API Integration Steps

Step 1:

Create a new Next.js project.

npx create-next-app. in terminal.

Install Sanity Studio

To get started, run this in your command line:

npm create sanity@latest -- --template clean --create-project "learning-sanity-project" --dataset production

Step 2:

Open sanity dashboard:

- **NEXT_PUBLIC_SANITY_PROJECT_ID**: Found in your Sanity project.
- **SANITY_API_TOKEN**: Generate a token by navigating to **Settings > API > Add API Token** in your Sanity dashboard. Give the token appropriate read/write permissions - Select Developer.
- **NEXT_PUBLIC_SANITY_DATASET**: Set this to production.

Step 3:

Configure Environment Variables:

1.Create a. env. local file in the root of the project directory:

2.Open. env. local and add the following environment variables:

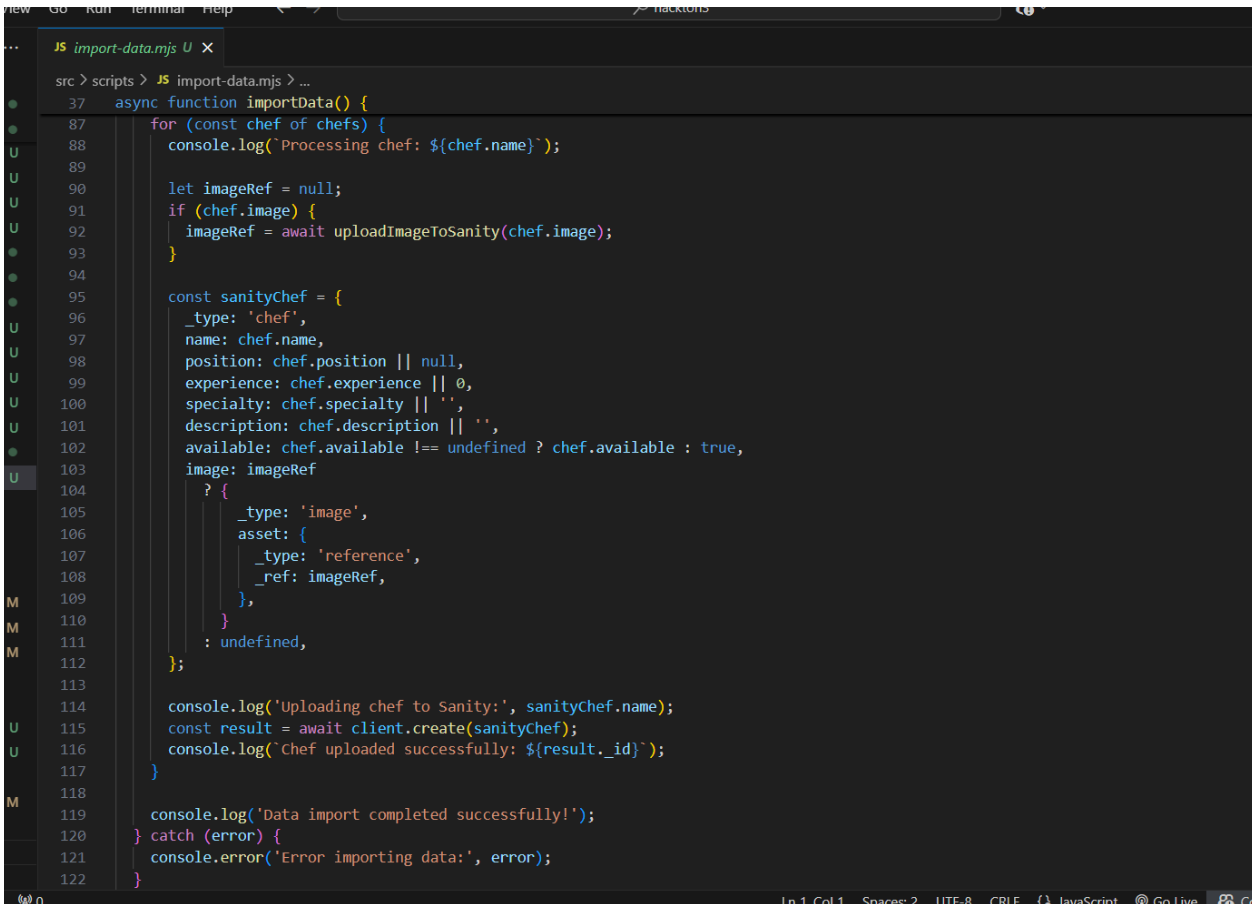
- **NEXT_PUBLIC_SANITY_PROJECT_ID="{your-sanity-project-id}".**
- **NEXT_PUBLIC_SANITY_DATASET="production".**
- **SANITY_API_TOKEN="{your-sanity-api-token}".**

Step 4:

- Make schema in your/sanity/ schemaTypes/food.ts.
- Import food.ts file in index.ts.

Step 5:

Make scripts folder in root and in scripts folder form importdata.mjs file. (this file has script code that migrate the API data in your sanity studio).



```javascript
async function importData() {
    for (const chef of chefs) {
      console.log(`Processing chef: ${chef.name}`);

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

      const sanityChef = {
        _type: 'chef',
        name: chef.name,
        position: chef.position || null,
        experience: chef.experience || 0,
        specialty: chef.specialty || '',
        description: chef.description || '',
        available: chef.available !== undefined ? chef.available : true,
        image: imageRef
          ? {
              _type: 'image',
              asset: {
                _type: 'reference',
                _ref: imageRef,
              },
            }
          : undefined,
      };

      console.log('Uploading chef to Sanity:', sanityChef.name);
      const result = await client.create(sanityChef);
      console.log(`Chef uploaded successfully: ${result._id}`);
    }

    console.log('Data import completed successfully!');
  } catch (error) {
    console.error('Error importing data:', error);
  }
```

Step 6:

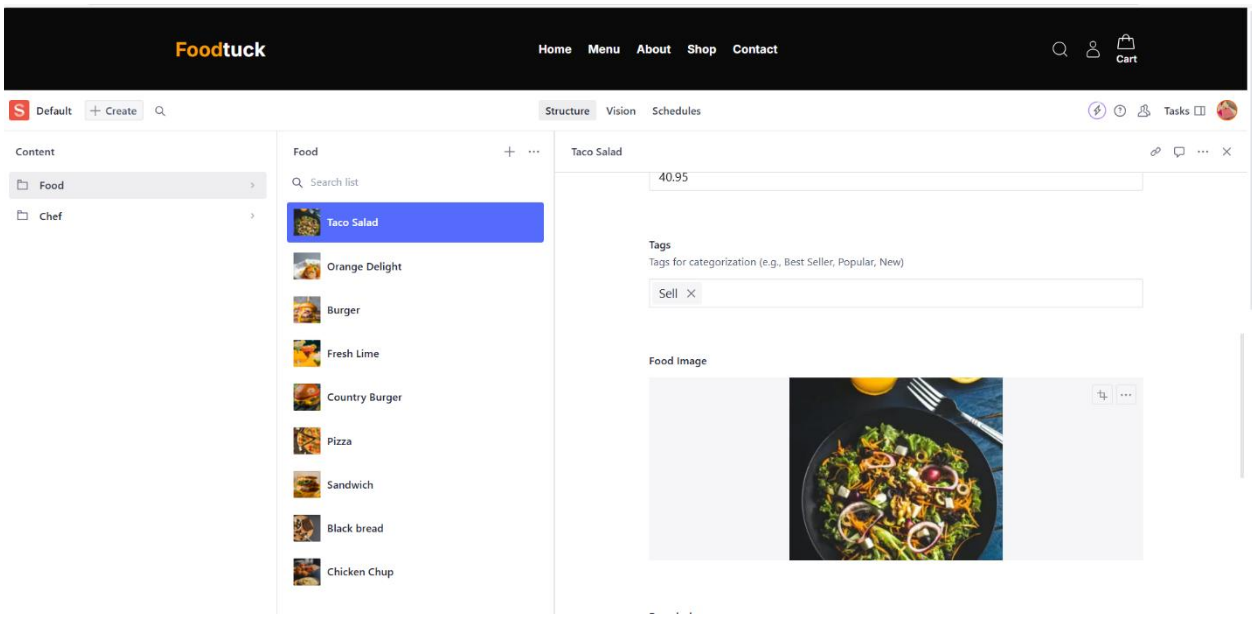
Import Data run the following command:

npm run import-data

Step 7:

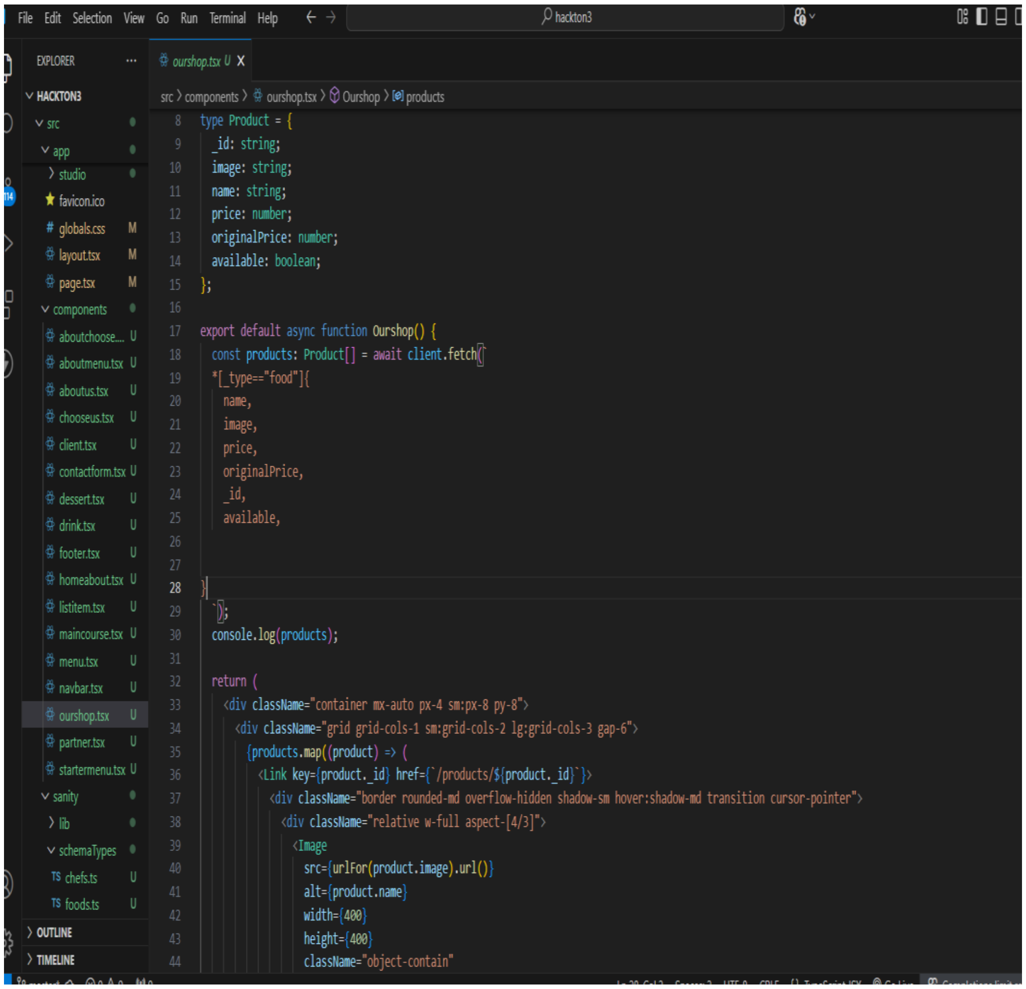
Verify the Data in Sanity Studio

1. Go to your Sanity Studio project.
2. You should see two models:
   - **Food**
   - **Chef**
3. Each model will have some sample documents automatically populated after the import.



Step 8:

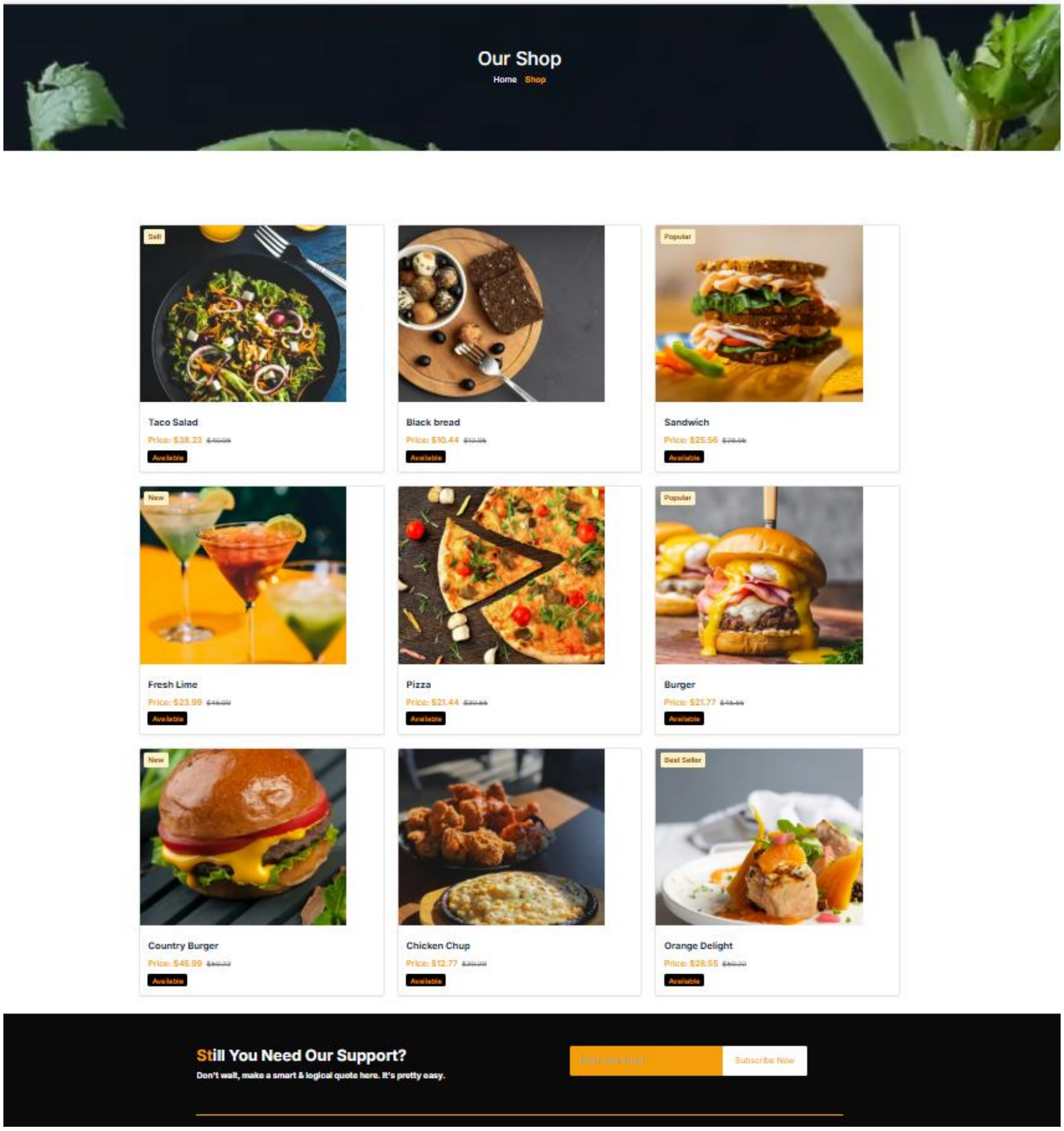
Integrate the date from sanity studio into your next js project Through groq Query.



```
type Product = {
  _id: string;
  image: string;
  name: string;
  price: number;
  originalPrice: number;
  available: boolean;
};

export default async function Ourshop() {
  const products: Product[] = await client.fetch(`
  *[_type=="food"]{
    name,
    image,
    price,
    originalPrice,
    _id,
    available,


}
  `);
  console.log(products);

  return (
    <div className="container mx-auto px-4 sm:px-8 py-8">
      <div className="grid grid-cols-1 sm:grid-cols-2 lg:grid-cols-3 gap-6">
        {products.map((product) => (
          <Link key={product._id} href={`/products/${product._id}`}>
            <div className="border rounded-md overflow-hidden shadow-sm hover:shadow-md transition cursor-pointer">
              <div className="relative w-full aspect-[4/3]">
                <Image
                  src={urlFor(product.image).url()}
                  alt={product.name}
                  width={400}
                  height={400}
                  className="object-contain"
```

Step 9:

Display the data on frontend



Our Shop

Home Shop

Sell

Taco Salad

Price: $38.23 ~~$40.06~~

Available

Black bread

Price: $10.44 ~~$12.06~~

Available

Popular

Sandwich

Price: $25.56 ~~$28.06~~

Available

New

Fresh Lime

Price: $23.99 ~~$46.00~~

Available

Pizza

Price: $21.44 ~~$30.66~~

Available

Popular

Burger

Price: $21.77 ~~$46.66~~

Available

New

Country Burger

Price: $45.99 ~~$60.33~~

Available

Chicken Chup

Price: $12.77 ~~$30.30~~

Available

Best Seller

Orange Delight

Price: $28.55 ~~$60.30~~

Available

Still You Need Our Support?

Don't wait, make a smart & logical quote here. It's pretty easy.