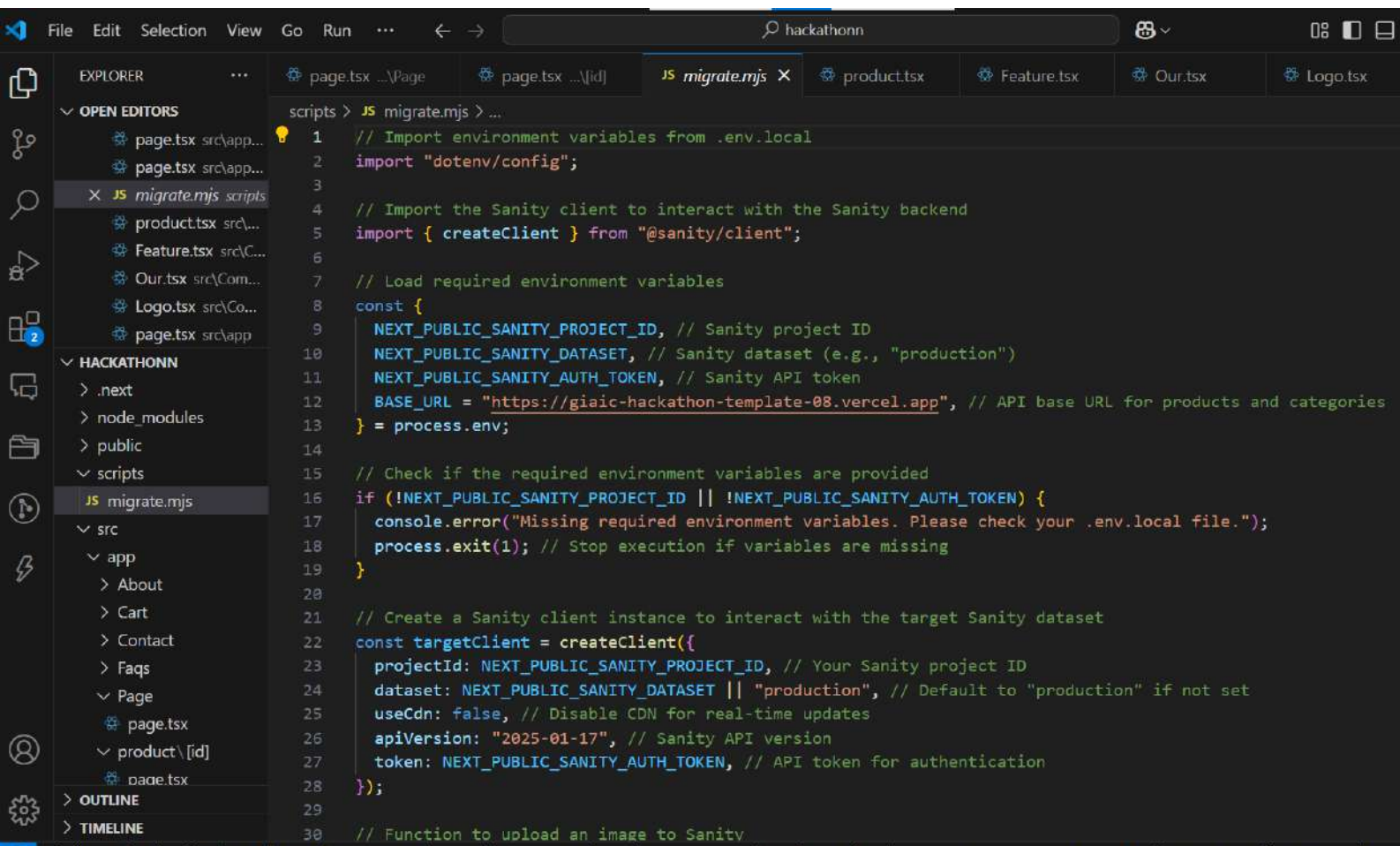# HACKATHON (DAY-3) MARKETPLACE-BUILDER GENERAL-E-COMMERCE

MUNAZZA ABDUL.REHMAN

HACKATHON (DAY-3)
API INTEGRATION
&
DATA MIGRATION

(1) API INTEGRATION

EXPLORER ··· | page.tsx ...\Page | page.tsx ...\[id] | JS migrate.mjs ✕ | product.tsx | Feature.tsx | Our.tsx | Logo.tsx

scripts > JS migrate.mjs > ...

```js
1   // Import environment variables from .env.local
2   import "dotenv/config";
3
4   // Import the Sanity client to interact with the Sanity backend
5   import { createClient } from "@sanity/client";
6
7   // Load required environment variables
8   const {
9     NEXT_PUBLIC_SANITY_PROJECT_ID, // Sanity project ID
10    NEXT_PUBLIC_SANITY_DATASET, // Sanity dataset (e.g., "production")
11    NEXT_PUBLIC_SANITY_AUTH_TOKEN, // Sanity API token
12    BASE_URL = "https://giaic-hackathon-template-08.vercel.app", // API base URL for products and categories
13  } = process.env;
14
15  // Check if the required environment variables are provided
16  if (!NEXT_PUBLIC_SANITY_PROJECT_ID || !NEXT_PUBLIC_SANITY_AUTH_TOKEN) {
17    console.error("Missing required environment variables. Please check your .env.local file.");
18    process.exit(1); // Stop execution if variables are missing
19  }
20
21  // Create a Sanity client instance to interact with the target Sanity dataset
22  const targetClient = createClient({
23    projectId: NEXT_PUBLIC_SANITY_PROJECT_ID, // Your Sanity project ID
24    dataset: NEXT_PUBLIC_SANITY_DATASET || "production", // Default to "production" if not set
25    useCdn: false, // Disable CDN for real-time updates
26    apiVersion: "2025-01-17", // Sanity API version
27    token: NEXT_PUBLIC_SANITY_AUTH_TOKEN, // API token for authentication
28  });
29
30  // Function to upload an image to Sanity
```

EXPLORER side panel:

- OPEN EDITORS
  - page.tsx src\app...
  - page.tsx src\app...
  - ✕ JS migrate.mjs scripts
  - product.tsx src\...
  - Feature.tsx src\C...
  - Our.tsx src\Com...
  - Logo.tsx src\Co...
  - page.tsx src\app
- HACKATHONN
  - > .next
  - > node_modules
  - > public
  - ∨ scripts
    - JS migrate.mjs
  - ∨ src
    - ∨ app
      - > About
      - > Cart
      - > Contact
      - > Faqs
      - ∨ Page
        - page.tsx
      - ∨ product\[id]
        - page.tsx
- > OUTLINE
- > TIMELINE

(2) DATA SCHEMA

```
18  {
19    title: "Price without Discoun
20    name: "priceWithoutDiscount",
21    type: "number",
22  },
23  {
24    name: "badge",
25    title: "Badge",
26    type: "string",
27  },
28  {
29    name: "image",
30    title: "Product Image",
31    type: "image",
32  },
33  {
34    name: "category",
35    title: "Category",
36    type: "reference",
37    to: [{ type: "categories" }],
38  },
39  {
40    name: "description",
      title: "Product Description"
```

(3)DATA MIGRATION

```
  9         "lint": "next lint",
 10         "migrate": "node scripts/migrate.mjs"
 11       },
 12       "dependencies": {
 13         "@radix-ui/react-slot": "^1.1.1",
 14         "@sanity/icons": "^3.5.7",
 15         "@sanity/image-url": "^1.1.0",
 16         "@sanity/vision": "^3.70.0",
 17         "class-variance-authority": "^0.7.1",
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   **TERMINAL**   PORTS

```
Microsoft Windows [Version 10.0.19045.5371]
(c) Microsoft Corporation. All rights reserved.

C:\Users\DEll\Desktop\hackathonn\hackathonn>npm run migrate
```

cmd
powershell
cmd

(4) SUCESSFULLY MIGRATION

Comforty

Home   Shop   Products   Pages   About

S   Default   + Create   🔍   Structure   Vision   Schedules

Content

📁 **Products**   ›

📁 **Categories**   ›

Products   +   ···

🔍 Search list

| | Ivory Charm |
| Gray Elegance |
| Nordic Spin |
| Scandi Dip Set |
| Modern Cozy |
| Library Stool Chair |
| SleekSpin |
| Rose Luxe Armchair |
| Citrus Edge |

localhost:3000/studio/structure/products

(5)DISPLAY ON FRONTEND

All Products

SleekSpin
$20

Rose Luxe Armchair
$20

Scandi Dip Set
$40

Nordic Spin
$30

(6) ON BACKEND

```tsx
interface Product {
  price: number;
  imageUrl: string;
}

const ProductListPage = asyn
  const query = `
    *[_type == "products"] {
      _id,
      title,
      price,
      "imageUrl": image.asse
    }
  `;
  const products: Product[]

  return (
    <div className="product-
      <div className="headin
        <h1 className="font-
      </div>
```

THANK YOU

MUNAZZA ABDUL.REHMAN