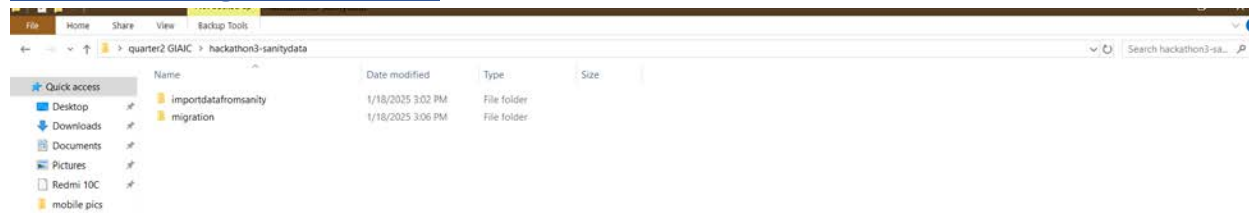


# Day-3 Api Intergration Document (Shop.co)

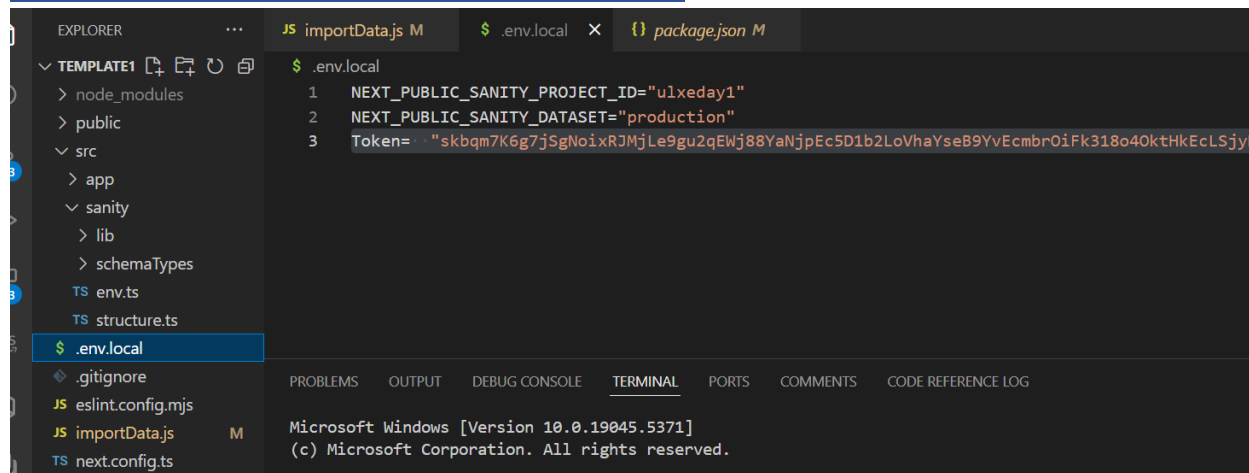
Aamir Ahmed Shamsi      rollno 00486031

## Api Integration Process.

- Created a migration folder



- Cloned Sir Jawwad's repo by using git clone command
- Insllled sanity in hackathon3 folder
- Created .env.local file in migration folder.



- Copied project id and Token from sanity page and paste into .env.local file.

**sanityDataMigration**

PLAN: Growth Trial | STATUS: Active | PROJECT ID: uheday1

Usage	
301 / 1m API CDN Requests	161 / 250k API Requests
728.6 KB / 100 GB Assets	3.5 MB / 100 GB Bandwidth
1 / 2 Datasets	17 / 10k Documents
1 / 20	

**Project members**

Invite your first team member

[+ Invite project members](#)

- [Run npm I sanity/client axios import-data in migration](#)

```
Microsoft Windows [Version 10.0.19045.5371]
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C:\Users\Lenovo\Desktop\quarter2 GIAIC\hackathon3-sanitydata\migration\template1>npm install @sanity/client axios dotenv
```

- [Run node importData.js file to upload all data from Api to sanity.](#)

```
importData.js
34
35 async function uploadProduct(product) {
36   try {
37     const imageId = await uploadImageToSanity(product.imageUrl);
38
39     if (imageId) {
40       const document = {
41         _type: 'products',
42         title: product.name,
43         description: product.description,
44         price: product.price,
45         image: {
46           _type: 'image',
47           asset: {
48             _ref: imageId,
49           },
50         },
51         category: product.category,
52         discount: product.discountPercent,
53         isNew: product.isNew,
54         color: product.colors,
55         size: product.sizes
56       };
57     }
58   }
59 }
60
61 export { uploadProduct };
```

```
Microsoft Windows [Version 10.0.19045.5371]
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C:\Users\Lenovo\Desktop\quarter2 GIAIC\hackathon3-sanitydata\migration\template1>node importData.js
```

- [After migration verified the data in sanity using localhost:3000/studio](#)

- Tweaked data schema as slug was not in the provided schema so I entered slug and gave source as title to get dynamic routes with names.

```
export default {
  name: 'product',
  type: 'document',
  title: 'Product',
  fields: [
    {
      name: 'name',
      type: 'string',
      title: 'Product Name',
    },
    {
      name: 'description',
      type: 'string',
      title: 'Description'
    },
    {
      name: 'price',
      type: 'number',
      title: 'Product Price',
    },
    {
      name: 'discountPercentage',
      type: 'number',
      title: 'Discount Percentage',
    },
    {
      name: 'priceWithoutDiscount',
      type: 'number',
      title: 'Price Without Discount',
      description: 'Original price before discount'
    }
  ],
}
```

- Made a data.ts file to get data into it from sanity and use it throughout my application.

The screenshot shows a code editor interface. On the left is a file explorer with a project structure including 'src', 'app', 'components', and various TypeScript files. The 'data.ts' file is selected. The main editor displays the following code:

```
src > components > data.ts > fetchProducts
1 import { client } from "@sanity/lib/client";
2 import { Product } from "../../typings";
3
4
5
6 // Fetch data from Sanity
7 export default async function fetchProducts(): Promise<Product[]> {
8   const query = `*[_type == "products"]{
9     title,
10    price,
11    description,
12    "imageUrl": image.asset->url,
13    category,
14    discount,
15    new,
16    color,
17    size,
18    "slug" : slug.current
19  }`;
20
21 // Fetch the data and return it
22 const products: Product[] = await client.fetch(query);
23 return products;
24 }
25
```

At the bottom, a terminal window shows the output: 'GET /fonts/IntegralCF-Regular.ttf 404 in 67ms'.

- Rendered data into my arrivals component

```
src > components > arrivals.tsx > Arrivals > products.map() callback
1
2 "use client"
3 import { useEffect, useState } from "react";
4 import fetchProducts from "../data"; // Import your fetchProducts function
5 import Card from "../card"; // Import the Card component
6 import { Product } from "../../typings";
7 import Link from "next/link";
8
9 export default function Arrivals() {
10   const [products, setProducts] = useState<Product[]>([]); // State to hold the fetched products
11
12   // Fetch data when the component mounts
13   useEffect(() => {
14     const getProducts = async () => {
15       const data = await fetchProducts(); // Fetch products using the asynchronous function
16       setProducts(data.slice(0,4)); // Update the state with the fetched data
17     };
18     getProducts();
19   }, []);
20
21 }
```

Microsoft Windows [Version 10.0.19045.5371]  
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C:\Users\Lenovo\Desktop\quarter2 GIAIC\hackathon3-sanitydata\importdatafromsanity\assignment-4>

- 
- [Also made a new route for viewing all data available in sanity and can be accessed by clicking view more under arrivals.](#)

```
src > app > products > page.tsx > Products
1 "use client";
2 import fetchProducts from "@/components/data";
3 import { useEffect, useState } from "react";
4 import { Product } from "../../typings"; // Assuming Product type has slug and other fields
5 import Card from "@/components/card";
6 import Hero from "@/components/hero";
7 import Link from "next/link";
8
9 export default function Products() {
10   const [products, setProducts] = useState<Product[]>([]);
11
12   useEffect(() => {
13     const getProducts = async () => {
14       const data = await fetchProducts();
15       setProducts(data);
16       console.log(data);
17     };
18     getProducts();
19   }, []);
20
21   return (
22     <div className="">
23       <Hero />
24       <h1 className="text-5xl font-bold text-center my-10">All Products</h1>
25     </div>
26   );
27 }
```

- 
-