SobiaRao

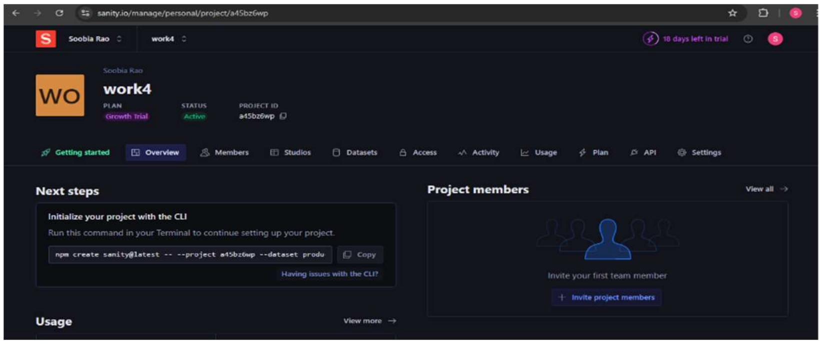
Day 3 Hackathon...!

Sanity Integration Process.

"Next.js and Sanity for Dummies: From Setup to Integration

Step:1

Initializing Sanity



Soobia Rao

work4

PLAN Growth Trial

STATUS Active

PROJECT ID a45bz6wp

Next steps

Initialize your project with the CLI

Run this command in your Terminal to continue setting up your project.

```
npm create sanity@latest -- --project a45bz6wp --dataset produ
```

Project members

Invite your first team member

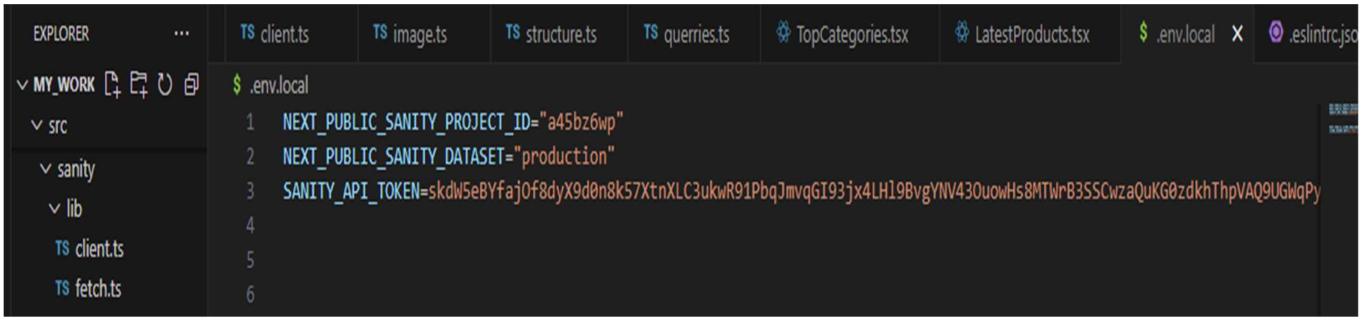
Usage

If this is your first time setting up a Sanity project, you'll likely be asked to login in, so enter your credentials.

Just as with setting up Next.js,

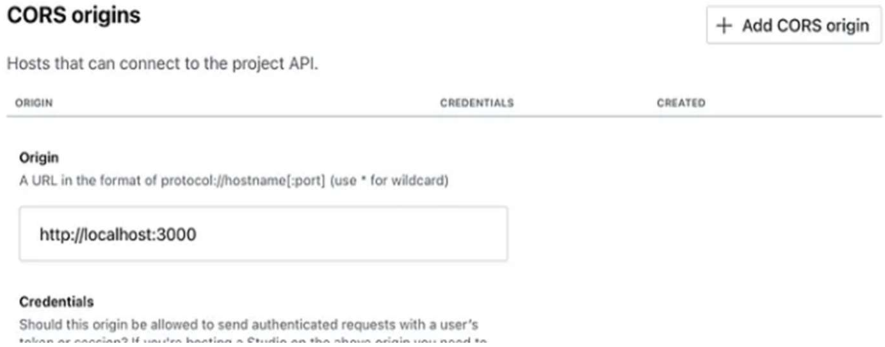
```
> Would you like to add configuration files for a Sanity project in this Next.js
Yes

> Do you want to use TypeScript?
Yes

> Would you like an embedded Sanity Studio?
Yes

> Would you like to use the Next.js app directory for routes?
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 file?
Yes
```

Configuring Your Environment



```
NEXT_PUBLIC_SANITY_PROJECT_ID="a45bz6wp"
NEXT_PUBLIC_SANITY_DATASET="production"
SANITY_API_TOKEN=skdW5eBYfajOf8dyX9d0n8k57XtnXLC3ukwR91PbqJmvqGI93jx4LHl9BvgYNV43OuowHs8MTWrB3SSCwzaQuKG0zdkhThpVAQ9UGWqPy
```

Now you should be able to navigate to http://localhost:3000/studio. You'll likely be prompted with a CORS origin access:



CORS origins

Hosts that can connect to the project API.

ORIGIN	CREDENTIALS	CREATED

Origin

A URL in the format of protocol://hostname[:port] (use * for wildcard)

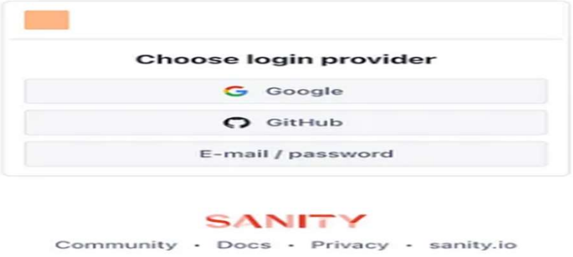
http://localhost:3000

Credentials

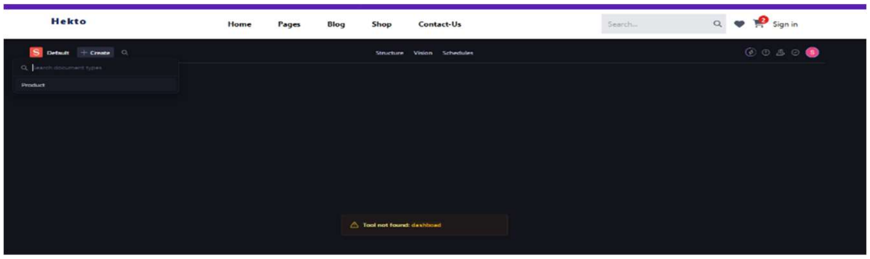
Should this origin be allowed to send authenticated requests with a user's token or session? If you're hosting a Studio on the above origin you need to

Now setup allows our Next.js application to interact securely with the Sanity backend. 👋

Navigate back to http://localhost:3000/studio, you should now be asked to log in. I'd choose to login with your GitHub account.



you’ve now entered your very own Sanity Studio! 👋

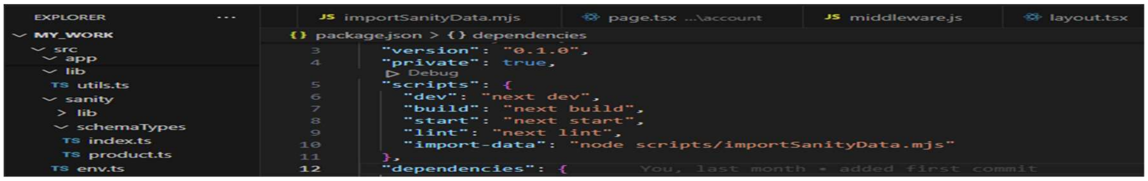


Congratulations!

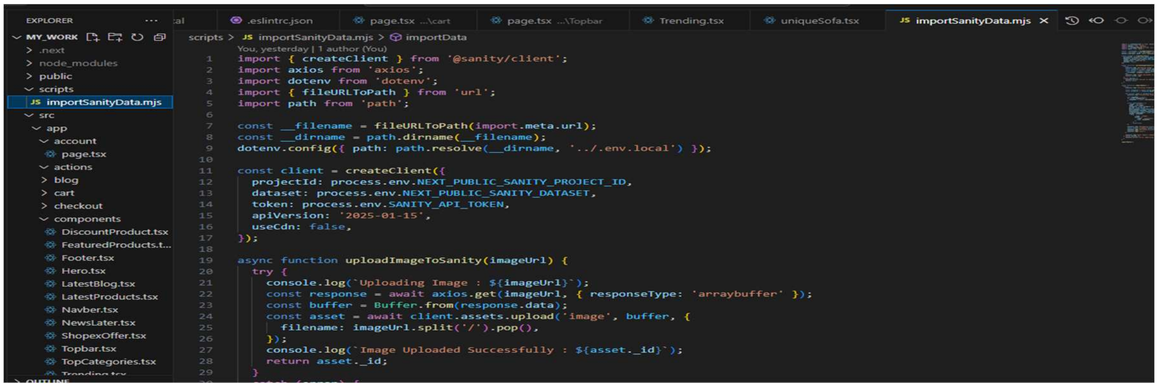
We’ve successfully set up a Next.js project and integrated it with Sanity web applications. 👋

2) Sanity Data Migration Process.!

Step:1 sanity import in project..



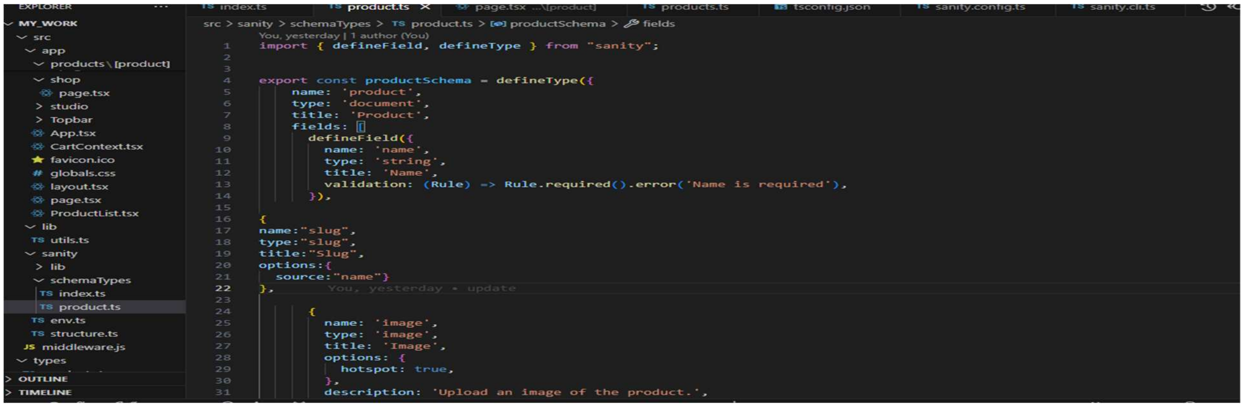
```
  "version": "0.1.0",
  "private": true,
  "scripts": {
    "dev": "next dev",
    "build": "next build",
    "start": "next start",
    "lint": "next lint",
    "import-data": "node scripts/importSanityData.mjs"
  },
  "dependencies": {
```



```
import { createClient } from '@sanity/client';
import axios from 'axios';
import dotenv from 'dotenv';
import { fileURLToPath } from 'url';
import path from 'path';

const __filename = fileURLToPath(import.meta.url);
const __dirname = path.dirname(__filename);
dotenv.config({ path: path.resolve(__dirname, '../.env.local') });

const client = createClient({
  projectId: process.env.NEXT_PUBLIC_SANITY_PROJECT_ID,
  dataset: process.env.NEXT_PUBLIC_SANITY_DATASET,
  token: process.env.SANITY_API_TOKEN,
  apiVersion: '2025-01-15',
  useCdn: false,
});

async function uploadImageToSanity(imageUrl) {
  try {
    console.log(`Uploading Image : ${imageUrl}`);
    const response = await axios.get(imageUrl, { responseType: 'arraybuffer' });
    const buffer = Buffer.from(response.data);
    const asset = await client.assets.upload('image', buffer, {
      filename: imageUrl.split('/').pop(),
    });
    console.log(`Image Uploaded Successfully : ${asset._id}`);
    return asset._id;
  }
```

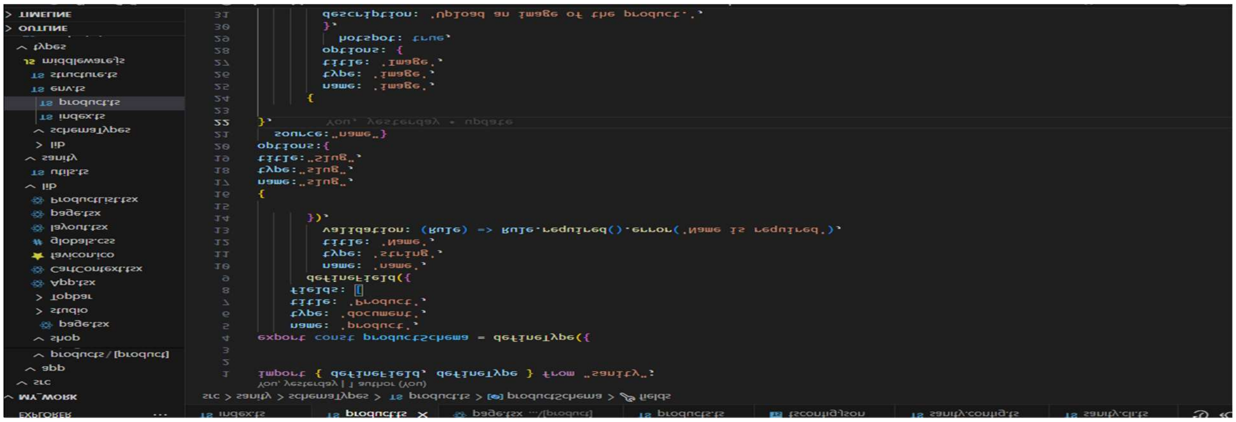
Step:2

Creating a product schema.



```
import { defineField, defineType } from "sanity";


export const productSchema = defineType({
    name: 'product',
    type: 'document',
    title: 'Product',
    fields: [
      defineField({
        name: 'name',
        type: 'string',
        title: 'Name',
        validation: (Rule) => Rule.required().error('Name is required'),
      }),

{
name:"slug",
type:"slug",
title:"Slug",
options:{
  source:"name"}
},        You, yesterday • update

      {
        name: 'image',
        type: 'image',
        title: 'Image',
        options: {
          hotspot: true,
        },
        description: 'Upload an image of the product.',
```

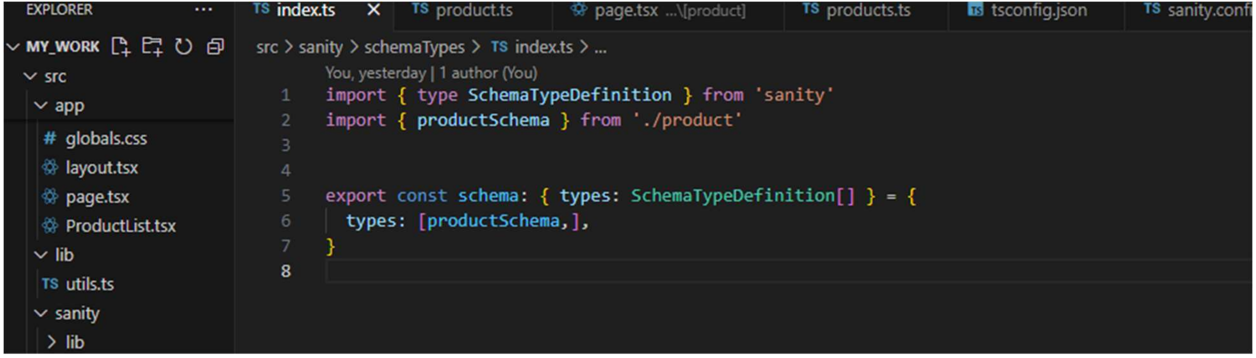
Planning your schema types



src > sanity > schemaTypes > product.ts > productSchema > fields
You, yesterday | 1 author (You)

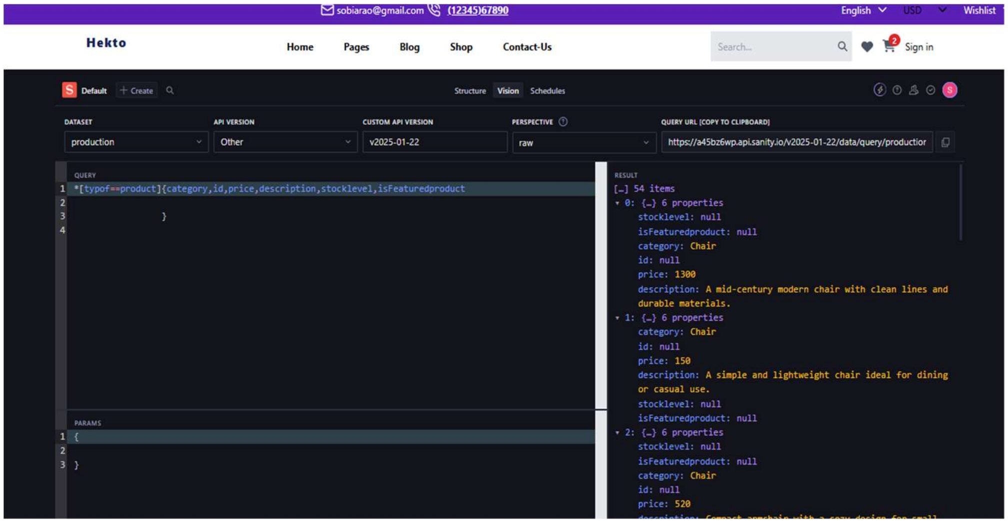
```
import { defineField, defineType } from "sanity";


export const productSchema = defineType({
    name: 'product',
    type: 'document',
    title: 'Product',
    fields: [
      defineField({
        name: 'name',
        type: 'string',
        title: 'Name',
        validation: (Rule) => Rule.required().error('Name is required'),
      }),

{
name:"slug",
type:"slug",
title:"Slug",
options:{
  source:"name"}
},        You, yesterday • update

      {
        name: 'image',
        type: 'image',
        title: 'Image',
        options: {
          hotspot: true,
        },
        description: 'Upload an image of the product.',
```

schema import



```
import { type SchemaTypeDefinition } from 'sanity'
import { productSchema } from './product'


export const schema: { types: SchemaTypeDefinition[] } = {
  types: [productSchema,],
}
```

A taste of GROQ



sobiarao@gmail.com (12345)67890
English USD Wishlist
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Structure Vision Schedules

DATASET: production
API VERSION: Other
CUSTOM API VERSION: v2025-01-22
PERSPECTIVE: raw
QUERY URL [COPY TO CLIPBOARD]: https://a45bz6wp.api.sanity.io/v2025-01-22/data/query/productior

QUERY

```
*[typof==product]{category,id,price,description,stocklevel,isFeaturedproduct

                }
```

PARAMS

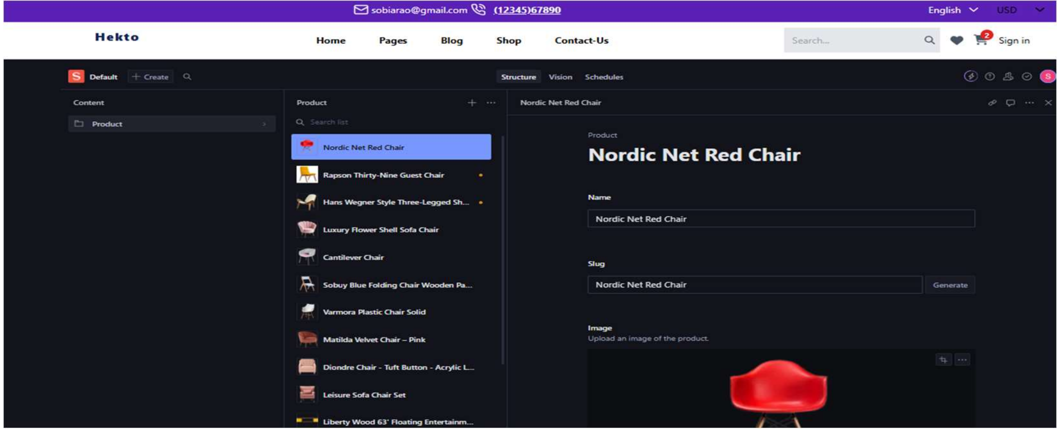
```
{

}
```

RESULT

```
[…] 54 items
▾ 0: {…} 6 properties
    stocklevel: null
    isFeaturedproduct: null
    category: Chair
    id: null
    price: 1300
    description: A mid-century modern chair with clean lines and
    durable materials.
▾ 1: {…} 6 properties
    category: Chair
    id: null
    price: 150
    description: A simple and lightweight chair ideal for dining
    or casual use.
    stocklevel: null
    isFeaturedproduct: null
▾ 2: {…} 6 properties
    stocklevel: null
    isFeaturedproduct: null
    category: Chair
    id: null
    price: 520
    description: Compact armchair with a cozy design for small
```

Product show in sanity ..



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Home Pages Blog Shop Contact-Us
Search... Sign in
Default + Create
Structure Vision Schedules
Content
Product
Product
Search list
Nordic Net Red Chair
Rapson Thirty-Nine Guest Chair
Hans Wegner Style Three-Legged Sh...
Luxury Flower Shell Sofa Chair
Cantilever Chair
Sobuy Blue Folding Chair Wooden Pa...
Varmora Plastic Chair Solid
Matilda Velvet Chair – Pink
Diondre Chair - Tuft Button - Acrylic L...
Leisure Sofa Chair Set
Liberty Wood 63' Floating Entertainm...
Nordic Net Red Chair

Product

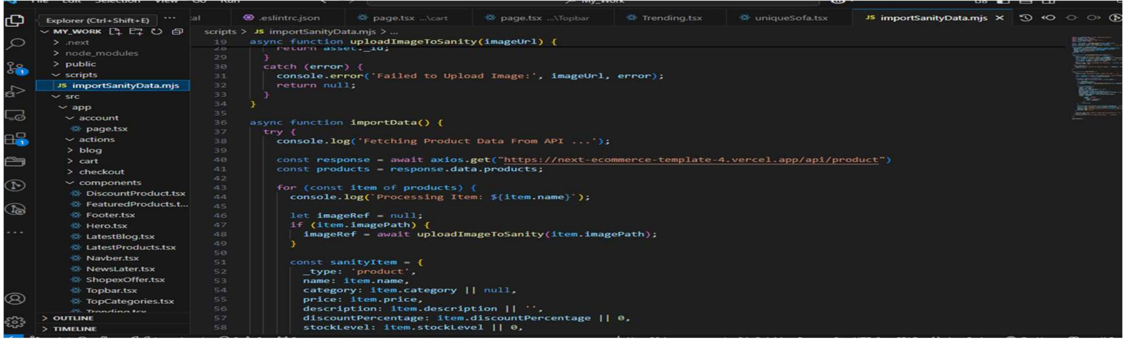
Nordic Net Red Chair

Name: Nordic Net Red Chair

Slug: Nordic Net Red Chair [Generate]

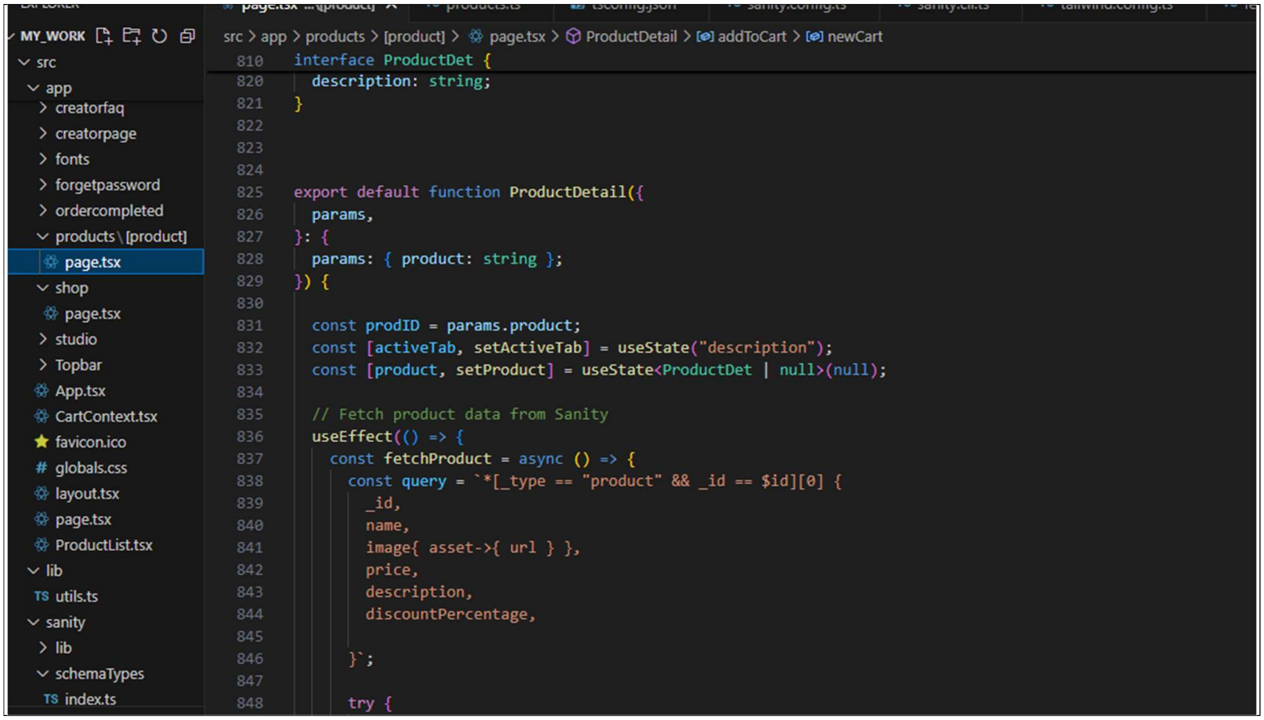
Image
Upload an image of the product.

Fetching Sanity API



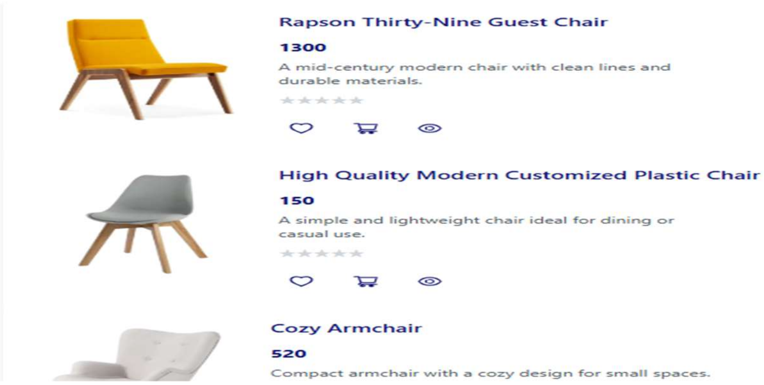
```
async function uploadImageToSanity(imageUrl) {
    }
    catch (error) {
      console.error('Failed to Upload Image:', imageUrl, error);
      return null;
    }
}

async function importData() {
    try {
      console.log('Fetching Product Data From API ...');

      const response = await axios.get("https://next-ecommerce-template-4.vercel.app/api/product")
      const products = response.data.products;

      for (const item of products) {
        console.log(`Processing Item: ${item.name}`);

        let imageRef = null;
        if (item.imagePath) {
          imageRef = await uploadImageToSanity(item.imagePath);
        }

        const sanityItem = {
          _type: 'product',
          name: item.name,
          category: item.category || null,
          price: item.price,
          description: item.description || '',
          discountPercentage: item.discountPercentage || 0,
          stockLevel: item.stockLevel || 0,
```

Data Integrate..



```
interface ProductDet {
  description: string;
}



export default function ProductDetail({
  params,
}: {
  params: { product: string };
}) {

  const prodID = params.product;
  const [activeTab, setActiveTab] = useState("description");
  const [product, setProduct] = useState<ProductDet | null>(null);

  // Fetch product data from Sanity
  useEffect(() => {
    const fetchProduct = async () => {
      const query = `*[_type == "product" && _id == $id][0] {
        _id,
        name,
        image{ asset->{ url } },
        price,
        description,
        discountPercentage,

      }`;

      try {
```

Sanity data Completely implement...



Rapson Thirty-Nine Guest Chair

1300

A mid-century modern chair with clean lines and durable materials.

★★★★★

High Quality Modern Customized Plastic Chair

150

A simple and lightweight chair ideal for dining or casual use.

★★★★★

Cozy Armchair

520

Compact armchair with a cozy design for small spaces.

SOBIARAO

ROLL:00408274