",

    },
    {
        name: "phone",
        type: "number",
        title: "Phone",
    },
    {
```

## Migration Steps and Tools Used:

### Data Migration

**Purpose:** Migrate existing product to Sanity.

**Steps:**

- Exported existing data from the old system (e.g., CSV, JSON).
- Created a migration script using Node.js to transform and upload data to Sanity.
- Used the `@sanity/client` package to interact with the Sanity API.

### Tools Used:

**Sanity CLI:** For managing schemas and datasets.

**Node.js:** For writing migration scripts.

**Postman:** For testing API endpoints.

**Git:** For version control and collaboration.

# Conclusion:

The e-commerce website was successfully developed with seamless API integration, well-defined schemas, and efficient data migration. Challenges were addressed through careful planning and testing, and best practices were followed to ensure a scalable and maintainable platform.