DOCUMENT TITLE: "DAY 3 API INTEGRATION REPORT [TRENDIFY]

What to submit:

A report document:

   ❖ API Integration process

   ❖ Adjust made to schema

   ❖ Migration steps and tools used.

Screenshorts of:

❖ Call API

❖ Data successfully displayed in frontend

❖ Populated sanity CMS

❖ Code snippet for API integration & migration script

```
D:\hackathon-ecommerce-website-main\hackathon-ecommerce-website-main>npm create sanity@latest

> next-ecommerce-shopco@0.1.0 npx
> create-sanity

You are logged in as kmoaz614@gmail.com using GitHub
Fetching existing projects

Create a new project or select an existing one Create new project
Your project name: daythree
Your content will be stored in a dataset that can be public or private, depending on
whether you want to query your content with or without authentication.
The default dataset configuration has a public dataset named "production".
Use the default dataset configuration? Yes
Creating dataset
Would you like to add configuration files for a Sanity project in this Next.js folder? Yes
Do you want to use TypeScript? Yes
Would you like an embedded Sanity Studio? 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.local file? Yes
Added http://localhost:3000 to CORS origins
Running 'npm install --legacy-peer-deps --save @sanity/vision@3 sanity@3 @sanity/image-url@1 styled-components@6'
npm warn deprecated @sanity/block-tools@3.70.0: Renamed - use `@portabletext/block-tools` instead. `@sanity/block-tools`
will no longer receive updates.

added 919 packages, changed 3 packages, and audited 1136 packages in 16m
```
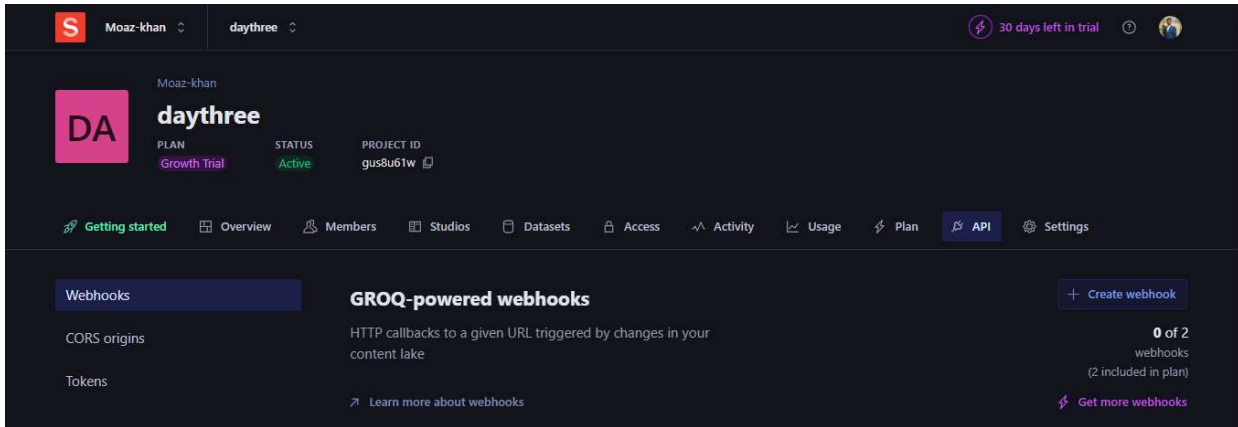


```
found 0 vulnerabilities

Success! Your Sanity configuration files has been added to this project

:\hackathon-ecommerce-website-main\hackathon-ecommerce-website-main>
```

CORS origins

Hosts that can connect to the project API.

ORIGIN	CREDENTIALS	CREATED	
http://localhost:3000	Allowed	51 minutes	🗑
http://localhost:3333	Allowed	52 minutes	🗑

NAME	PERMISSIONS	CREATED	
daythree	Developer	22 minutes	🗑

Copy the token below – this is your only chance to do so!

sk2ae3Q3t441F4XPkvHTI7kD2Q4breRAm44yHqIBMQ8CKAbPn93fNRsQW8qS4406pqCqtcNFA9hh4pKjyeUJkQ
QqT5krk5dlIwJzz1JXoVIrRQyKQqWDzGaNxuonKNYpdTVwwZ7ubVeEO5qJZw0sDOHGB2ETqwHT4T7ATCwWLV2h
XZmh7mAd

```typescript
import { defineType } from "sanity";

export default defineType({
  name: "products",
  title: "Products",
  type: "document",
  fields: [
    {
      name: "name",
      title: "Name",
      type: "string",
    },
    {
      name: "price",
      title: "Price",
      type: "number",
    },
    {
      name: "description",
      title: "Description",
      type: "text",
    },
    {
      name: "image",
      title: "Image",
      type: "image",
    },
    {
      name: "category",
      title: "Category",
      type: "string",
      options: {
```

File Edit Selection View Go Run ··· ← → 🔍 hackathon-ecommerce-website-main

TS products.ts ✕

src › sanity › schemaTypes › TS products.ts › [∞] default › 🔑 fields
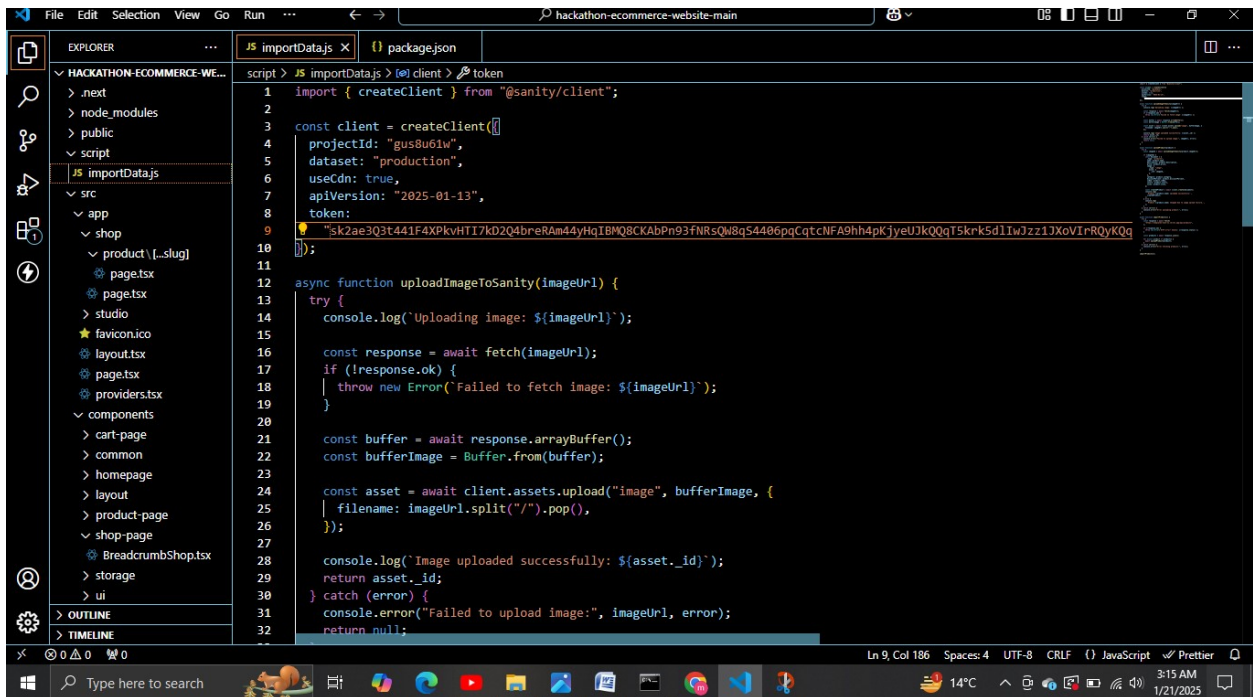
```typescript
  3      export default defineType({
  7          fields: [
 28              {
 29                  name: "category",
 30                  title: "Category",
 31                  type: "string",
 32                  options: {
 33                      list: [
 34                          { 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",
 44                  title: "Discount Percent",
 45                  type: "number",
 46              },
 47              {
 48                  name: "new",
 49                  type: "boolean",
 50                  title: "New",
 51              },
 52              {
 53                  name: "colors",
 54                  title: "Colors",
 55                  type: "array",
 56                  of: [{ type: "string" }],
 57              },
```
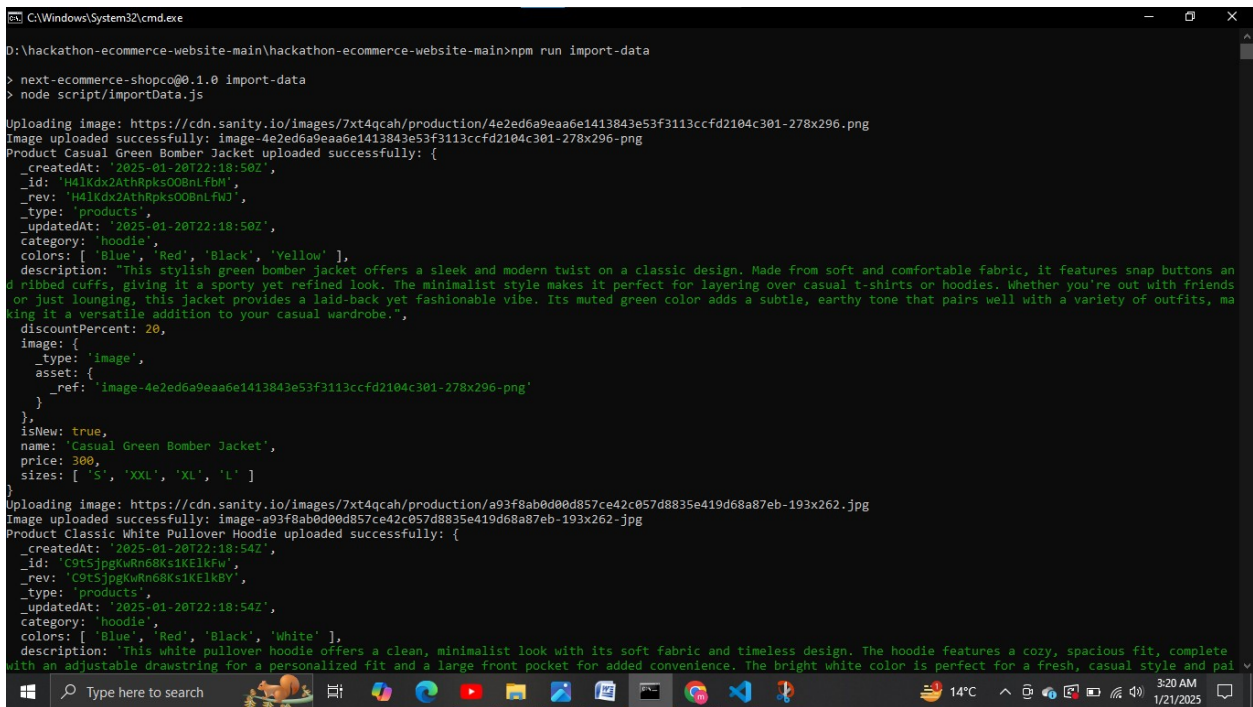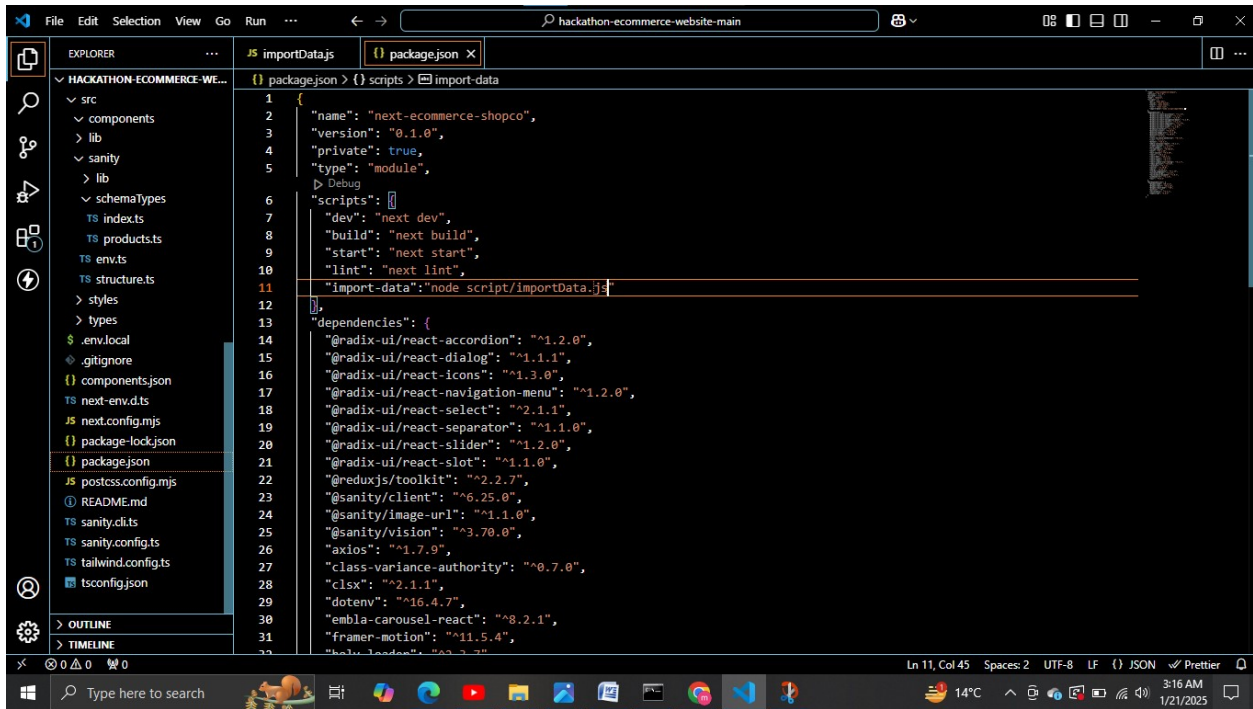
Ln 43, Col 31   Spaces: 4   UTF-8   CRLF   {} TypeScript   ✓ Prettier

File Edit Selection View Go Run ··· ← → 🔍 hackathon-ecommerce-website-main

EXPLORER   ···

JS importData.js ✕   {} package.json

HACKATHON-ECOMMERCE-WE...
> .next
> node_modules
> public
∨ script
    JS importData.js
∨ src
  ∨ app
    ∨ shop
      ∨ product\[...slug]
        ⚙ page.tsx
      ⚙ page.tsx
    > studio
    ★ favicon.ico
    ⚙ layout.tsx
    ⚙ page.tsx
    ⚙ providers.tsx
  ∨ components
    > cart-page
    > common
    > homepage
    > layout
    > product-page
    ∨ shop-page
      ⚙ BreadcrumbShop.tsx
    > storage
    > ui
> OUTLINE
> TIMELINE

script › JS importData.js › [∞] client › 🔑 token

```javascript
  1  import { createClient } from "@sanity/client";
  2
  3  const client = createClient({
  4      projectId: "gus8u61w",
  5      dataset: "production",
  6      useCdn: true,
  7      apiVersion: "2025-01-13",
  8      token:
  9          "sk2ae3Q3t441F4XPkvHTI7kD2Q4breRAm44yHqIBMQ8CKAbPn93fNRsQW8qS4406pqCqtcNFA9hh4pKjyeUJkQQqT5krk5dlIwJzz1JXoVIrRQyKQq
 10  });
 11
 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;
```

Ln 9, Col 186   Spaces: 4   UTF-8   CRLF   {} JavaScript   ✓ Prettier

3:15 AM 1/21/2025 14°C

EXPLORER ···   JS importData.js   {} package.json ✕   ▭ ···

∨ HACKATHON-ECOMMERCE-WE...   {} package.json > {} scripts > ⊡ import-data

∨ src
  > components
  > lib
  ∨ sanity
    > lib
    ∨ schemaTypes
      TS index.ts
      TS products.ts
    TS env.ts
    TS structure.ts
  > styles
  > types
  $ .env.local
  ◇ .gitignore
  {} components.json
  TS next-env.d.ts
  JS next.config.mjs
  {} package-lock.json
  {} package.json
  JS postcss.config.mjs
  ① README.md
  TS sanity.cli.ts
  TS sanity.config.ts
  TS tailwind.config.ts
  TS tsconfig.json

> OUTLINE
> TIMELINE

```json
1   {
2     "name": "next-ecommerce-shopco",
3     "version": "0.1.0",
4     "private": true,
5     "type": "module",
    ▷ Debug
6     "scripts": {
7       "dev": "next dev",
8       "build": "next build",
9       "start": "next start",
10      "lint": "next lint",
11      "import-data":"node script/importData.js"
12    },
13    "dependencies": {
14      "@radix-ui/react-accordion": "^1.2.0",
15      "@radix-ui/react-dialog": "^1.1.1",
16      "@radix-ui/react-icons": "^1.3.0",
17      "@radix-ui/react-navigation-menu": "^1.2.0",
18      "@radix-ui/react-select": "^2.1.1",
19      "@radix-ui/react-separator": "^1.1.0",
20      "@radix-ui/react-slider": "^1.2.0",
21      "@radix-ui/react-slot": "^1.1.0",
22      "@reduxjs/toolkit": "^2.2.7",
23      "@sanity/client": "^6.25.0",
24      "@sanity/image-url": "^1.1.0",
25      "@sanity/vision": "^3.70.0",
26      "axios": "^1.7.9",
27      "class-variance-authority": "^0.7.0",
28      "clsx": "^2.1.1",
29      "dotenv": "^16.4.7",
30      "embla-carousel-react": "^8.2.1",
31      "framer-motion": "^11.5.4",
```

Ln 11, Col 45   Spaces: 2   UTF-8   LF   {} JSON   ✓ Prettier

---

C:\Windows\System32\cmd.exe

```
D:\hackathon-ecommerce-website-main\hackathon-ecommerce-website-main>npm run import-data

> next-ecommerce-shopco@0.1.0 import-data
> node script/importData.js

Uploading image: https://cdn.sanity.io/images/7xt4qcah/production/4e2ed6a9eaa6e1413843e53f3113ccfd2104c301-278x296.png
Image uploaded successfully: image-4e2ed6a9eaa6e1413843e53f3113ccfd2104c301-278x296-png
Product Casual Green Bomber Jacket uploaded successfully: {
  _createdAt: '2025-01-20T22:18:50Z',
  _id: 'H4lKdx2AthRpksOOBnLfbM',
  _rev: 'H4lKdx2AthRpksOOBnLfWJ',
  _type: 'products',
  _updatedAt: '2025-01-20T22:18:50Z',
  category: 'hoodie',
  colors: [ 'Blue', 'Red', 'Black', 'Yellow' ],
  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 an
d 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, ma
king it a versatile addition to your casual wardrobe.",
  discountPercent: 20,
  image: {
    _type: 'image',
    asset: {
      _ref: 'image-4e2ed6a9eaa6e1413843e53f3113ccfd2104c301-278x296-png'
    }
  },
  isNew: true,
  name: 'Casual Green Bomber Jacket',
  price: 300,
  sizes: [ 'S', 'XXL', 'XL', 'L' ]
}
Uploading image: https://cdn.sanity.io/images/7xt4qcah/production/a93f8ab0d00d857ce42c057d8835e419d68a87eb-193x262.jpg
Image uploaded successfully: image-a93f8ab0d00d857ce42c057d8835e419d68a87eb-193x262-jpg
Product Classic White Pullover Hoodie uploaded successfully: {
  _createdAt: '2025-01-20T22:18:54Z',
  _id: 'C9tSjpgKwRn68Ks1KElkFw',
  _rev: 'C9tSjpgKwRn68Ks1KElkBY',
  _type: 'products',
  _updatedAt: '2025-01-20T22:18:54Z',
  category: 'hoodie',
  colors: [ 'Blue', 'Red', 'Black', 'White' ],
  description: 'This white pullover hoodie offers a clean, minimalist look with its soft fabric and timeless design. The hoodie features a cozy, spacious fit, complete
with an adjustable drawstring for a personalized fit and a large front pocket for added convenience. The bright white color is perfect for a fresh, casual style and pai
```
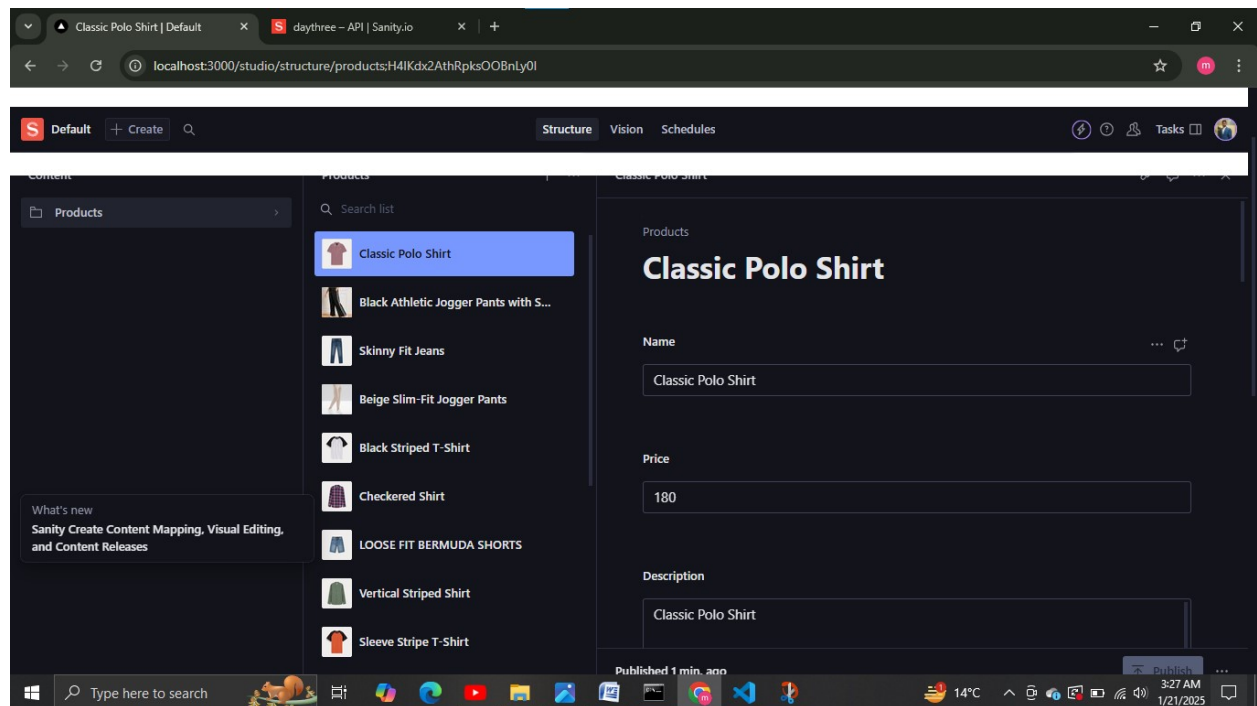
```
next-server (v14.2.23)

D:\hackathon-ecommerce-website-main\hackathon-ecommerce-website-main>npm run dev

> next-ecommerce-shopco@0.1.0 dev
> next dev


  ▲ Next.js 14.2.23
  - Local:        http://localhost:3000
  - Environments: .env.local


  Starting...
```


Classic Polo Shirt | Default   daythree – API | Sanity.io

localhost:3000/studio/structure/products;H4IKdx2AthRpksOOBnLy0l

S Default   + Create   Q   Structure   Vision   Schedules   Tasks

Content   Products   Classic Polo Shirt

Products   >   Q Search list   Products

                             Classic Polo Shirt   Classic Polo Shirt

                             Black Athletic Jogger Pants with S...   Name

                             Skinny Fit Jeans   Classic Polo Shirt

                             Beige Slim-Fit Jogger Pants
                                                             Price
                             Black Striped T-Shirt
                                                             180
What's new   Checkered Shirt
Sanity Create Content Mapping, Visual Editing,
and Content Releases   LOOSE FIT BERMUDA SHORTS   Description

                             Vertical Striped Shirt   Classic Polo Shirt

                             Sleeve Stripe T-Shirt
                                                             Published 1 min. ago   Publish

SHOP.CO   Shop ⌄   On Sale   New Arrivals   Brands   Search for products...

S Default   + Create   🔍   Structure   **Vision**   Schedules   Tasks

DATASET	API VERSION	CUSTOM API VERSION	PERSPECTIVE ⓘ	QUERY URL [COPY TO CLIPBOARD]
production	Other	v2025-01-20	raw	https://gus8u61w.api.sanity.io/v2025-01-20/data/query/

QUERY
```
1   *[_type=="products"]{
2     _id,
3     name,
4     description,
5     price,
6     "imageUrl" : image.asset->url,
7     category,
8     discountPercent,
9     "isNew": new,
10    colors,
11    sizes
12  }
```

PARAMS
```
1  {
2
3  }
```

RESULT
```
[…] 17 items
▼ 0: {…} 10 properties
    description: Add a bold and artistic touch to your wardrobe with this unique graphic t-shirt.
    Featuring an eye-catching abstract swirl design in vibrant colors, it exudes energy and
    individuality. The "Just Walk Forward" slogan adds a motivational element, making this tee perfect
    for those who love to express themselves. Key Features: High-quality fabric for ultimate comfort
    and durability Modern, unisex design suitable for casual outings or statement looks Relaxed fit
    with a classic crew neckline Unique printed details for a one-of-a-kind style Pair it with jeans,
    joggers, or shorts to create a standout look!
    price: 145
    imageUrl: https://cdn.sanity.io/images/gus8u61w/production/701cf9bdf7e58564aae72eb5b76896f02a1d4115
    -295x298.png
    isNew: null
    _id: 56ei2tSv0rVbVv9wHMgZp7
    🔗
    category: tshirt
    discountPercent: 0
  ▼ colors: [ ] 4 items
```

Type here to search   14°C   3:36 AM 1/21/2025

NEW ARRIVALS

Casual Green Bomber Jacket
★★★★★ 5/5
$300   20%

Classic White Pullover Hoodie
★★★★★ 5/5
$150   10%

Classic Black Long Sleeve...
★★★★★ 5/5
$190

Gray Slim-Fit Jogger
★★★★★ 5/5
$170   15%

localhost:3000/productdetail/pNdFo0jzUh1upuRBLlqGmO

Type here to search   19°C Haze   11:40 PM 1/22/2025