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HACKATHON DAY 03

API INTEGRATION AND DATA MIGRATION

API Integration Report - [E-Commerce Funiro Website]

Template 6:

- API : <https://template6-six.vercel.app/api/products>
- Sanity Schemas: <https://github.com/developer-hammad-rehman/template6/blob/main/src/sanity/schemaTypes/product.ts>
- Migration Script: <https://github.com/developer-hammad-rehman/template6/blob/main/importData.js>

Steps of API Integration

1. Clone the repository
Git clone: <https://github.com/laibanoor101/funiro-web>
2. In CMD install sanity project by using commands
Command: npm create sanity@latest

```

Welcome to create: a delightful Repository templating engine.

Learn more about create on:
  https://create.bingo

Running with mode --migrate using the template:
  create-sanitylatest

x Could not load create-sanity@latest: The default export of create-sanity@latest should be a Template.
  The default export of create-sanity@latest should be a Template.

You are logged in as positivethought256@gmail.com using GitHub
Fetching existing projects

  Create a new project or select an existing one Create new project
  Your project name: My Sanity Project
  Your content will be stored in a dataset that can be public or private, depending on
  whether you want to query your content with or without authentication.
  The default dataset configuration has a public dataset named "production".
  Use the default dataset configuration? Yes
  Creating dataset
  Would you like to add configuration files for a Sanity project in this Next.js folder? Yes
  Do you want to use TypeScript? Yes
  Would you like an embedded Sanity Studio? Yes
  What route do you want to use for the Studio? /studio
  Select project template to use Clean project with no predefined schema types
  Would you like to add the project ID and dataset to your .env.local file? Yes
  Added http://localhost:3000 to CORS origins
  Running 'npm install --legacy-peer-deps --save @sanity/vision@3 sanity@3 @sanity/image-url@1 styled-components@6'
  npm warn deprecated @sanity/block-tools@3.70.0: Renamed - use '@portabletext/block-tools' instead. '@sanity/block-tools' will no longer receive updates.

added 934 packages, changed 1 package, and audited 1072 packages in 3m
146 packages are looking for funding
  run 'npm fund' for details

1 moderate severity vulnerability
To address all issues, run:
  npm audit fix --force
Run 'npm audit' for details.

added 10 packages, and audited 1088 packages in 12s

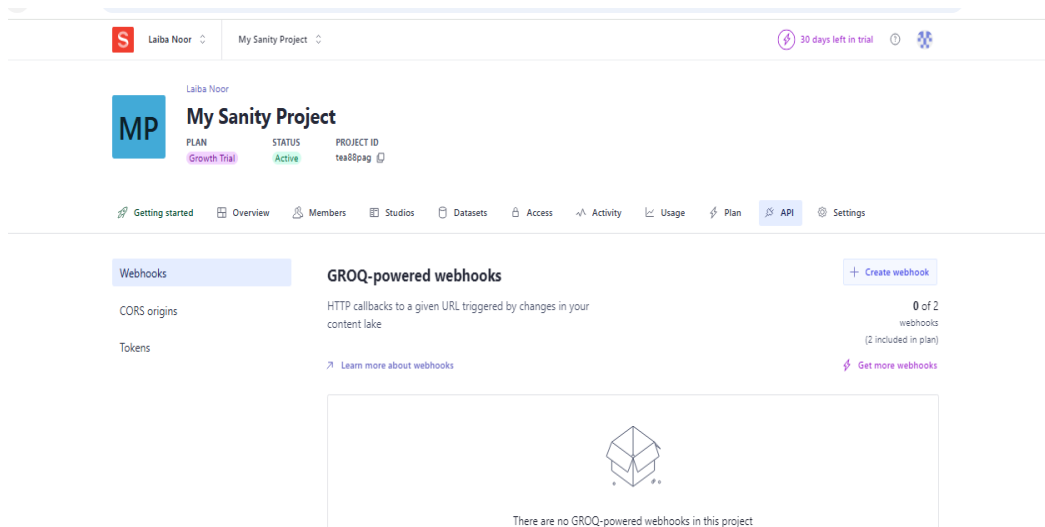
```

3. Sanity install successfully

```
Run `npm audit` for details.
```

Success! Your Sanity configuration files has been added to this project

4. Copy product id from sanity.io



5. Token created



6. Now paste product id and sanity API token in .env.local file on Vs code

```

1 import { createClient } from '@sanity/client';
2
3 const client = createClient({
4   projectId: 'tea88pag',
5   dataset: 'production',
6   useCdn: true,
7   apiVersion: '2025-01-13',
8   token: 'skBjLaXrIQpFexBFX1nhZxQfG3hz2qym6D0aDmJ8YEoIF2AheTpmYSH1XoTw1LYvvsYxRi0HeZkbaJc3HqVLRIAp78xaSgLEMusKx1oyC9IBUgV1RkxPMPDeS81dj2L4RSVcoAFFN9VO1TteSsxGm'
9 });
10
11 async function uploadImageToSanity(imageUrl) {
12   try {
13     console.log('Uploading image: ${imageUrl}');
14
15     const response = await fetch(imageUrl);
16     if (!response.ok) {
17       throw new Error('Failed to fetch image: ${imageUrl}');
18     }
19   }
20 }

```

7. Make file: [src/sanity/schemaTypes/product.ts](#)


```

1 import { defineType } from "sanity"
2
3 export const product = defineType({
4   name: "product",
5   title: "Product",
6   type: "document",
7   fields: [
8     {
9       name: "title",
10      title: "Title",
11      validation: (rule) => rule.required(),
12      type: "string"
13    },
14    {
15      name: "description",
16      type: "text",
17      validation: (rule) => rule.required(),
18      title: "Description",
19    },
20    {
21      name: "productImage",
22      type: "image",
23      validation: (rule) => rule.required(),
24      title: "Product Image"
25    },
26    {
27      name: "price",
28      type: "number",
29      validation: (rule) => rule.required(),
30      title: "Price",
31    },
32    {
33      name: "tags",
34      type: "array",

```

8. Use provided API according to the template in importData.js file

Path: script/importData.js



```
1 import { createClient } from '@sanity/client';
2
3 const client = createClient({
4   projectId: 'tea88pag',
5   dataset: 'production',
6   useCdn: true,
7   apiVersion: '2025-01-13',
8   token: 'skBjLxRtIQMPFeX8FX1nhZxQFGzh22qym6D0aD0m38YEoiF2AheTpmYSH1XoTw1lYvwsYxRi0hEzkbAjc3HqvLR1Ap78xaSqeWusKx1oyC9IBugV1RkxPPMDe581dJ2L4RSVcoAFFN9YO1Tte5sxGrbnPMw1g
9 });
10
11 async function uploadImageToSanity(imageUrl) {
12   try {
13     console.log('Uploading image: ${imageUrl}');
14   } catch (error) {
15     console.error('Error uploading image: ', error);
16   }
17 }
```

9. Make changes in package.json file

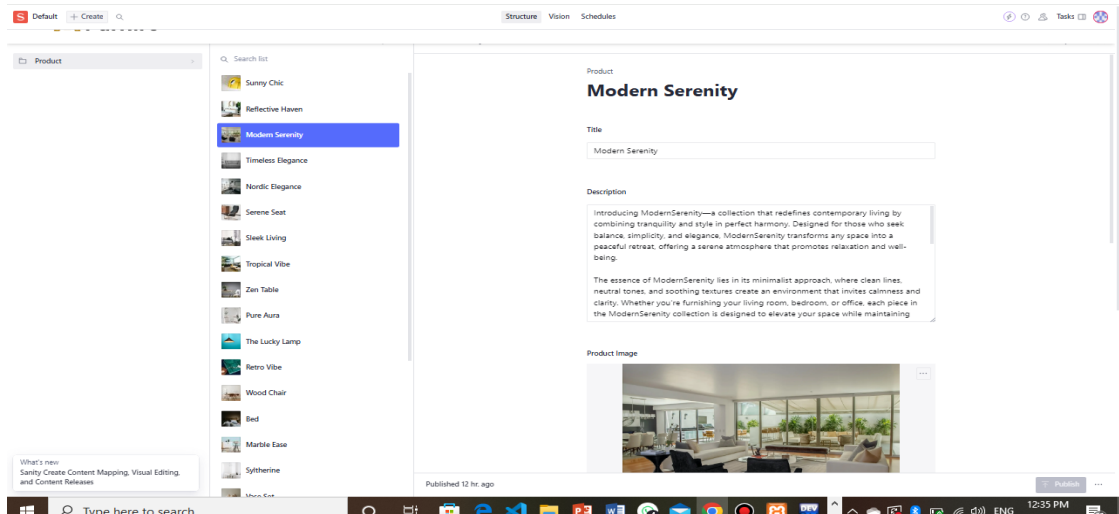


```
1 {
2   "name": "funiro-web",
3   "version": "0.1.0",
4   "private": true,
5   "type": "module",
6   "scripts": {
7     "dev": "next dev",
8     "build": "next build",
9     "start": "next start",
10    "lint": "next lint",
11    "import-data": "node script/importData.js"
12  },
13 }
```

10. Now import data in sanity by using command

- npm install @sanity/client axios dotenv
- npm run import-data
- node script/importData.js
- npm run dev

11.localhost3000/studio/structure



12. localhost3000/studio/vision

Fetch data by using query

