

Day 3 - API Integration Report –Elite Bazaar

In the documentation, I have referred to the project as **Elite-Bazaar**, representing Template 5 of the E-commerce Store.

Submitted By: Liaqat Khan

GIAIC Student

Expected Deliverables:

1. Setting up Sanity:

- *Initialized Sanity with `npm create sanity@latest`.*
- *Added necessary CORS origin (`http://localhost:3000`) and generated an API token.*

2. Environment Variable Configuration:

- *Added API token to the `.env` file.*

3. Schema Creation:

- *Created `product.ts` schema in `schemaTypes` with appropriate fields: name, description, price, and image.*

4. Data Import Script:

- *Created a `scripts/importData.js` file with a script to fetch and import data using Sanity Client and Axios.*
- *Configured `dotenv` for API tokens and credentials.*

5. Dependencies Installation:

- *Installed required dependencies: `@sanity/client`, `axios`, and `dotenv`.*

6. Package Script Updates:

- *Added `"import-data": "node scripts/importData.js"` to `package.json`.*
- *Added `"type": "module"` to `package.json` if needed.*

7. Data Import Execution:

- Ran the script with `npm run import-data` to import data into Sanity.

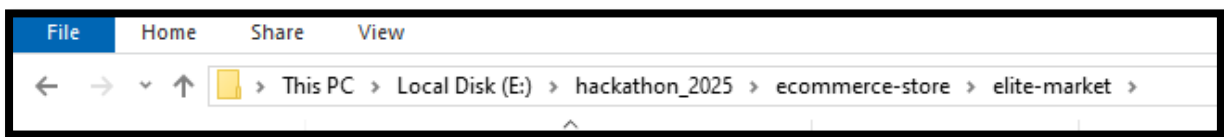
8. Testing UI:

- Verified cart functionality, such as adding items to the cart, viewing the cart summary, and checking product data display in the UI.

Configuring and Integrating Sanity with Elite-Bazaar

Step 1: Open the Project Director

- Navigate to **This PC** and locate your project folder: `ecommerce-store` (consider as **Elite-Bazaar**).



Step 2: Initialize Sanity in the Project

- Open the project directory in the terminal or Command Prompt.
- Run the following command to create a new Sanity configuration:

```
npm create sanity@latest
```

```
E:\uiux-hackathon\ecommerce-store>npm create sanity@latest
Need to install the following packages:
create-sanity@3.70.0
Ok to proceed? (y) y
```

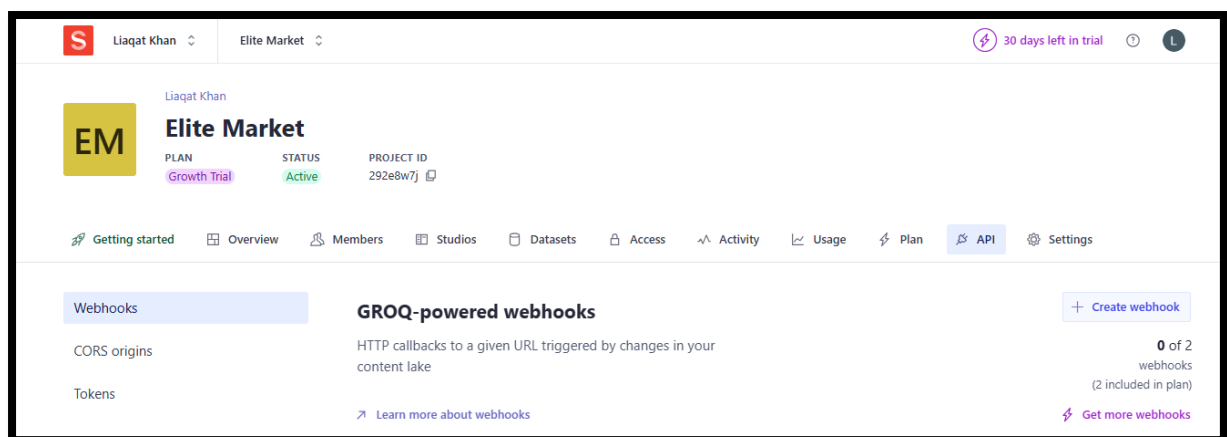
- After successful execution, you will see:
"Success! Your Sanity configuration files have been added to this project."

```
Run `npm audit` for details.

Success! Your Sanity configuration files has been added to this project
npm notice
npm notice New major version of npm available! 10.9.0 -> 11.0.0
npm notice Changelog: https://github.com/npm/cli/releases/tag/v11.0.0
npm notice To update run: npm install -g npm@11.0.0
npm notice
```

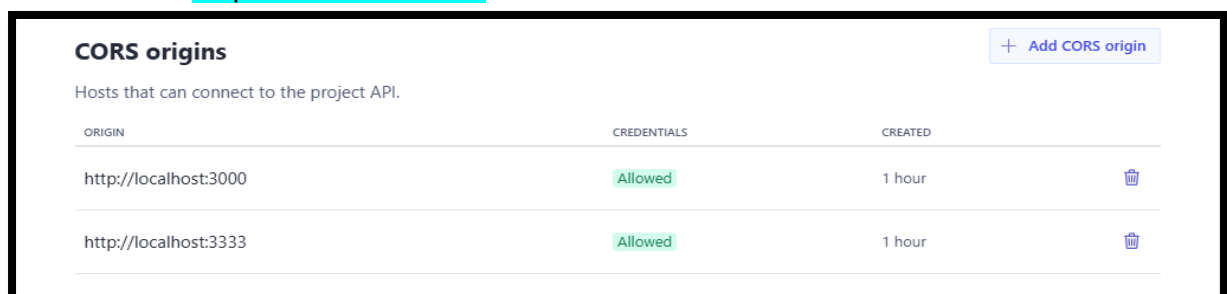
Step 3: Configure API Settings

- Open your Sanity dashboard.
- Go to the **API** section in your Sanity dashboard.



1. Add CORS Origin:

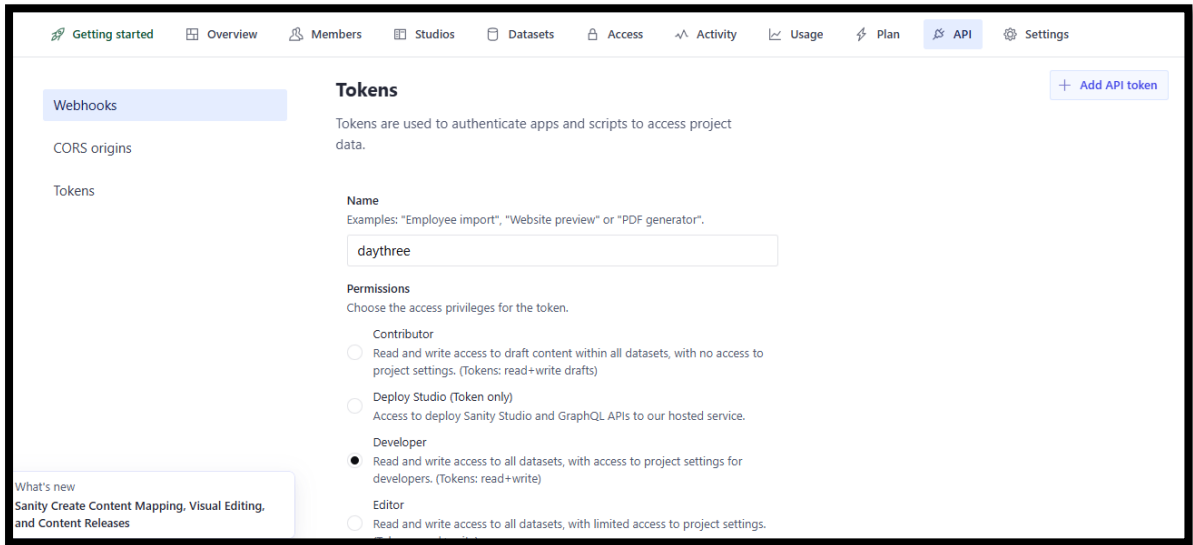
- If `http://localhost:3000` is not already added, include it.
 - Navigate to the **CORS settings**, click **Add Origin**, and enter:
 - `http://localhost:3000`



2. Generate API Token:

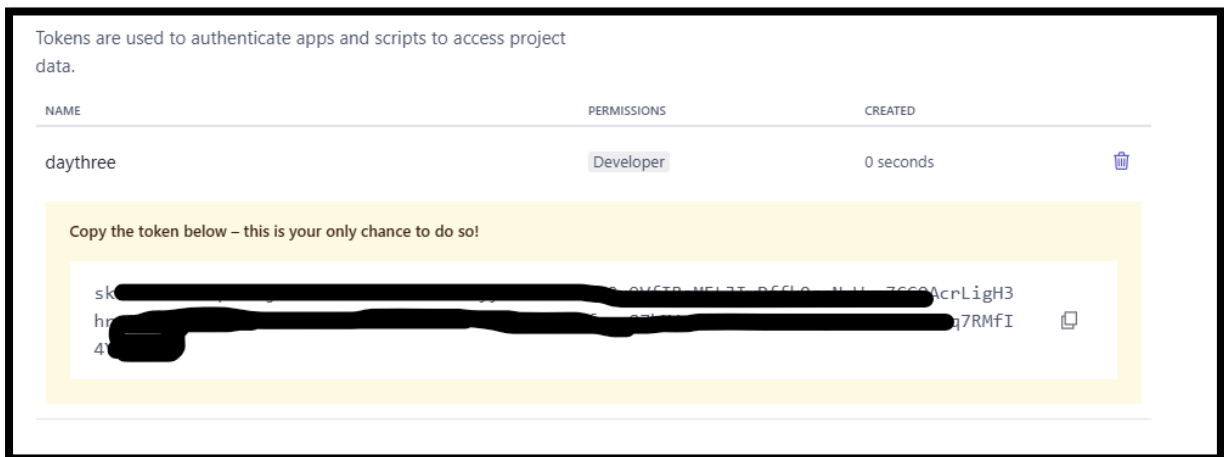
- Click **Add API Token** and configure the following:
 - **Name:** Enter a descriptive name (e.g., "daythree", "Development Token", etc).

- **Permissions:** Set to **Developer**.
- Click **Save** to generate the token.



Step 4: Secure the API Token

1. Copy the generated token.

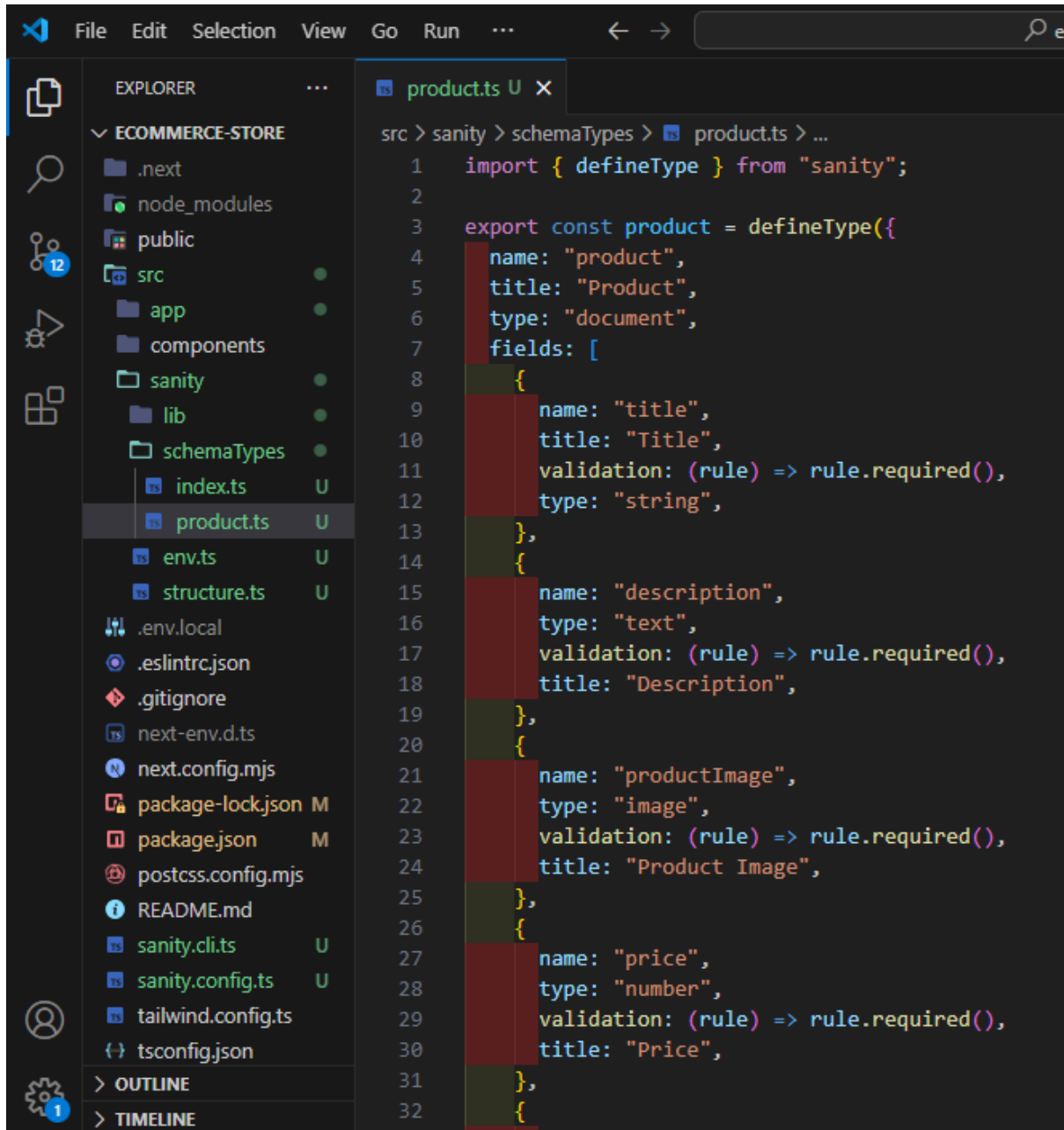


2. Open the `.env` file in your project and add the token:
`SANITY_API_TOKEN=your-api-token`

Step 5: Create the `product.ts` Schema

1. In the project directory, navigate to:
E:\uiux-hackathon\ecommerce-store\src\sanity\schemaTypes

2. Create a new file named `product.ts`.
3. Add Code



The screenshot shows the Visual Studio Code interface. On the left, the Explorer sidebar displays the project structure for 'ECOMMERCE-STORE'. The 'schemaTypes' folder is expanded, and 'product.ts' is highlighted. The main editor area shows the code for 'product.ts' with the following content:

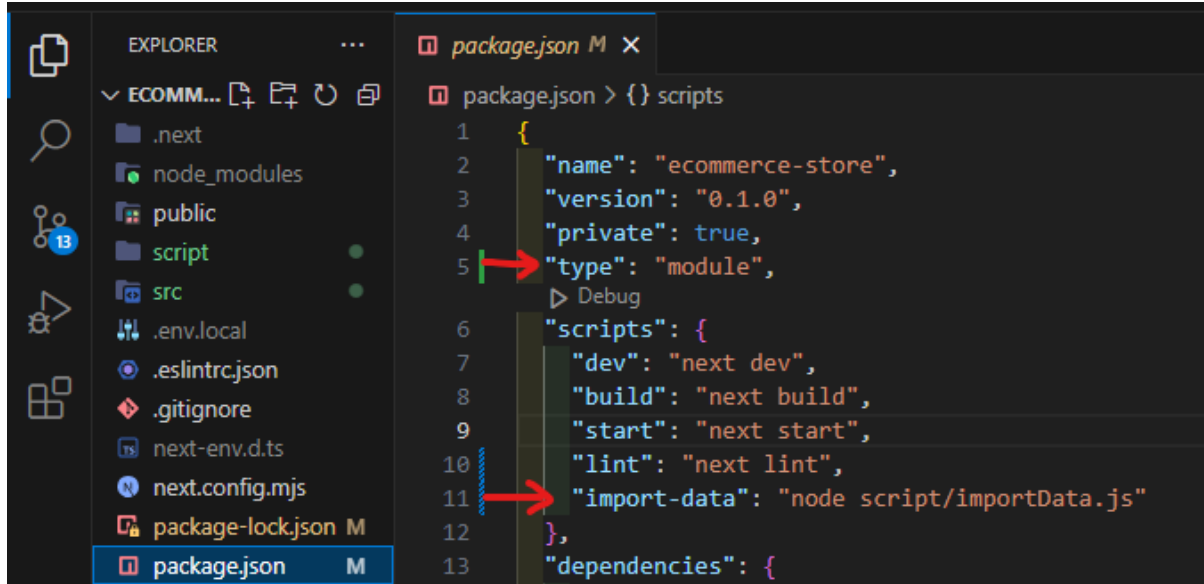
```
src > sanity > schemaTypes > product.ts > ...
1  import { defineType } from "sanity";
2
3  export const product = defineType({
4    name: "product",
5    title: "Product",
6    type: "document",
7    fields: [
8      {
9        name: "title",
10       title: "Title",
11       validation: (rule) => 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 });
```

Step 6: Create and Configure Data Import Script

- In the project directory, create a folder named `script`
- Inside the `script` folder, create a new file: `importData.js`.
- Add the script Code.

Step 8: Modify `package.json`

- **Line 5:** Add `"type": "module"`, if not already present.
- **Line 11:** Add the import script:
`"import-data": "node scripts/importData.js"`



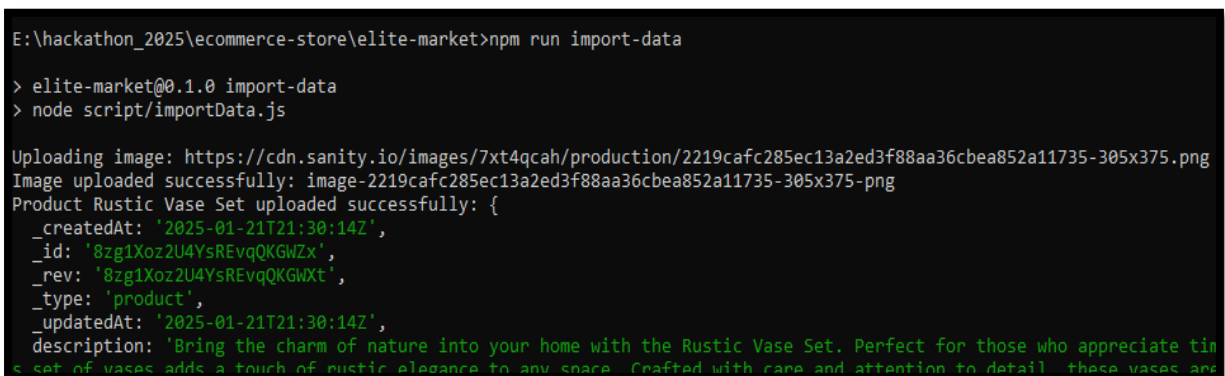
The screenshot shows the VS Code interface with the `package.json` file open. The Explorer sidebar on the left shows the project structure. The main editor displays the `package.json` file with the following content:

```
1 {
2   "name": "ecommerce-store",
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  "dependencies": {
```

Red arrows point to line 5, where `"type": "module"` is added, and line 11, where `"import-data": "node script/importData.js"` is added.

Step 9: Import Data into Sanity

- Run the following command in the terminal to import data:
`npm run import-data`



The screenshot shows a terminal window with the following output:

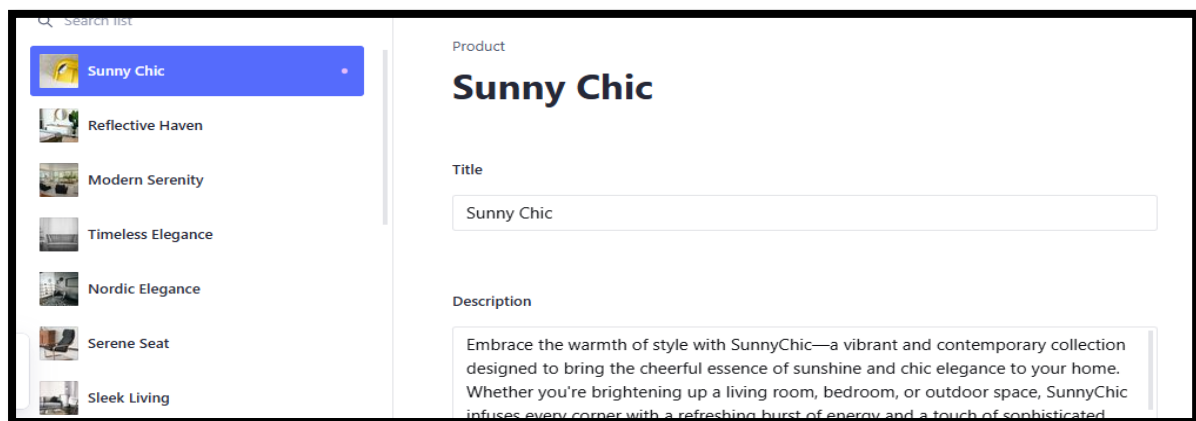
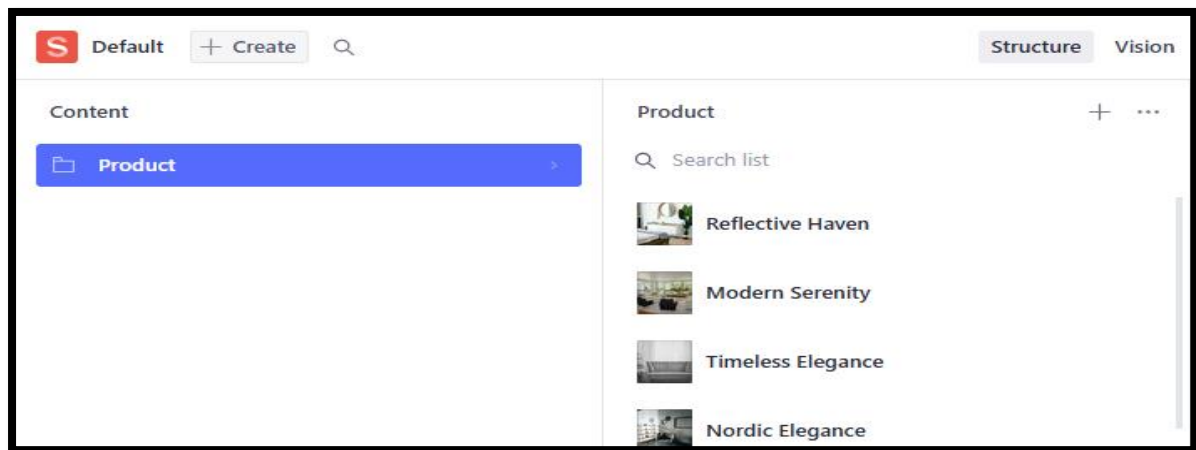
```
E:\hackathon_2025\ecommerce-store\elite-market>npm run import-data
> elite-market@0.1.0 import-data
> node script/importData.js

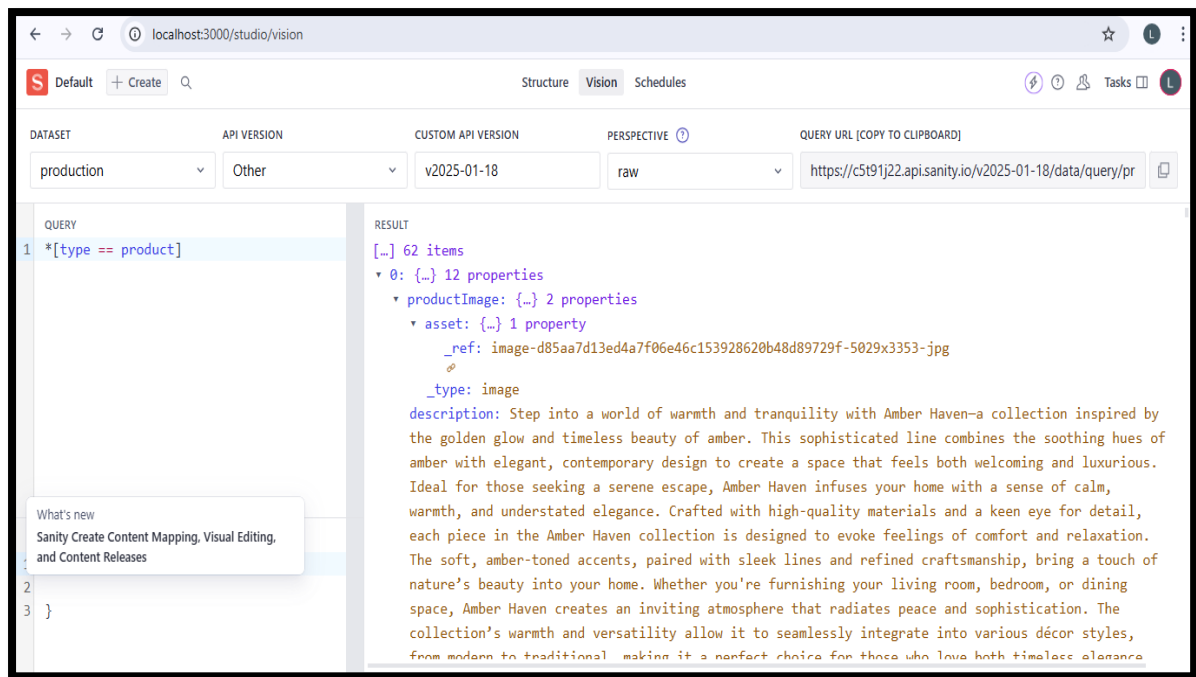
Uploading image: https://cdn.sanity.io/images/7xt4qcah/production/2219cafc285ec13a2ed3f88aa36cbea852a11735-305x375.png
Image uploaded successfully: image-2219cafc285ec13a2ed3f88aa36cbea852a11735-305x375-png
Product Rustic Vase Set uploaded successfully: {
  _createdAt: '2025-01-21T21:30:14Z',
  _id: '8zg1Xoz2U4YsREvqQKGWZx',
  _rev: '8zg1Xoz2U4YsREvqQKGWxt',
  _type: 'product',
  _updatedAt: '2025-01-21T21:30:14Z',
  description: 'Bring the charm of nature into your home with the Rustic Vase Set. Perfect for those who appreciate tin
e set of vases adds a touch of rustic elegance to any space. Crafted with care and attention to detail, these vases are
```

- Upon successful execution, you will see:
"Data successfully imported."

```
    'Fill your home with the light and energy of SunnyChic—where sunshine me
t escape.',
    dicountPercentage: 50,
    isNew: false,
    price: 400,
    productImage: {
      _type: 'image',
      asset: {
        _ref: 'image-ed5874fb4498ee4ff897075bad504056cb87388c-4000x3907-jpg'
      }
    },
    tags: [ 'sunny ', 'chic ', 'modern ', 'elegant ', 'furniture' ],
    title: 'Sunny Chic'
  }
}

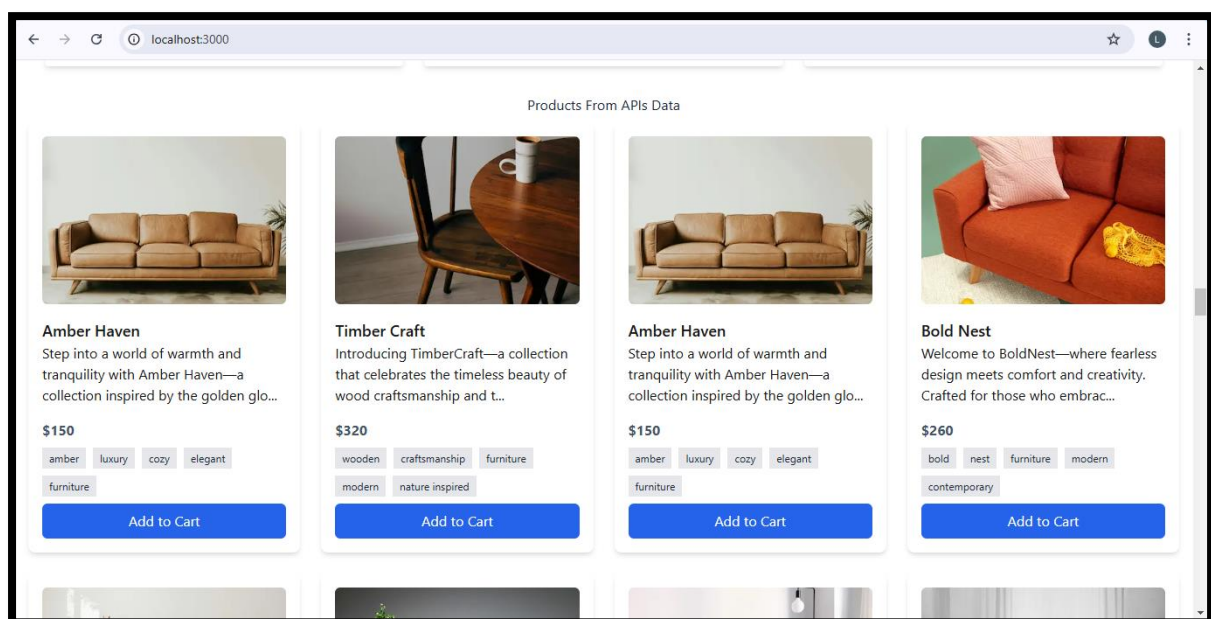
E:\hackathon_2025\ecommerce-store\elite-market>
```



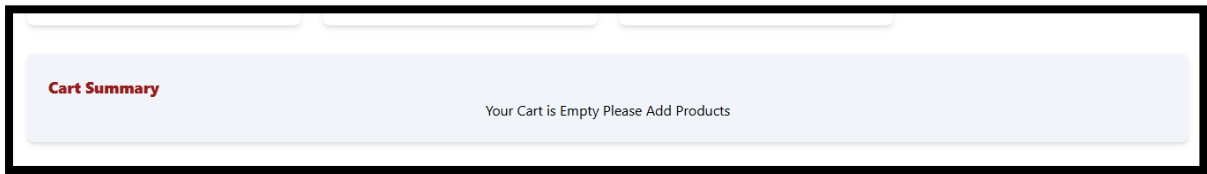


Step 10: Verify and Test

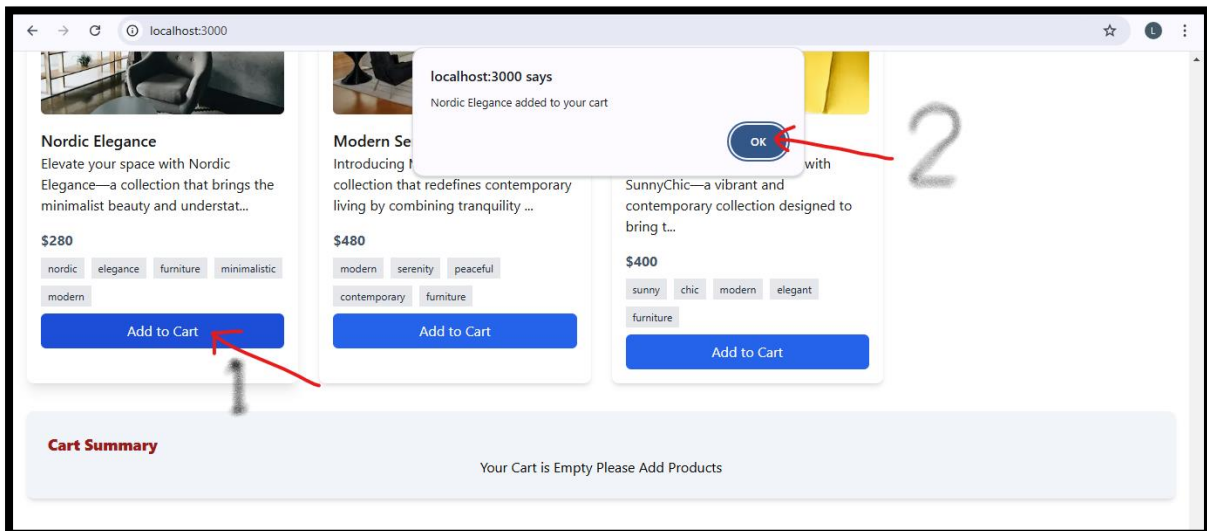
- Ensure the data is displayed in the Sanity Studio UI.
- Test the **Cart** functionality:
 - Add items one by one to the cart.
 - View the **Cart Summary**.



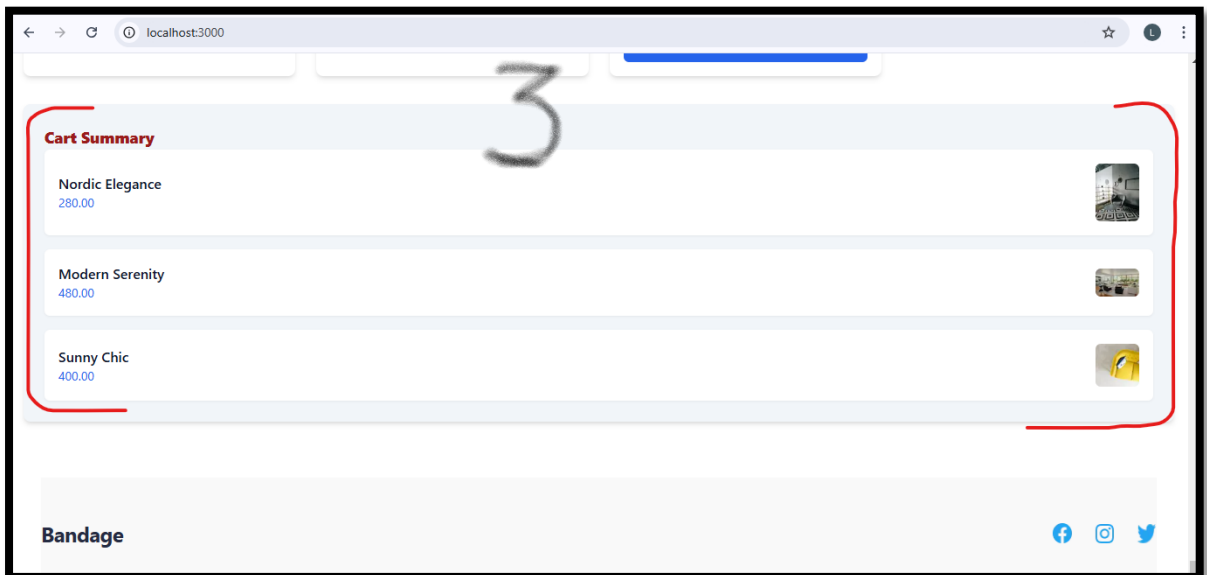
➤ Cart is Empty



➤ Add items one by one to the cart



➤ View the **Cart Summary**.



Conclusion

The objectives for **Day 3** have been successfully achieved, with the seamless integration of the Sanity backend into the **Elite-Bazaar** project. All required configurations, including API setup, CORS configuration, token generation, schema creation, and data import, were implemented with precision. The project now features efficient data fetching and dynamic UI updates, meeting all specified requirements and ensuring a robust foundation for further development.

Acknowledgment

"A heartfelt thanks to my mentors, Sir Zia Khan, Sir Daniyal Nagori, Sir Ameen Alam, Sir Anas, Sir Ubaid Ur Rehman, and all our dedicated teachers and staff, for their guidance and support throughout this Hackathon journey. Your expertise and encouragement have been invaluable."
