### Made By: Mahnoor (00070019) Sunday 9 to 12

## **DAY 3 API Integration & Migration**

### Day 3 - API Integration Report – FOOD TUCK

#### **APIINTEGRATION PROCESS**

- 1. Environment Setup:
- a. Install Sanity: npm create sanity@latest -- --template clean --create-project "learning-sanity-project" --dataset production
- b. Setting Up Environment Variables

Set up our environment variables. Create a `.env.local`file in your project root. Add the

following variables:

NEXT\_PUBLIC\_SANITY\_PROJECT\_ID=your\_project\_id

NEXT\_PUBLIC\_SANITY\_DATASET=production

SANITY API TOKEN=your sanity token

c. Data Fetching:

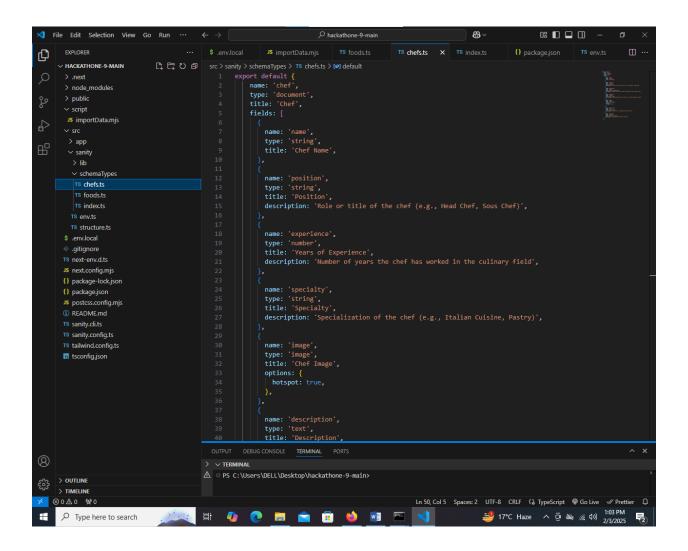
Used Axios to retrieve product data from an external API (foods and chefs).

Accessed the following Endpoints:

https://sanity-nextjs-rouge.vercel.app/api/foods

https://sanity-nextjs-rouge.vercel.app/api/chefs

## 2. Adjustments made to schemas



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                                              ... $ .env.local JS importData.mjs TS foods.ts X TS chefs.ts
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       > .next
                                                                  name: 'food',
type: 'document',
title: 'Food',
        > node modules
       > public

✓ script

                                                                       name: 'name',
type: 'string',
title: 'Food Name',

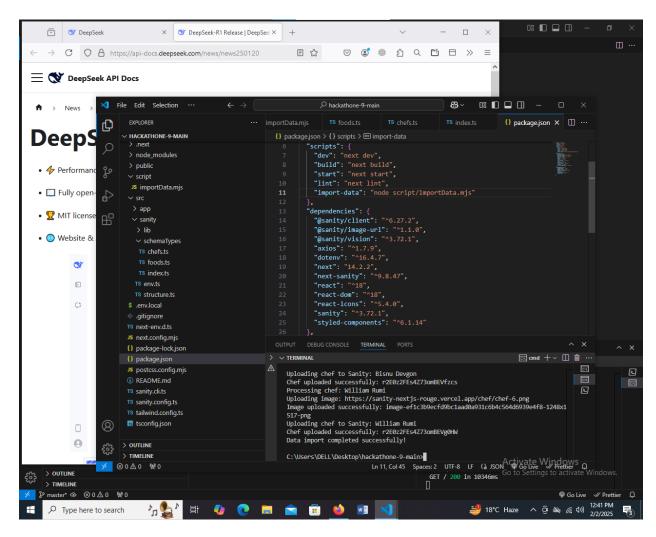
✓ schemaTypes

                                                                       name: 'category',
type: 'string',
title: 'Category',
description:
          TS structure.ts
                                                                       name: 'price',
type: 'number',
title: 'Current Price',
        .gitignore
       TS next-env.d.ts
        JS next.config.mjs
       {} package-lock.json
                                                                       name: 'originalPrice',
type: 'number',
title: 'Original Price',
description: 'Price before discount (if any)',
       {} package.json
        JS postcss.config.mis
       (i) README.md
       TS sanity.cli.ts
       TS sanity.config.ts
                                                                       name: 'tags',
type: 'array',
title: 'Tags',
of: [{ type: 'string' }],
options: {
    layout: 'tags',
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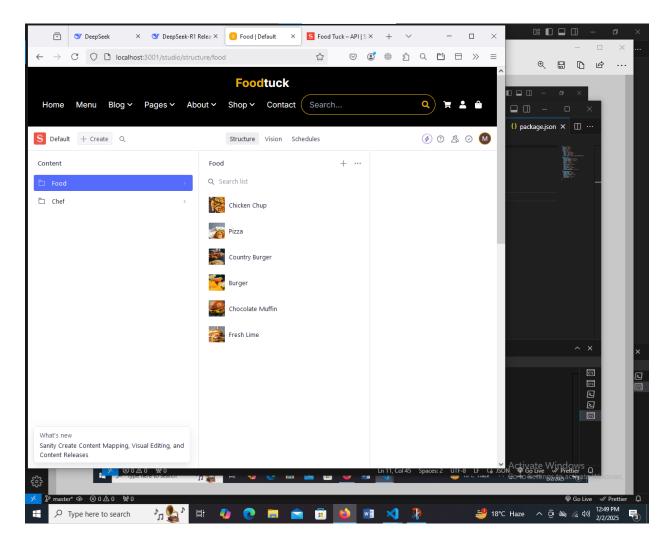
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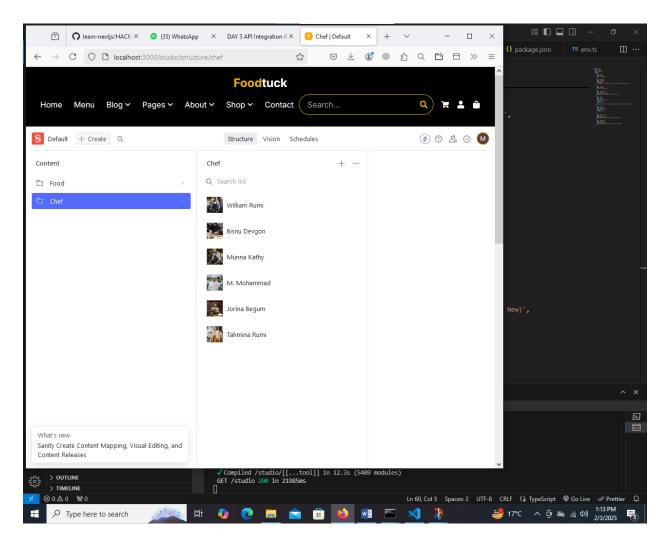
3. Import data to sanity:



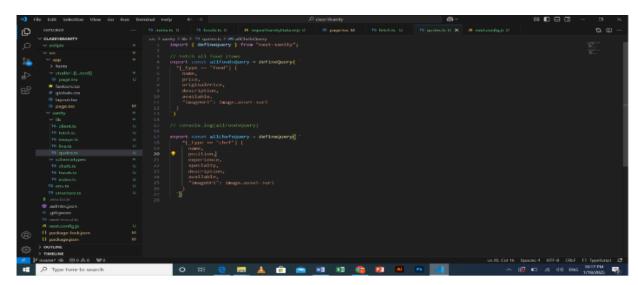
**Output: Finally show data. (Food)** 

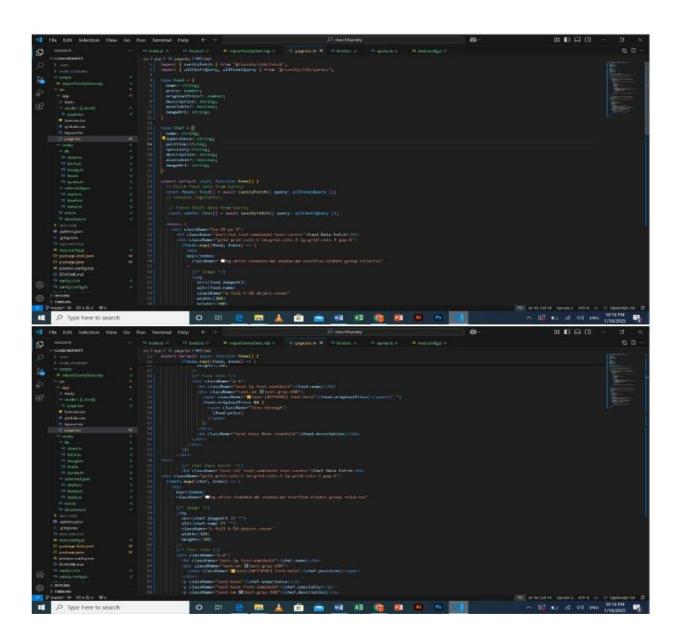


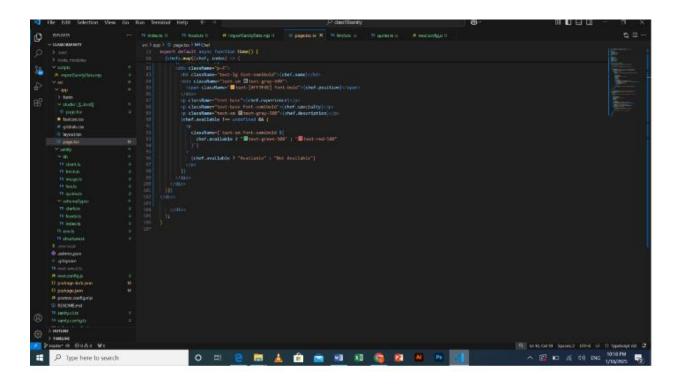
Chef Data.



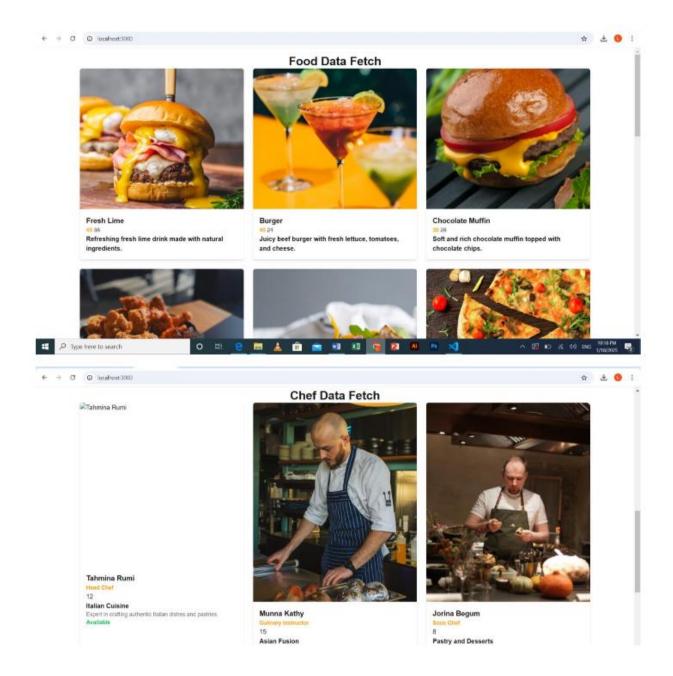
# Data successfully displayed







Made by: Muhammad Bilal Qureshi id:00075879 Sunday 2 to 5



#### **Goal of This Task:**

- Establish a connection with Sanity CMS for efficient and streamlined product data management.
- Utilize GROQ queries to dynamically retrieve well-structured data from Sanity.
- Adapt and refine the Sanity schema to align with evolving API requirements.
- Migrate product data from an external API to Sanity CMS, ensuring images are uploaded successfully.

• Test and validate the integration to ensure seamless data flow between the backend and frontend.

Made by: Muhammad Bilal Qureshi id:00075879 Sunday 2 to 5