

Document Title:

"Day 3 - API Integration Report - { E-COMMERCE }"

***A report documenting:***

- \* API integration process...
- \* Adjustments made to schemas...
- \* Migration steps and tools used...

ScreenShorts of:

- \* API calls...
- \* Data successfully displayed in the frontend...
- \* Populated Sanity CMS fields...
- \* code snippets for API integration and migration scripts...

## Successfully install sanity...

```
D:\Q-Two-Class-Work\all-assignment\q2_final_hackathon\e-commerce>npm create sanity@latest
✓ You are logged in as muhammadf4060@gmail.com using Google
✓ Fetching existing projects

? Create a new project or select an existing one (Use arrow keys)
? Create a new project or select an existing one Create new project
? Your project name: day3_hackathon
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'
removed 1 package, and audited 1294 packages in 2m
```

### 1 moderate severity vulnerability

To address all issues, run:

```
npm audit fix --force
```

Run `npm audit` for details.

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

```
D:\Q-Two-Class-Work\all-assignment\q2_final_hackathon\e-commerce>
```

The screenshot shows the Sanity Studio dashboard for a project named 'day3\_hackathon'. The user 'Muhammad Faizan' is logged in. The dashboard includes a sidebar with navigation links: Getting started, Overview, Members, Studios, Datasets, Access, Activity, Usage, Plan, API, and Settings. The main content area displays the 'GROQ-powered webhooks' section, which includes a 'Create webhook' button and information about the current number of webhooks (0 of 2). The plan is 'Growth Trial' and the status is 'Active'. The project ID is 'xj5y6jbe'.

Muhammad Faizan

day3\_hackathon

30 days left in trial

Getting started
Overview
Members
Studios
Datasets
Access
Activity
Usage
Plan
API
Settings

Webhooks

CORS origins

Tokens

CORS origins

Hosts that can connect to the project API.

ORIGIN	CREDENTIALS	CREATED
http://localhost:3000	Allowed	18 minutes
http://localhost:3333	Allowed	19 minutes

+ Add CORS origin

**genrate token...**

Muhammad Faizan

day3\_hackathon

30 days left in trial

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Tokens

Tokens

Tokens are used to authenticate apps and scripts to access project data.

NAME	PERMISSIONS	CREATED
dayThree	Developer	11 minutes

+ Add API token

**Add Schema...**

```

src > sanity > schemaTypes > TS product.ts > default
1 export default {
2   name: 'product',
3   type: 'document',
4   title: 'Product',
5   fields: [
6     {
7       name: 'name',
8       type: 'string',
9       title: 'Name',
10      validation: (Rule: any) => Rule.required().error('Name is required'),
11    },
12     {
13       name: 'image',
14       type: 'image',
15       title: 'Image',
16       options: {
17         hotspot: true,
18       },
19       description: 'Upload an image of the product.',
20     },
21     {
22       name: 'price',
23       type: 'string',
24       title: 'Price',
25       validation: (Rule: any) => Rule.required().error('Price is required'),
26     },
27     {
28       name: 'description',
29       type: 'text',
30       title: 'Description',
31       validation: (Rule: any) =>
32         Rule.max(100).warning('Keep the description under 100 characters.'),
33     },
34     {
35       name: 'discountPercentage',
36       type: 'number',
37       title: 'Discount Percentage',
38       validation: (Rule: any) =>
39         Rule.min(0).max(100).warning('Discount must be between 0 and 100.'),
40     },
41     {
42       name: 'isFeaturedProduct',
43       type: 'boolean',
44       title: 'Is Featured Product',
45     },
46     {
47       name: 'stockLevel',
48       type: 'number',
49       title: 'Stock Level',
50       validation: (Rule: any) => Rule.min(0).error('Stock level must be a positive number.'),
51     },
52     {
53       name: 'category',
54       type: 'string',
55       title: 'Category',
56       options: {
57

```

*package.json little changin...*

```

package.json > {} scripts > import-data
1 {
2   "name": "e-commerce",
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/import-data.mjs"
12  },
13  "dependencies": {

```

*Successfully fetch API data in terminal with Sanity...*

```
script > JS import-data.mjs > token
6
7 const __filename = fileURLToPath(import.meta.url);
8 const __dirname = path.dirname(__filename);
9 dotenv.config({ path: path.resolve(__dirname, '../../.env') });
10
11 const client = createClient({
12   projectId: "xj5y6jbe",
13   dataset: "production",
14   token: "skHI1ku9qmJ2OLbu13Cox1ZL3QCjDdAZ3nuMZtDHYA6FcQ89CPUvn0WjkiVak8VXIokJp4SQSV765AvGc4aC9XheMSRfzRmXtchVTYh5dUYod",
15   apiVersion: "2025-01-15",
16   useCdn: false,
17 });
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+ Create

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StructureVisionSchedules

🔗 ⓘ 👤 Tasks

DATASET

production

API VERSION

Other

CUSTOM API VERSION

v2025-01-18

PERSPECTIVE ⓘ

raw

QUERY URL (COPY TO CLIPBOARD)

https://xj5y6jbe.apisanity.io/v2025-01-18/data/query/prc

QUERY

1

\*[\_type == "product"]

PARAMS

1 {

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3 }

discountPercentage: 0

\_createdAt: 2025-01-18T18:28:12Z

\_id: pNdFo0jzUh1upuRBLg7EVW

image: {...} 2 properties

asset: {...} 2 properties

\_ref: image-d6aed5e3bb1c45542716cb31036c740f1113625e-1398x1194-png

\_type: reference

\_type: image

\_rev: pNdFo0jzUh1upuRBLg7EQF

\_type: product

isFeaturedProduct: false

category: Chair

\_updatedAt: 2025-01-18T18:28:12Z

description: An elegant armchair with plush cushions and a curved design for comfort.

price: 850

name: Armchair Tortuga

Fetch

Listen

Execution: 5ms

End-to-end: 929ms

Save result as

JSON

CSV