HACKATHON (DAY 3)

API Integration Report

IMPORT DATA FROM API TO SANITY.

Fetch data from external API.

. Data is fetched from an external API using a library like fetch or axios, which is provided. The response typically includes structured information such as names, prices, descriptions, categories and image URLs.

Import data into sanity.

importSanityData.mjs is used to fetch data from an external API and import it into the Sanity content management system. This script utilizes the Sanity client to programmatically create and populate documents in the Sanity database.

```
nc function importData() {
ry {
  console.log('Fetching food, chef data from API...');

  // API endpoint containing  data
  const $Promise = [];
  $Promise.push(
    axios.get('https://sanity-nextjs-rouge.vercel.app/api/foods')
  );
  $Promise.push(
    axios.get('https://sanity-nextjs-rouge.vercel.app/api/chefs')
  );

  const [foodsResponse, chefsResponse] = await Promise.all($Promise);
  const foods = foodsResponse.data;
  const chefs = chefsResponse.data;

  for (const food of foods) {
    console.log(`Processing food: ${food.name}`);

    let imageRef = null;
    if (food.image) {
      imageRef = await uploadImageToSanity(food.image);
    }

    const sanityFood = {
      _type: 'food',
      name: food.name,
      category: food.category || null,
```

API INTEGRATION

An API defines a set of rules and protocols that enable applications to communicate.

- To make request to API. We use fetch/axios .
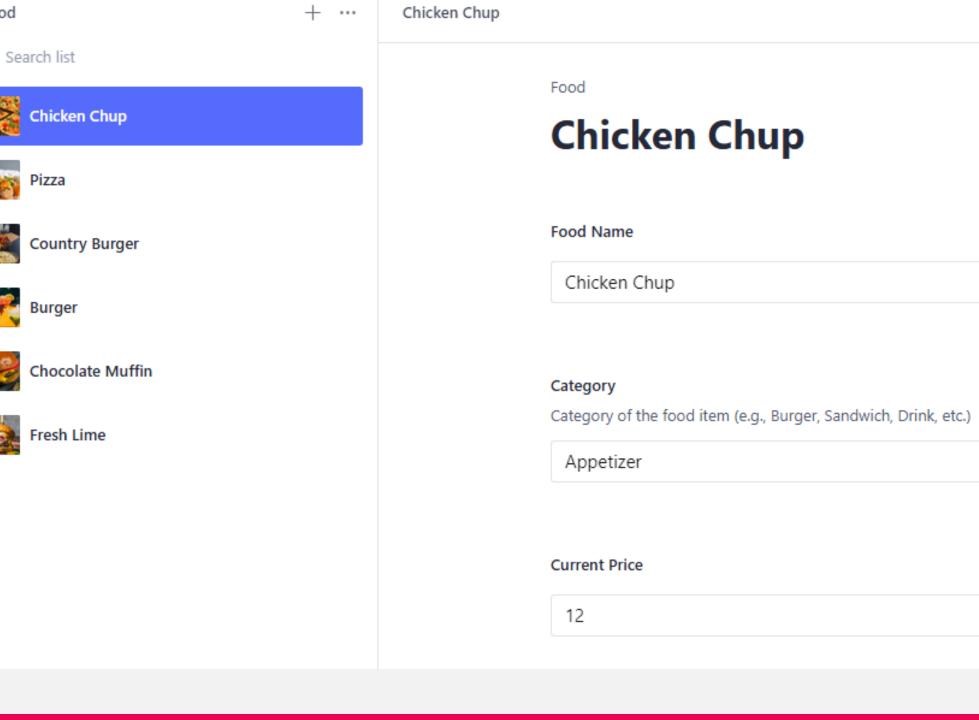
- Importing/exporting data to/from CMS like Sanity.

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IMPLEMENTATION

Sanity's CMS capabilities to fetch data from an external API & store it in Sanity's database, and make it available for querying and ready to use.

Sign up in sanity then create Token which is necessary for API integration

After create Token used to built GROQ query for fetching Data. Ensure the API data matches the expected schema in Sanity

…………………………………………………………………………

```javascript
let imageRef = null;
if (food.image) {
  imageRef = await uploadImageToSanity(food.image);
}


const sanityFood = {
  _type: 'food',
  name: food.name,
  category: food.category || null,
  price: food.price,
  originalPrice: food.originalPrice || null,
  tags: food.tags || [],
  description: food.description || '',
  available: food.available !== undefined ? food.available :
  image: imageRef
    ? {
        _type: 'image',
        asset: {
          _type: 'reference',
          _ref: imageRef,
        },
      }
    : undefined,
};
```

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Food

Chicken Chup

Food Name

Chicken Chup

Category

Category of the food item (e.g., Burger, Sandwich, Drink, etc.)

Appetizer

Current Price

12

Sanity CMS

Data Import In sanity CMS.

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Chocolate Muffin

Dessert

$28 ~~$30~~

Sell   Sweet

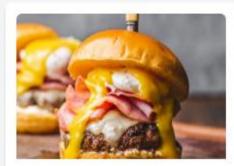Soft and rich chocolate muffin topped with chocolate chips.

Pizza   .

Main Course

$43 ~~$50~~

Cheesy   Vegetarian

Delicious vegetarian pizza topped with fresh vegetables and cheese.

Fresh Lime

Drink

$38 ~~$45~~

Healthy   Popular

Refreshing fresh lime drink made with natural ingredients.

Burger

Sandwich

$21 ~~$45~~

Popular

Juicy beef burger with fresh lettuce, tomatoes, and cheese.

Country Burger

Sandwich

$45 ~~$50~~

Recommended

Classic country-style burger served with fries.

Chicken Chup

Appetizer

$12 ~~$15~~

Sell   Crispy

Crispy fried chicken bites served with dipping sauce.

Browser

Final result in browser .

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THANKYOU

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