

00201551

Sakeena Majeed

DAY 3

API INTEGRATION & DATA MIGRATION

Friday 9-12 Student Leader

src > sanity > lib > TS client.ts > ...

```
1  import { createClient, SanityClient } from '@sanity/client';
2  import dotenv from 'dotenv';
3  dotenv.config();
4
5  export const client: SanityClient = createClient({
6    projectId: process.env.NEXT_PUBLIC_SANITY_PROJECT_ID || '',
7    dataset: process.env.NEXT_PUBLIC_SANITY_DATASET || 'production',
8    token: process.env.NEXT_SANITY_API_TOKEN || '',
9    useCdn: false,
10    apiVersion: '2025-01-01',
11  });
```

By Sakeena majeed

src > sanity > schemaTypes > TS products.ts > default > fields > options > list

```
1 import { defineType } from "sanity"
2
3 export default defineType({
4   name: 'products',
5   title: 'Products',
6   type: 'document',
7   fields: [
8     {
9       name: 'name',
10      title: 'Name',
11      type: 'string',
12    },
13    {
14      name: 'price',
15      title: 'Price',
16      type: 'number',
17    },
18    {
19      name: 'description',
20      title: 'Description',
21      type: 'text',
22    },
23    {
24      name: 'image',
25      title: 'Image',
26      type: 'image',
27    },
28    {
29      name: "category",
30      title: "Category",
31      type: 'string',
32      options: {
33        list: [
34          {title: 'T-Shirt', value: 'tshirt'},
35          {title: 'Short', value: 'short'},
36          {title: 'Jeans', value: 'jeans'},
37          {title: 'Hoddie', value: 'hoodie'},
38          {title: 'Shirt', value: 'shirt'},
39        ]
40      }
41    }
42  ]
43 })
```

```
    },
    {
      name: "discountPercent",
      title: "Discount Percent",
      type: 'number',
    },
    {
      name: "new",
      type: 'boolean',
      title: "New",
    },
    {
      name: "colors",
      title: "Colors",
      type: 'array',
      of: [
        {type: 'string'}
      ]
    },
    {
      name: "sizes",
      title: "Sizes",
      type: 'array',
      of: [
        {type: 'string'}
      ]
    }
  ],
})
```

src > sanity > schemaTypes > TS index.ts > ...

```
1  import { type SchemaTypeDefinition } from 'sanity'
2  import product from './product'
3
4  export const schema: { types: SchemaTypeDefinition[] } = {
5    types: [product],
6  }
7
```

```

1  const { createClient } = require('@sanity/client');
2  require('dotenv').config({ path: '.env.local' });
3
4  const client = createClient({
5    projectId: process.env.NEXT_PUBLIC_SANITY_PROJECT_ID,
6    dataset: process.env.NEXT_PUBLIC_SANITY_DATASET || 'production',
7    useCdn: true,
8    apiVersion: '2025-01-13',
9    token: process.env.NEXT_SANITY_API_TOKEN,
10 });
11

```

Codeium: Refactor | Explain | Generate JSDoc | X

```

12 async function uploadImageToSanity(imageUrl) {
13   try {
14     console.log(`Uploading image: ${imageUrl}`);
15
16     const response = await fetch(imageUrl);
17     if (!response.ok) {
18       throw new Error(`Failed to fetch image: ${imageUrl}`);
19     }
20
21     const buffer = await response.arrayBuffer();
22     const bufferImage = Buffer.from(buffer);
23
24     const asset = await client.assets.upload('image', bufferImage, {
25       filename: imageUrl.split('/').pop(),
26     });
27
28     console.log(`Image uploaded successfully: ${asset._id}`);
29     return asset._id;
30   } catch (error) {
31     console.error('Failed to upload image:', imageUrl, error);
32     return null;
33   }
34 }
35

```

```

36 async function uploadProduct(product) {
37   try {
38     const imageId = await uploadImageToSanity(product.imageUrl);
39
40     if (imageId) {
41       const document = {
42         _type: 'products',
43         name: product.name,
44         description: product.description,
45         price: product.price,
46         images: [
47           {
48             _type: 'image',
49             asset: {
50               _ref: imageId,
51             },
52             category: product.category,
53             discountPercent: product.discountPercent,
54             isNew: product.isNew,
55             colors: product.colors,
56             sizes: product.sizes,
57           },
58         ],
59       };
60       const createdProduct = await client.create(document);
61       console.log(`Product ${product.name} uploaded successfully:`, createdProduct);
62     } else {
63       console.log(`Product ${product.name} skipped due to image upload failure.`);
64     }
65   } catch (error) {
66     console.error('Error uploading product:', error);
67   }
68 }

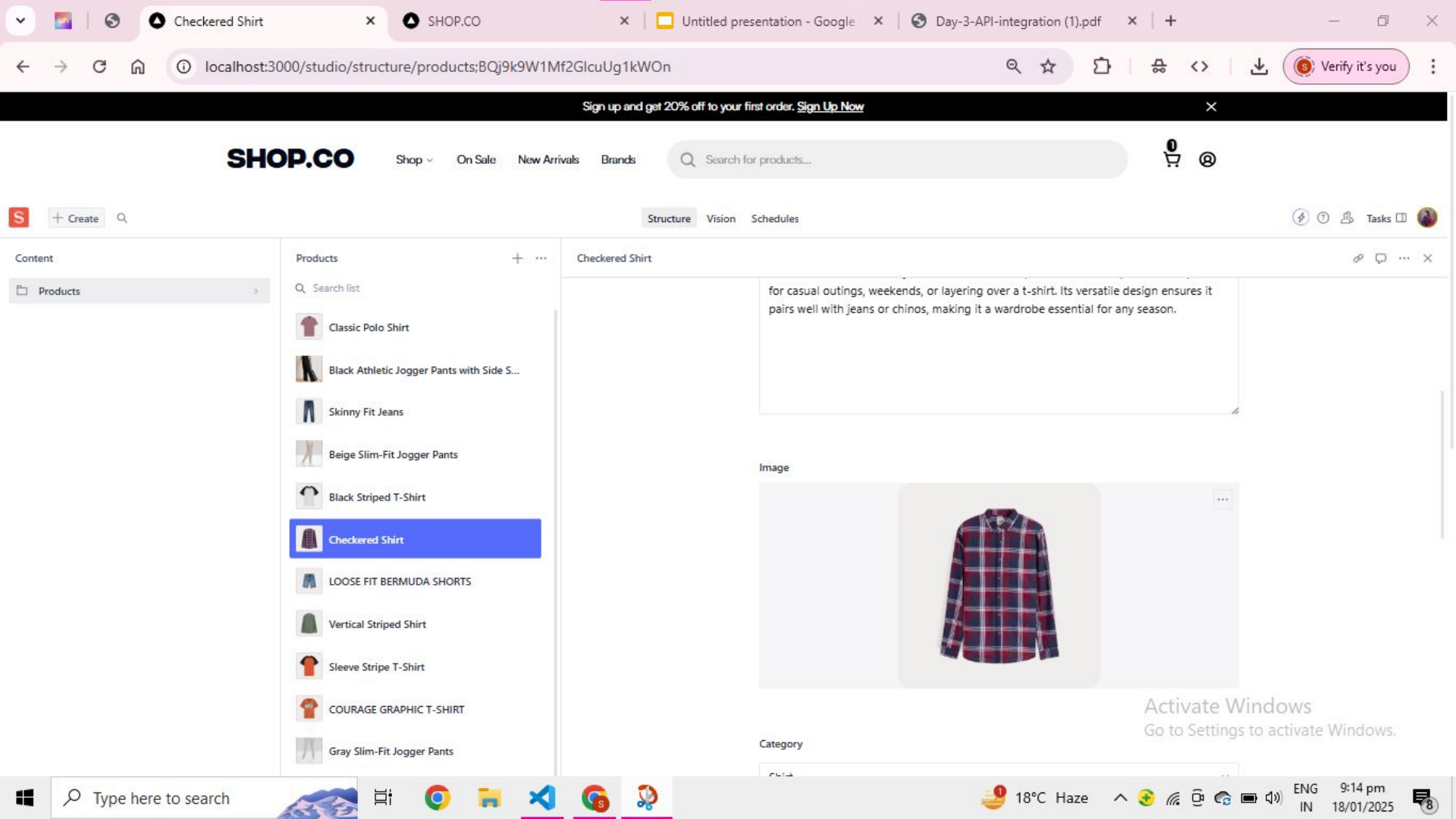
```

Codeium: Refactor | Explain | Generate JSDoc | X

```

69 async function importProducts() {
70   try {
71     const response = await fetch('https://template1-neon-nu.vercel.app/api/products');
72
73     if (!response.ok) {
74       throw new Error(`HTTP error! Status: ${response.status}`);
75     }
76
77     const products = await response.json();
78
79     for (const product of products) {
80       await uploadProduct(product);
81     }
82   } catch (error) {
83     console.error('Error fetching products:', error);
84   }
85 }
86
87 importProducts();
88

```



SHOP.CO

Shop

On Sale

New Arrivals

Brands

Search for products...



Colors



Size

XX-Small

X-Small

Small

Medium

Large

X-Large

XX-Large

3X-Large

4X-Large

Dress Style

Casual

Formal



Skinny Fit Jeans

★★★★☆ 3.5/5

\$208 ~~\$260~~ -20%



Chechered Shirt

★★★★☆ 4.5/5

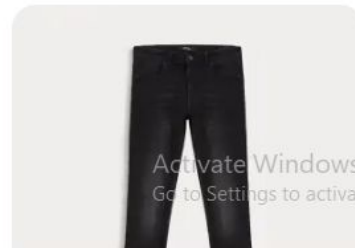
\$180



Sleeve Striped T-shirt

★★★★☆ 4.5/5

\$112 ~~\$160~~ -30%



Activate Windows
Go to Settings to activate Windows.



Type here to search



18°C Haze



ENG
US

9:33 pm
18/01/2025



SHOP.CO

Shop On Sale New Arrivals Brands

Search for products...



LOOSE FIT BERMUDA SHORTS

★★★★☆ 3.0/5

\$80

This graphic t-shirt which is perfect for any occasion. Crafted from a soft and breathable fabric, it offers superior comfort and style.

Select Colors



Choose Size

Small Medium Large X-Large

- 1 +

Add to Cart

Activate Windows
Go to Settings to activate Windows.

FileEditSelectionViewGo

←→

-SHOP.CO-main

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ProductListSec.tsxindex.tsxTS client.tsJS importData.jsTC htgcpc73.api.sanity.io/v2..

GET

https://8cupkdup.api.sanity.io/v/2025-01-04/data/query/production?query=%5Btype+%3D%3D+product%5D

Send

Query

Headers2

Auth

Body

Tests

Pre Run

Query Parameters

☒ query

*%5Btype+%3D%3D+product%5D

☐ parameter

value

Status: 200 OKSize: 57.15 KBTime: 1.76 s

Response

Headers20

Cookies

Results

Docs

1

{

2

"query": " *[type == product]",

3

"result": [

4

{

5

"_rev": "0e0ztuJY6MWdyb1BERd4KN",

6

"price": 300,

7

"name": "Casual Green Bomber Jacket",

8

"colors": [

9

"Blue",

10

"Red",

11

"Black",

12

"Yellow"

13

],

14

"discountPercent": 20,

15

"description": "This stylish green bomber jacket offers a sleek and modern twist on a classic design. Made from soft and comfortable fabric, it features snap buttons and ribbed cuffs, giving it a sporty yet refined look. The minimalist style makes it perfect for layering over casual t-shirts or hoodies. Whether you're out with friends or just lounging, this jacket provides a laid-back yet fashionable vibe. Its muted green color adds a subtle, earthy tone that pairs well with a variety of outfits, making it a versatile addition to your casual wardrobe.",

16

"isNew": true,

17

"_updatedAt": "2025-01-17T20:31:13Z",

18

"_type": "products",

19

"sizes": [

20

"S",

21

"XXL",

22

"XL",

23

"L"

24

],

25

"_createdAt": "2025-01-17T20:31:13Z",

26

"image": {

27

"tune": "image".

Activate Windows

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Response

Chart

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Go Live

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