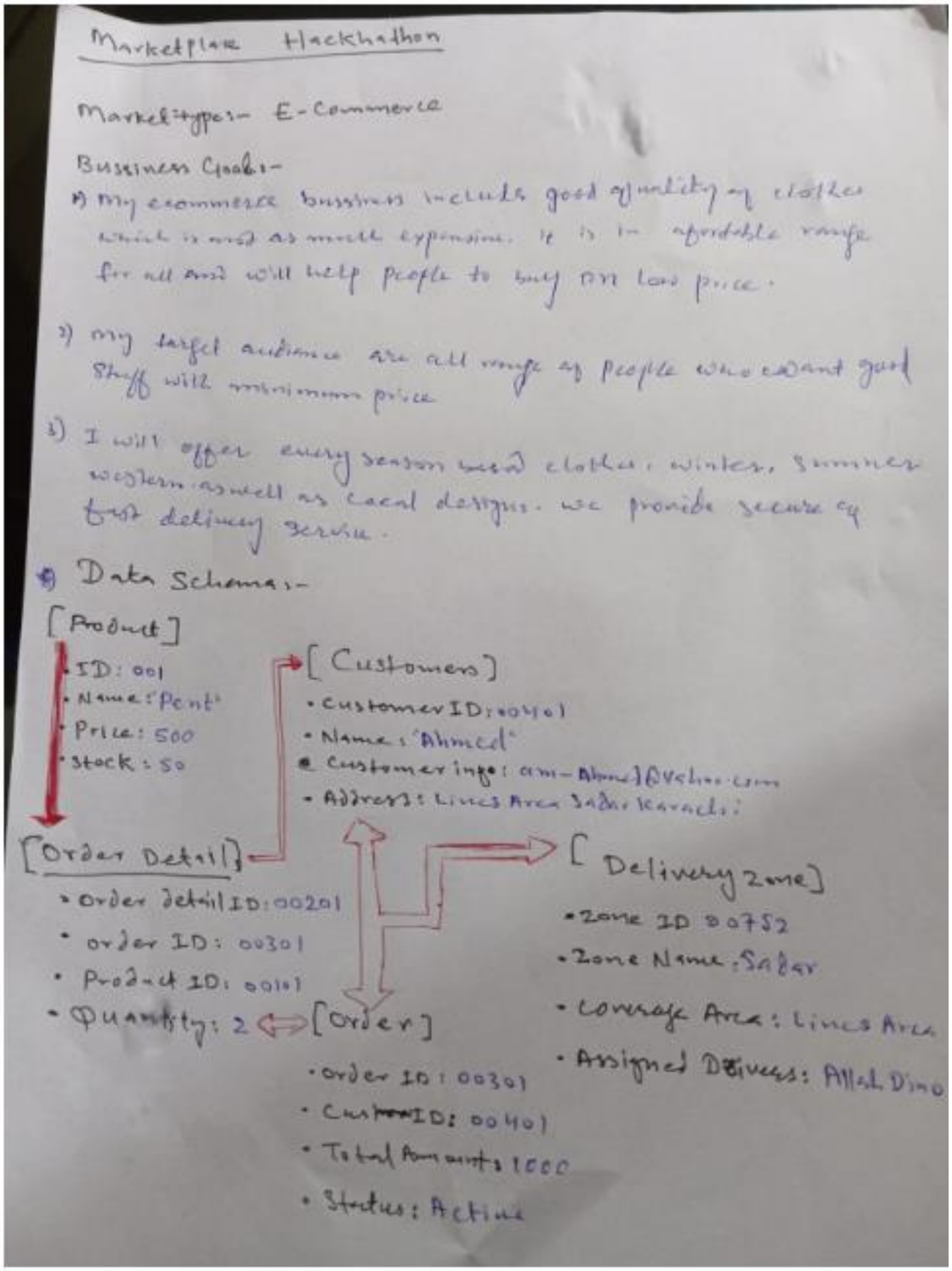
Hackathon-three

Document



Marketplace Hackthathon

Markettypes:- E-Commerce

Bussiness Goals:-

1) My ecommerce bussiness include good quality of clothes which is not as much expensive. it is in affordable range for all and will help people to buy on low price.

2) my target audience are all range of people who want good stuff with minimum price

3) I will offer every season wear clothes. winter, summer western aswell as local designs. we provide secure of fast delivery service.

Data Schema:-

[Product]
- ID: 001
- Name: 'Pant'
- Price: 500
- stock: 50

[Customers]
- CustomerID: 00401
- Name: 'Ahmed'
- Customer info: am-Ahmed@yahoo.com
- Address: Lines Area Sadar Karachi

[Order Detail]
- Order detail ID: 00201
- order ID: 00301
- Product ID: 00101
- Quantity: 2

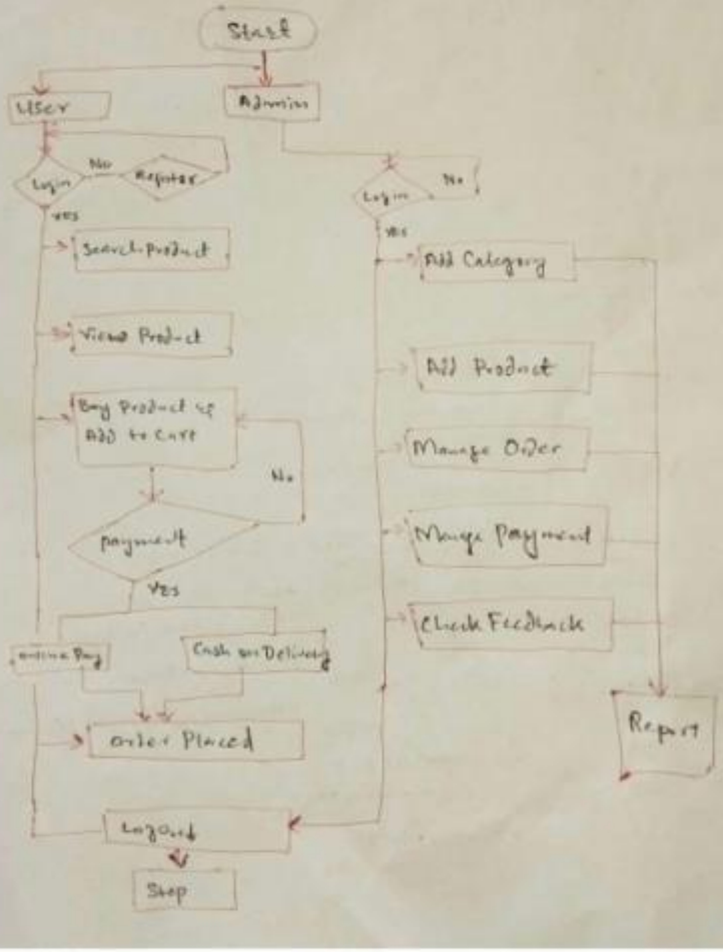
[Order]
- order ID: 00301
- CustomID: 00401
- Total Amount: 1000
- Status: Active

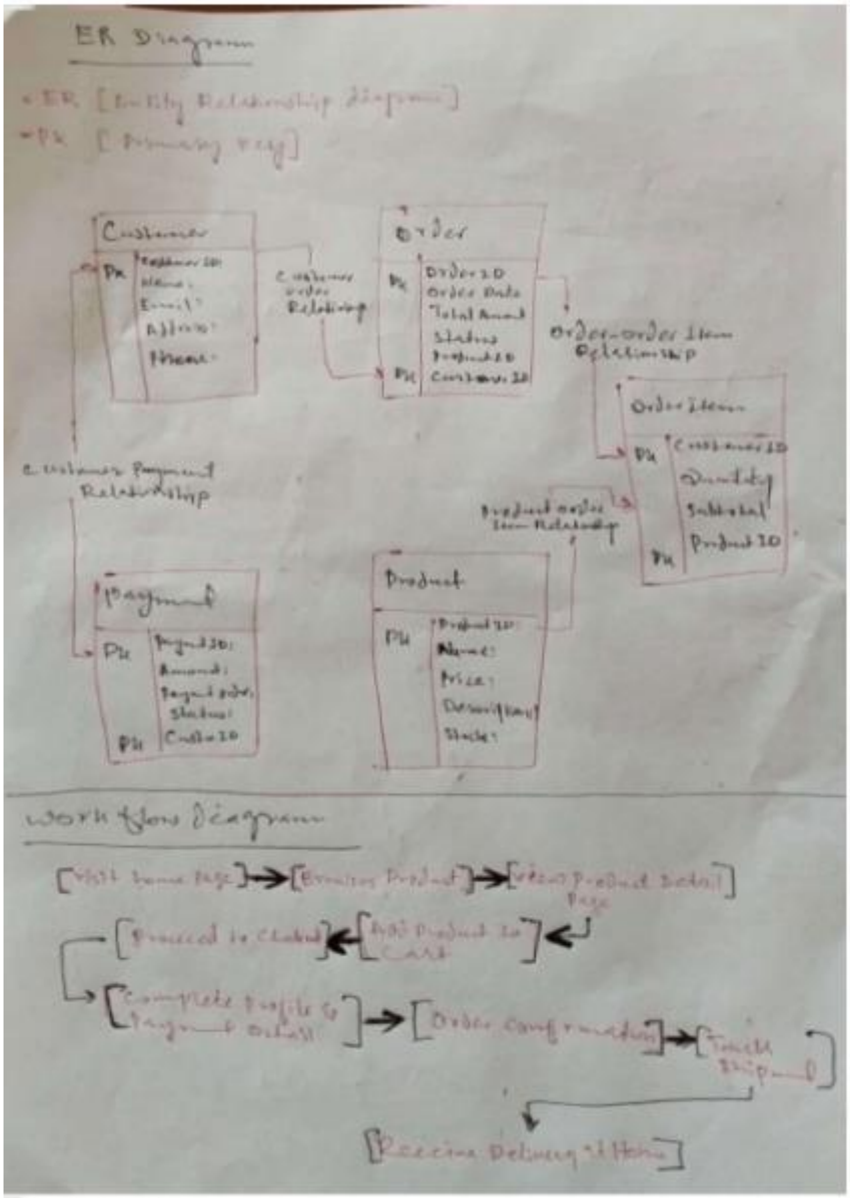
[Delivery zone]
- Zone ID 00752
- Zone Name: Sadar
- Coverage Area: Lines Area
- Assigned Drivers: Allah Dino

Market Place Technical Foundation

Day-2 Hackathon-3

Flow Chart





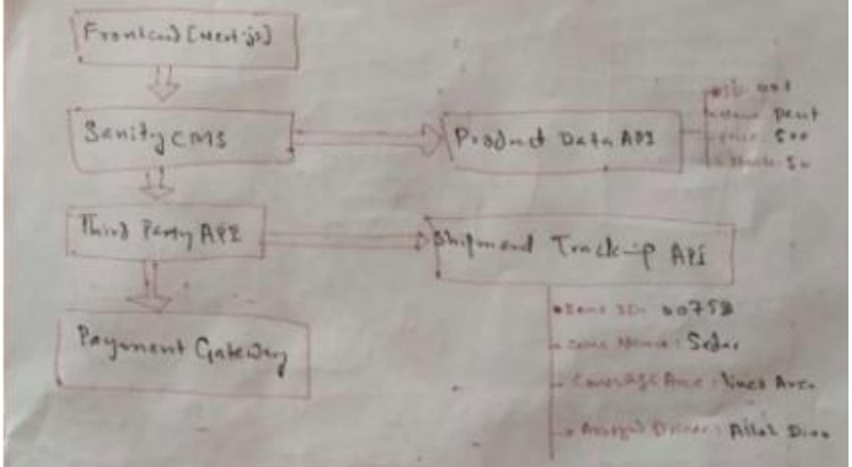
ER Diagram

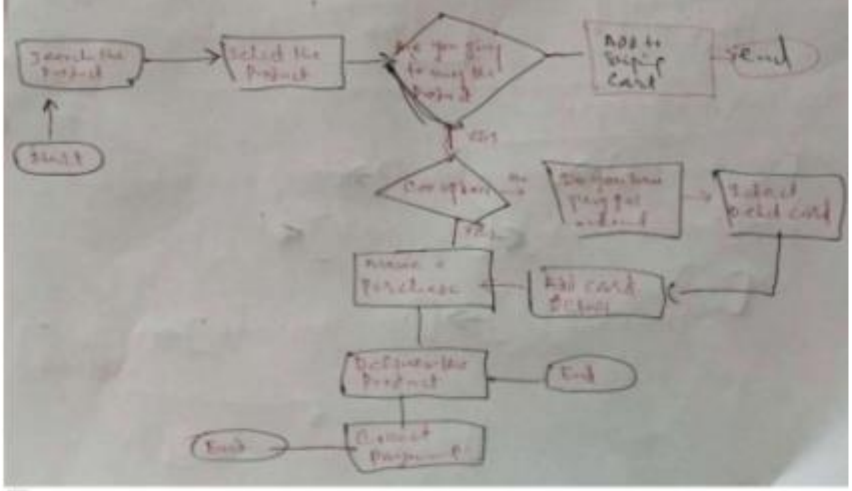
- ER [Entity Relationship diagram]
- PK [Primary Key]

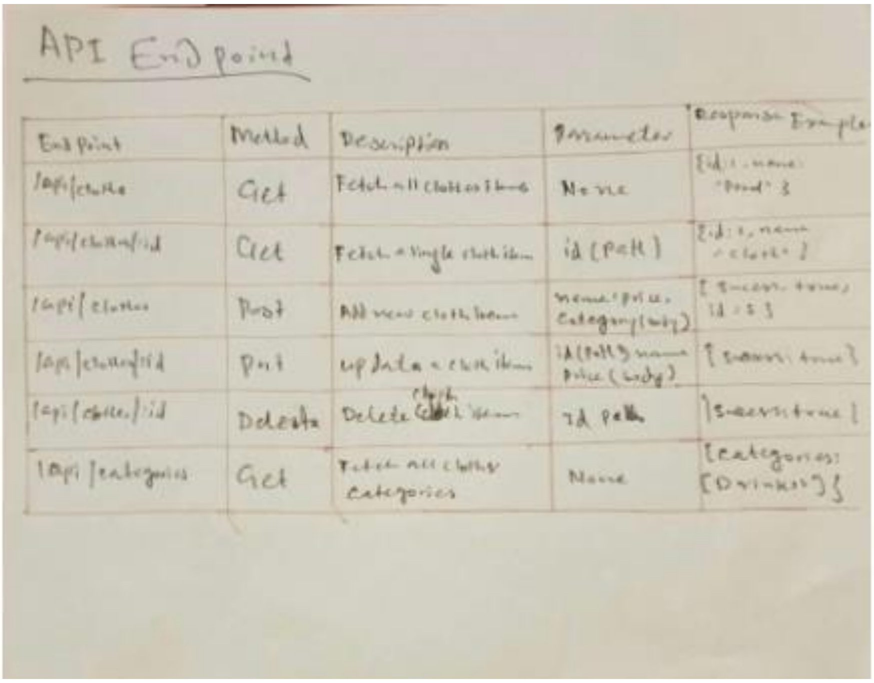
Work flow Diagram

System Architecture Overview

Diagram:



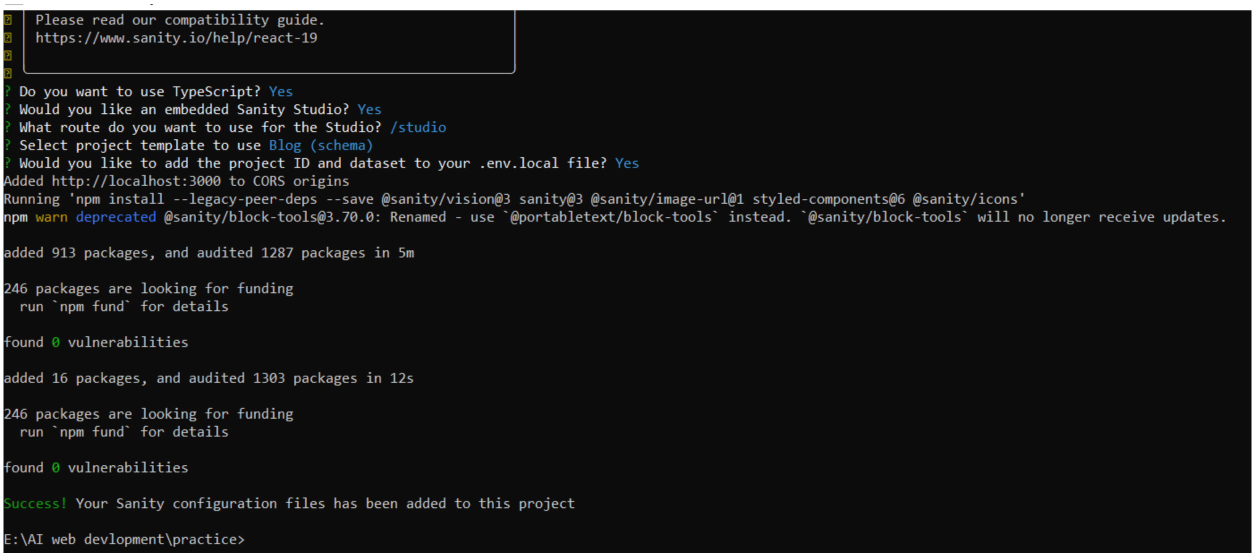




API End point

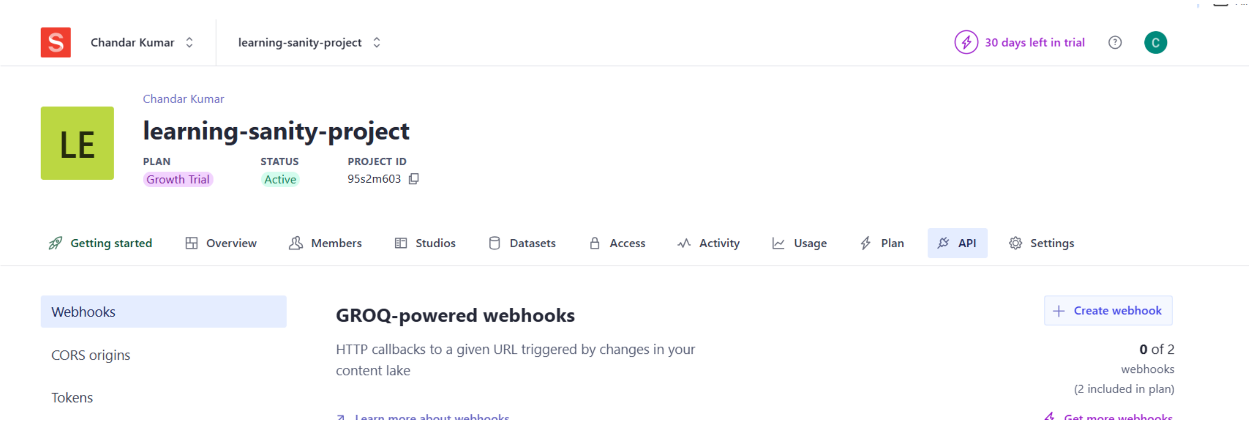
End Point	Method	Description	Parameter	Response Example
/api/clothe	Get	Fetch all clothes items	None	{id:1, name: "Food"}
/api/clothes/:id	Get	Fetch a single cloth item	id (Path)	{id:1, name: "cloth"}
/api/clothes	Post	Add new cloth item	name, price, Category (body)	{ success: true, id: 5 }
/api/clothes/:id	Put	update a cloth item	id (Path), name, Price (body)	{ success: true }
/api/clothes/:id	Delete	Delete cloth item	id path	{success: true}
/api/categories	Get	Fetch all clothes categories	None	{categories: [Drinks]}

Sanity installation



```
 Please read our compatibility guide.
 https://www.sanity.io/help/react-19

? 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 Blog (schema)
? 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 @sanity/icons'
npm warn deprecated @sanity/block-tools@3.70.0: Renamed - use `@portabletext/block-tools` instead. `@sanity/block-tools` will no longer receive updates.

added 913 packages, and audited 1287 packages in 5m

246 packages are looking for funding
  run `npm fund` for details

found 0 vulnerabilities

added 16 packages, and audited 1303 packages in 12s

246 packages are looking for funding
  run `npm fund` for details

found 0 vulnerabilities

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

E:\AI web devlopment\practice>
```

Sanity new project



Chandar Kumar

learning-sanity-project

PLAN: Growth Trial

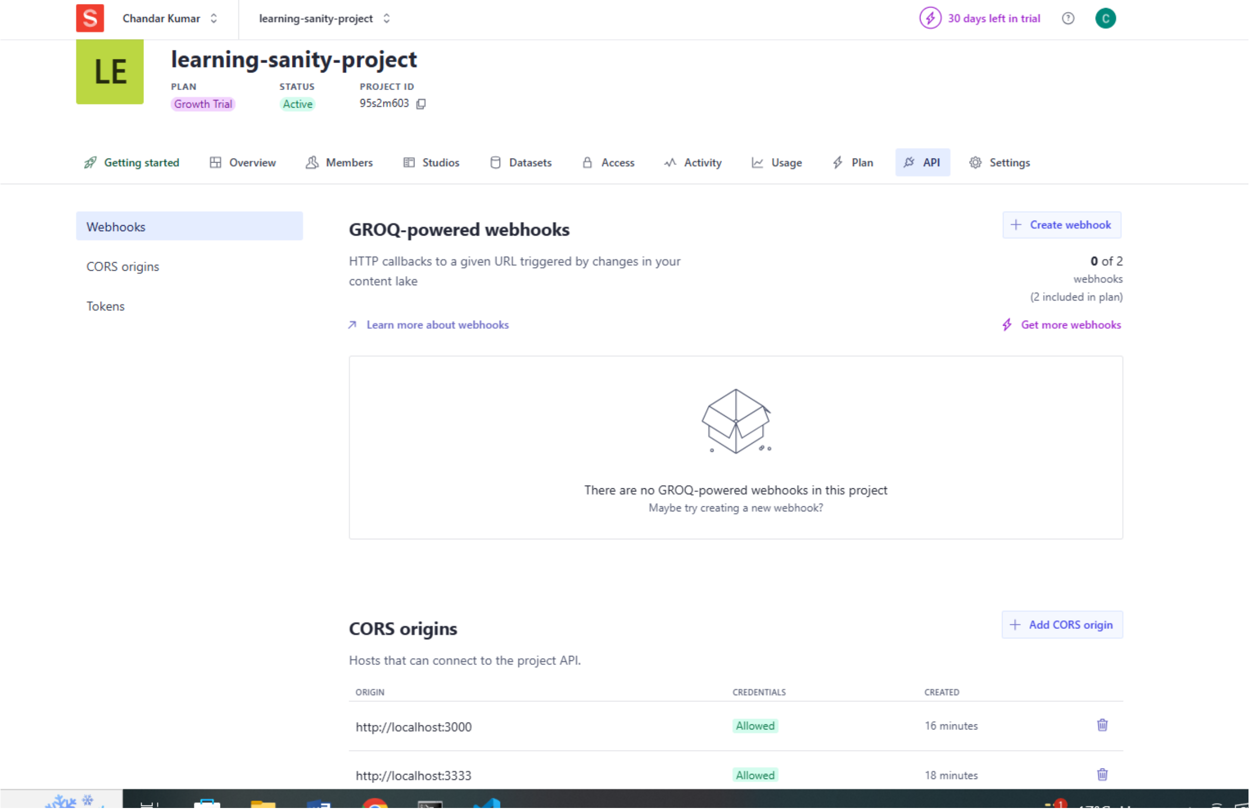
STATUS: Active

PROJECT ID: 95s2m603

GROQ-powered webhooks

HTTP callbacks to a given URL triggered by changes in your content lake

0 of 2 webhooks (2 included in plan)



learning-sanity-project

PLAN: Growth Trial

STATUS: Active

PROJECT ID: 95s2m603

GROQ-powered webhooks

HTTP callbacks to a given URL triggered by changes in your content lake

0 of 2 webhooks (2 included in plan)

There are no GROQ-powered webhooks in this project

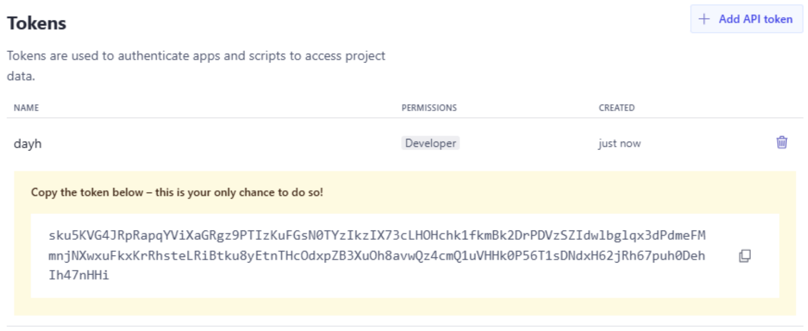
Maybe try creating a new webhook?

CORS origins

Hosts that can connect to the project API.

ORIGIN	CREDENTIALS	CREATED
http://localhost:3000	Allowed	16 minutes
http://localhost:3333	Allowed	18 minutes

Token generation



Tokens

Tokens are used to authenticate apps and scripts to access project data.

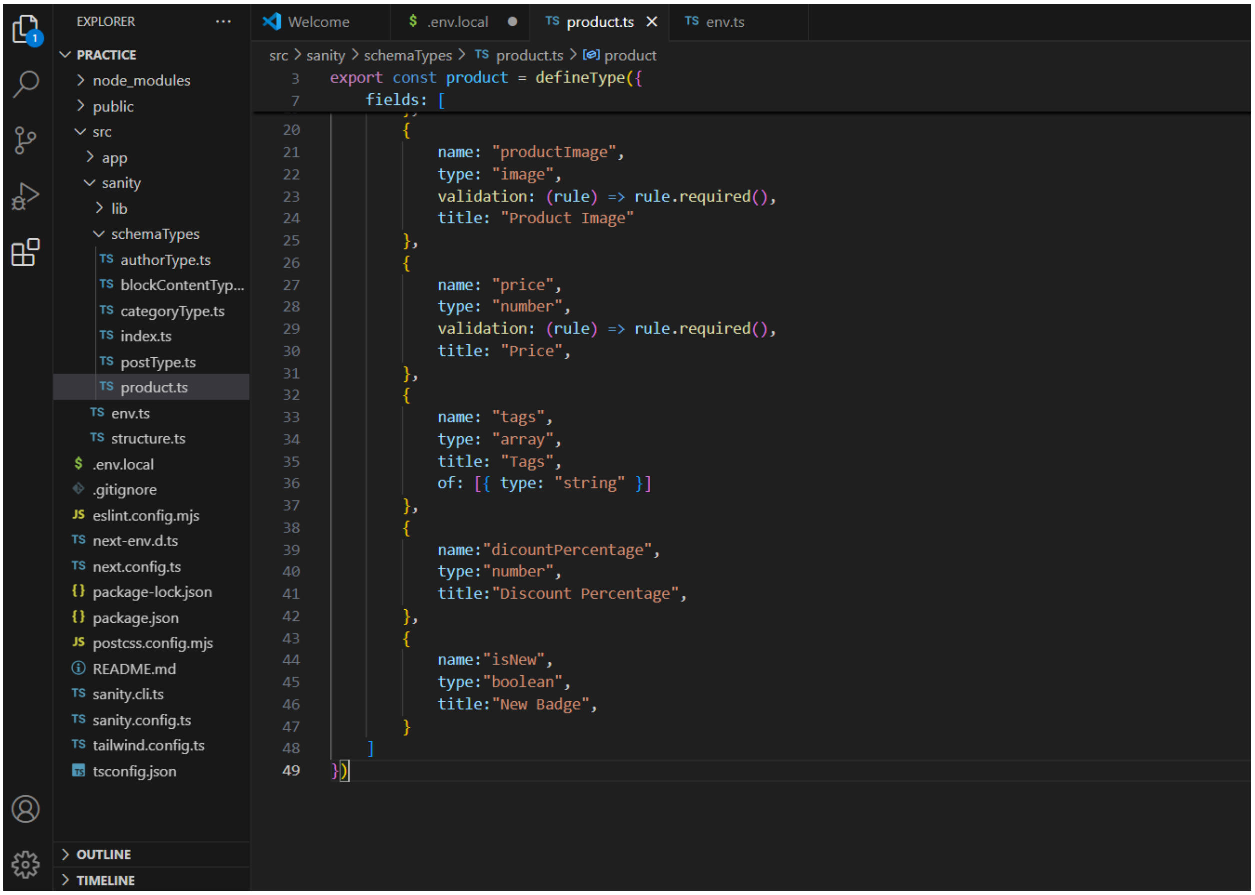
+ Add API token

NAME	PERMISSIONS	CREATED
dayh	Developer	just now

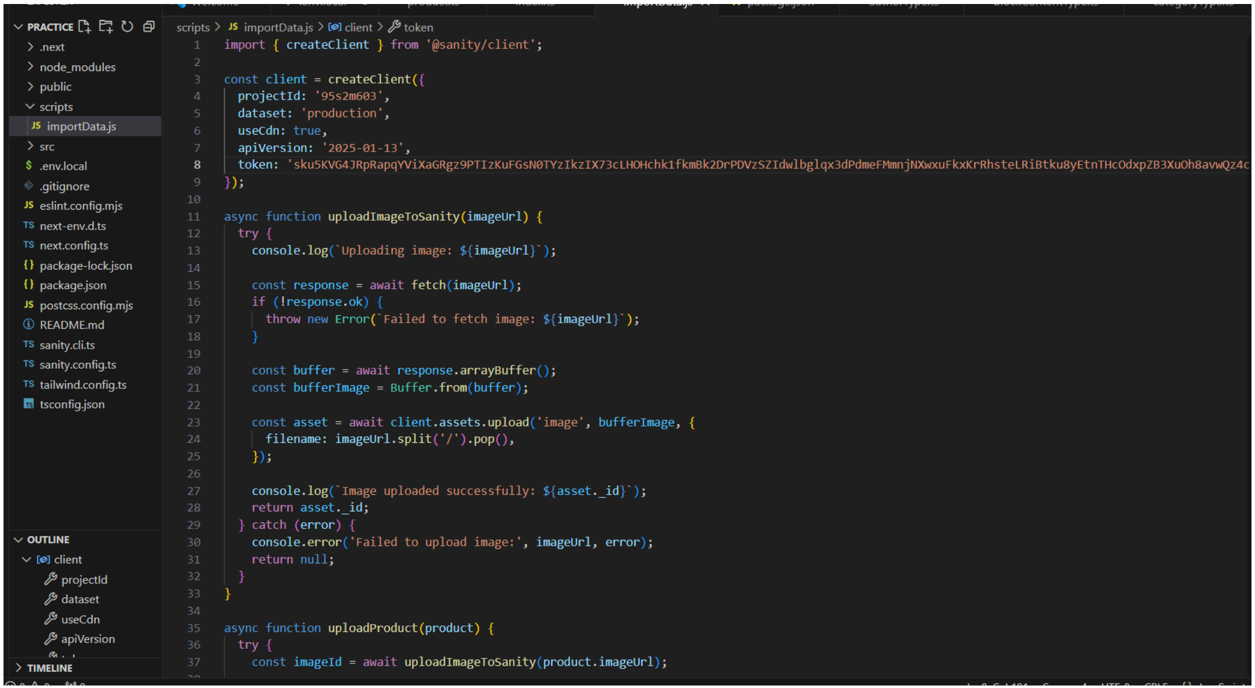
Copy the token below – this is your only chance to do so!

```
sku5KVG4JRpRapqYViXaGRgz9PTIzKuFGsN0TYzIkzIX73cLHOHchk1fkmBk2DrPDVzSZIdwlbglqx3dPdmeFM
mnjNXwxuFkxKrRhsteLRiBtku8yEtnTHcOdxpZB3XuOh8avwQz4cmQ1uVHHk0P56T1sDNdxH62jRh67puh0Deh
Ih47nHHi
```

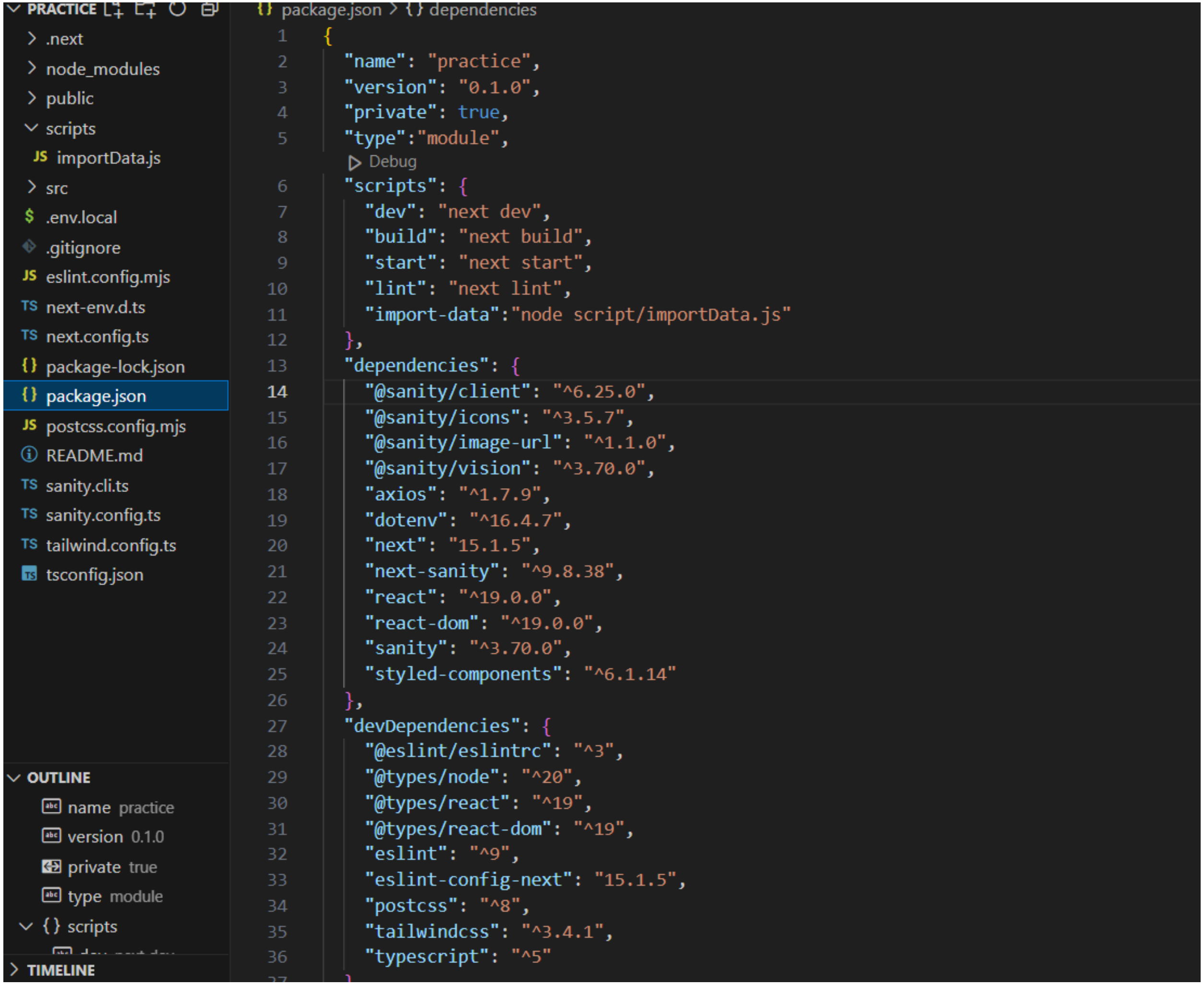
Schema



```
export const product = defineType({
    fields: [
        {
            name: "productImage",
            type: "image",
            validation: (rule) => rule.required(),
            title: "Product Image"
        },
        {
            name: "price",
            type: "number",
            validation: (rule) => rule.required(),
            title: "Price",
        },
        {
            name: "tags",
            type: "array",
            title: "Tags",
            of: [{ type: "string" }]
        },
        {
            name:"dicountPercentage",
            type:"number",
            title:"Discount Percentage",
        },
        {
            name:"isNew",
            type:"boolean",
            title:"New Badge",
        }
    ]
})
```

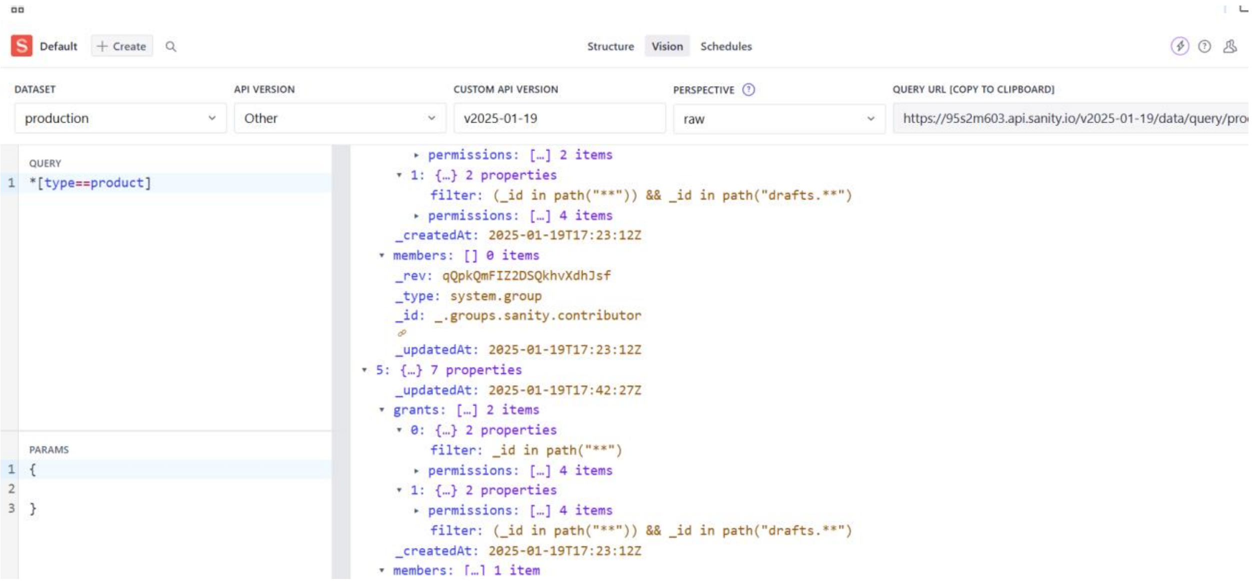


```javascript
import { createClient } from '@sanity/client';

const client = createClient({
  projectId: '95s2m603',
  dataset: 'production',
  useCdn: true,
  apiVersion: '2025-01-13',
  token: 'sku5KVG4JRpRapqYViXaGRgz9PTIzKuFGsN0TYzIkzIX73cLHOHchk1fkmBk2DrPDVzSZIdwlbglqx3dPdmeFMmnjNXwxuFkxKrRhsteLRiBtku8yEtnTHcOdxpZB3XuOh8avwQz4c
});

async function uploadImageToSanity(imageUrl) {
  try {
    console.log(`Uploading image: ${imageUrl}`);

    const response = await fetch(imageUrl);
    if (!response.ok) {
      throw new Error(`Failed to fetch image: ${imageUrl}`);
    }

    const buffer = await response.arrayBuffer();
    const bufferImage = Buffer.from(buffer);

    const asset = await client.assets.upload('image', bufferImage, {
      filename: imageUrl.split('/').pop(),
    });

    console.log(`Image uploaded successfully: ${asset._id}`);
    return asset._id;
  } catch (error) {
    console.error('Failed to upload image:', imageUrl, error);
    return null;
  }
}

async function uploadProduct(product) {
  try {
    const imageId = await uploadImageToSanity(product.imageUrl);
```



```json
{
  "name": "practice",
  "version": "0.1.0",
  "private": true,
  "type":"module",
  "scripts": {
    "dev": "next dev",
    "build": "next build",
    "start": "next start",
    "lint": "next lint",
    "import-data":"node script/importData.js"
  },
  "dependencies": {
    "@sanity/client": "^6.25.0",
    "@sanity/icons": "^3.5.7",
    "@sanity/image-url": "^1.1.0",
    "@sanity/vision": "^3.70.0",
    "axios": "^1.7.9",
    "dotenv": "^16.4.7",
    "next": "15.1.5",
    "next-sanity": "^9.8.38",
    "react": "^19.0.0",
    "react-dom": "^19.0.0",
    "sanity": "^3.70.0",
    "styled-components": "^6.1.14"
  },
  "devDependencies": {
    "@eslint/eslintrc": "^3",
    "@types/node": "^20",
    "@types/react": "^19",
    "@types/react-dom": "^19",
    "eslint": "^9",
    "eslint-config-next": "15.1.5",
    "postcss": "^8",
    "tailwindcss": "^3.4.1",
    "typescript": "^5"
```

Fetching data



DATASET: production

API VERSION: Other

CUSTOM API VERSION: v2025-01-19

PERSPECTIVE: raw

QUERY URL [COPY TO CLIPBOARD]: https://95s2m603.api.sanity.io/v2025-01-19/data/query/pro

QUERY

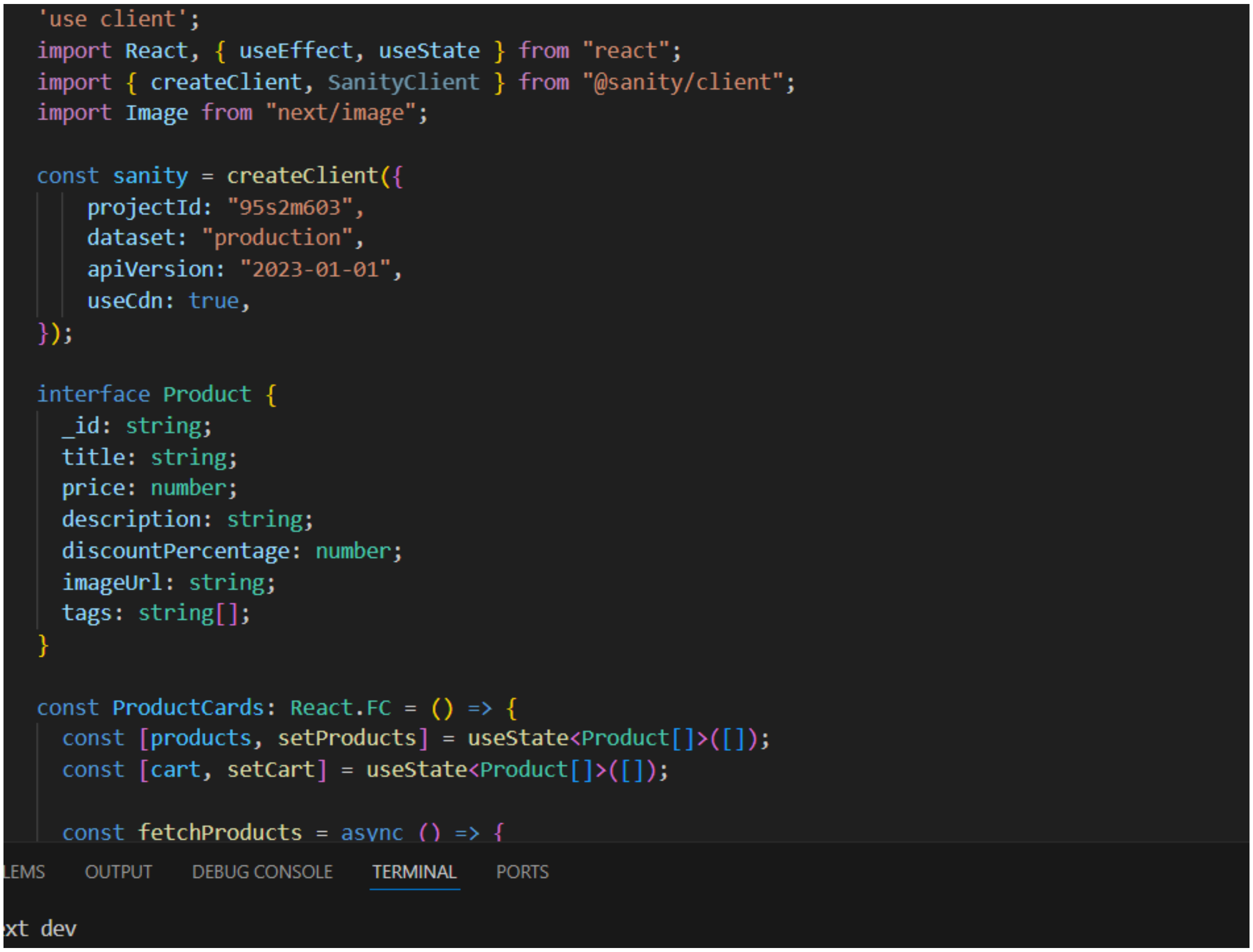
```
*[type==product]
```

PARAMS

```
{

}
```

```
      ▸ permissions: […] 2 items
    ▾ 1: {…} 2 properties
        filter: (_id in path("**")) && _id in path("drafts.**")
      ▸ permissions: […] 4 items
    _createdAt: 2025-01-19T17:23:12Z
  ▾ members: [] 0 items
    _rev: qQpkQmFIZ2DSQkhvXdhJsf
    _type: system.group
    _id: _.groups.sanity.contributor
    _updatedAt: 2025-01-19T17:23:12Z
▾ 5: {…} 7 properties
    _updatedAt: 2025-01-19T17:42:27Z
  ▾ grants: […] 2 items
    ▾ 0: {…} 2 properties
        filter: _id in path("**")
      ▸ permissions: […] 4 items
    ▾ 1: {…} 2 properties
      ▸ permissions: […] 4 items
        filter: (_id in path("**")) && _id in path("drafts.**")
    _createdAt: 2025-01-19T17:23:12Z
  ▾ members: […] 1 item
```

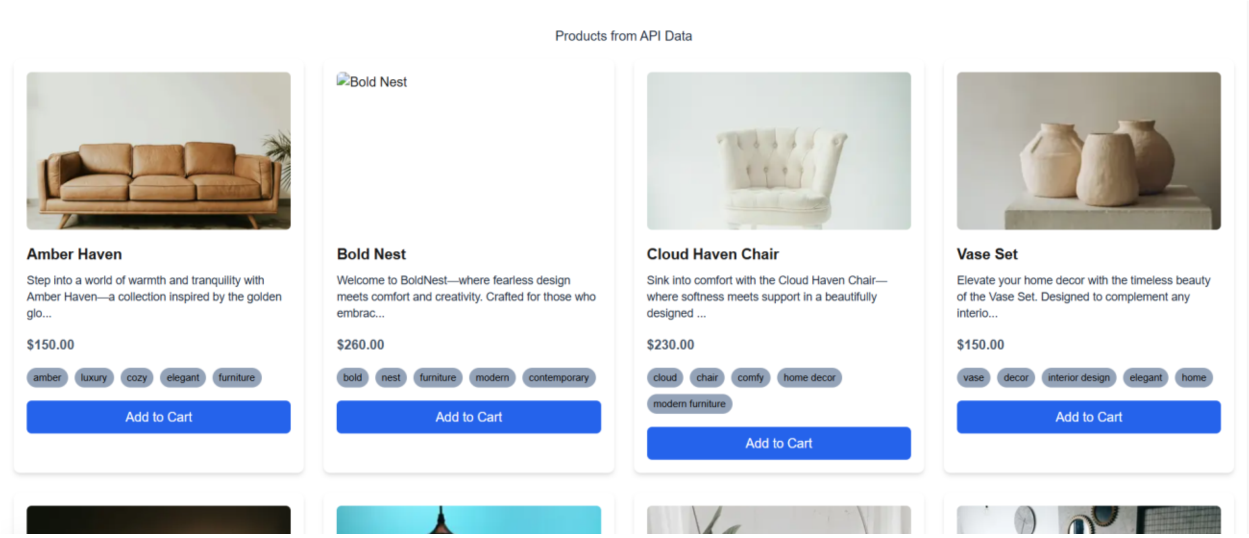
Import on Front End



```
'use client';
import React, { useEffect, useState } from "react";
import { createClient, SanityClient } from "@sanity/client";
import Image from "next/image";

const sanity = createClient({
    projectId: "95s2m603",
    dataset: "production",
    apiVersion: "2023-01-01",
    useCdn: true,
});

interface Product {
  _id: string;
  title: string;
  price: number;
  description: string;
  discountPercentage: number;
  imageUrl: string;
  tags: string[];
}

const ProductCards: React.FC = () => {
  const [products, setProducts] = useState<Product[]>([]);
  const [cart, setCart] = useState<Product[]>([]);

  const fetchProducts = async () => {
```

```
xt dev
```

Product List



Products from API Data

Amber Haven

Step into a world of warmth and tranquility with Amber Haven—a collection inspired by the golden glo...

$150.00

Bold Nest

Welcome to BoldNest—where fearless design meets comfort and creativity. Crafted for those who embrac...

$260.00

Cloud Haven Chair

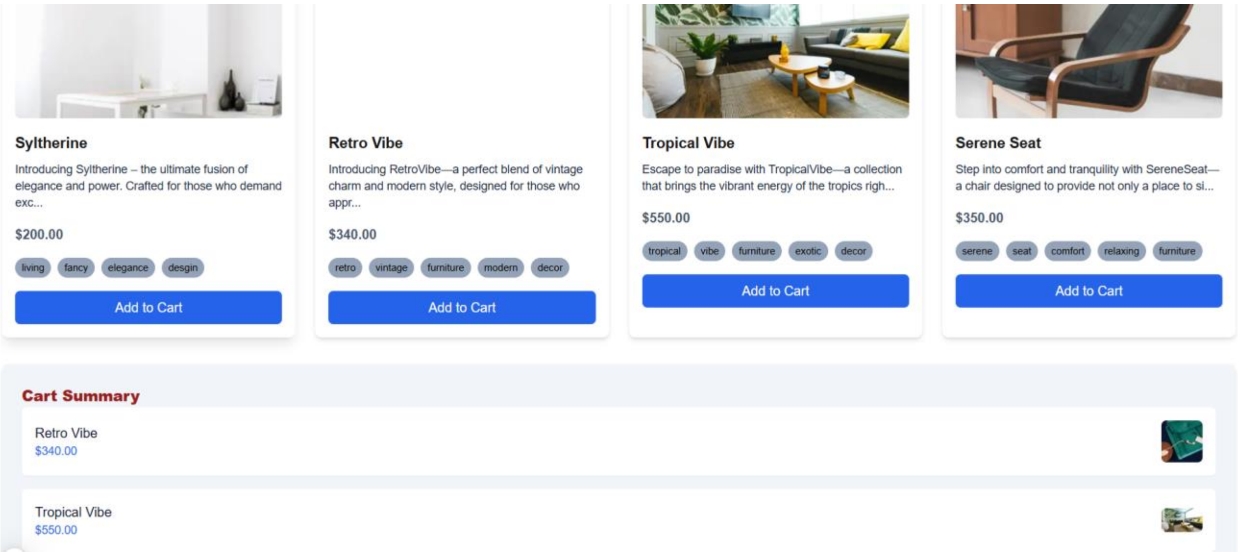
Sink into comfort with the Cloud Haven Chair—where softness meets support in a beautifully designed ...

$230.00

Vase Set

Elevate your home decor with the timeless beauty of the Vase Set. Designed to complement any interio...

$150.00



Syltherine

Introducing Syltherine – the ultimate fusion of elegance and power. Crafted for those who demand exc...

$200.00

Retro Vibe

Introducing RetroVibe—a perfect blend of vintage charm and modern style, designed for those who appr...

$340.00

Tropical Vibe

Escape to paradise with TropicalVibe—a collection that brings the vibrant energy of the tropics righ...

$550.00

Serene Seat

Step into comfort and tranquility with SereneSeat—a chair designed to provide not only a place to si...

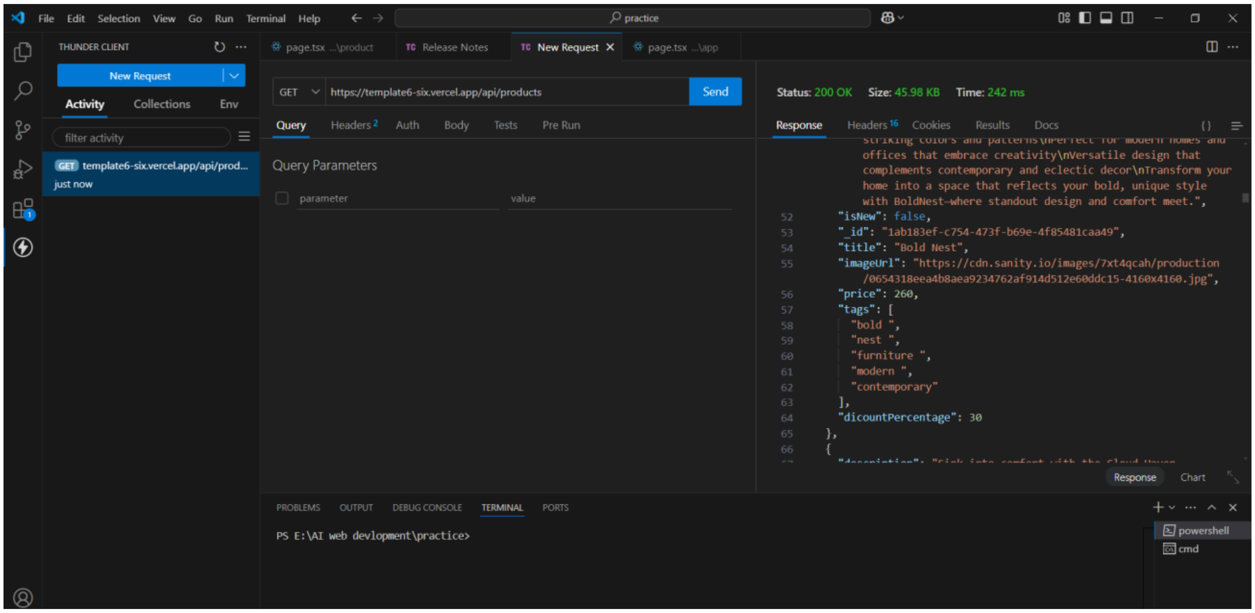
$350.00

Cart Summary

Retro Vibe
$340.00

Tropical Vibe
$550.00

API status



GET template6-six.vercel.app/api/prod...
just now

GET https://template6-six.vercel.app/api/products Send

Status: 200 OK Size: 45.98 KB Time: 242 ms

```
            striking colors and patterns\nPerfect for modern homes and
            offices that embrace creativity\nVersatile design that
            complements contemporary and eclectic decor\nTransform your
            home into a space that reflects your bold, unique style
            with BoldNest—where standout design and comfort meet.",
        "isNew": false,
        "_id": "1ab183ef-c754-473f-b69e-4f85481caa49",
        "title": "Bold Nest",
        "imageUrl": "https://cdn.sanity.io/images/7xt4qcah/production
            /0654318eea4b8aea9234762af914d512e60ddc15-4160x4160.jpg",
        "price": 260,
        "tags": [
          "bold ",
          "nest ",
          "furniture ",
          "modern ",
          "contemporary"
        ],
        "dicountPercentage": 30
      },
      {
        "description": "Sink into comfort with the Cloud Haven
```

```
PS E:\AI web devlopment\practice>
```

Test Case ID	Test Case Description	Test Steps	Expected Result	Actual Result	Status	Severity Level	Assigned To		Remarks
2	TC001	Validate product listing page	Open product page > Verify products	Products displayed correctly	Products displayed correctly	Passed	Low	-	No issues found
3	TC002	Test API error handling	Disconnect API > Refresh page	Show fallback UI with error message	Error message shown	Passed	Medium	-	Handled gracefully
4	TC003	Check cart functionality	Add product to cart > Verify cart contents	Cart updates with added product	Cart updates as expected	Passed	High	-	Works as expected
5	TC004	Ensure responsiveness on mobile	Resize browser window > Check layout	Layout adjusts properly to screen size	Responsive layout working as intended	Passed	Medium	-	Test successful

Performance optimization

http://localhost:3000/

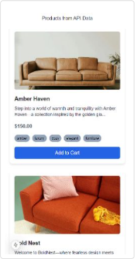
40	100	100	100
Performance	Accessibility	Best Practices	SEO

40

Performance

Values are estimated and may vary. The performance score is calculated directly from these metrics. See calculator.

▲ 0–49 ■ 50–89 ● 90–100



Products from API Data

Amber Haven

Step into a world of warmth and tranquility with Amber Haven - a collection inspired by the golden glo...

$150.00

amber luxury cozy elegant furniture

Add to Cart

old Nest

Welcome to BoldNest—where fearless design meets

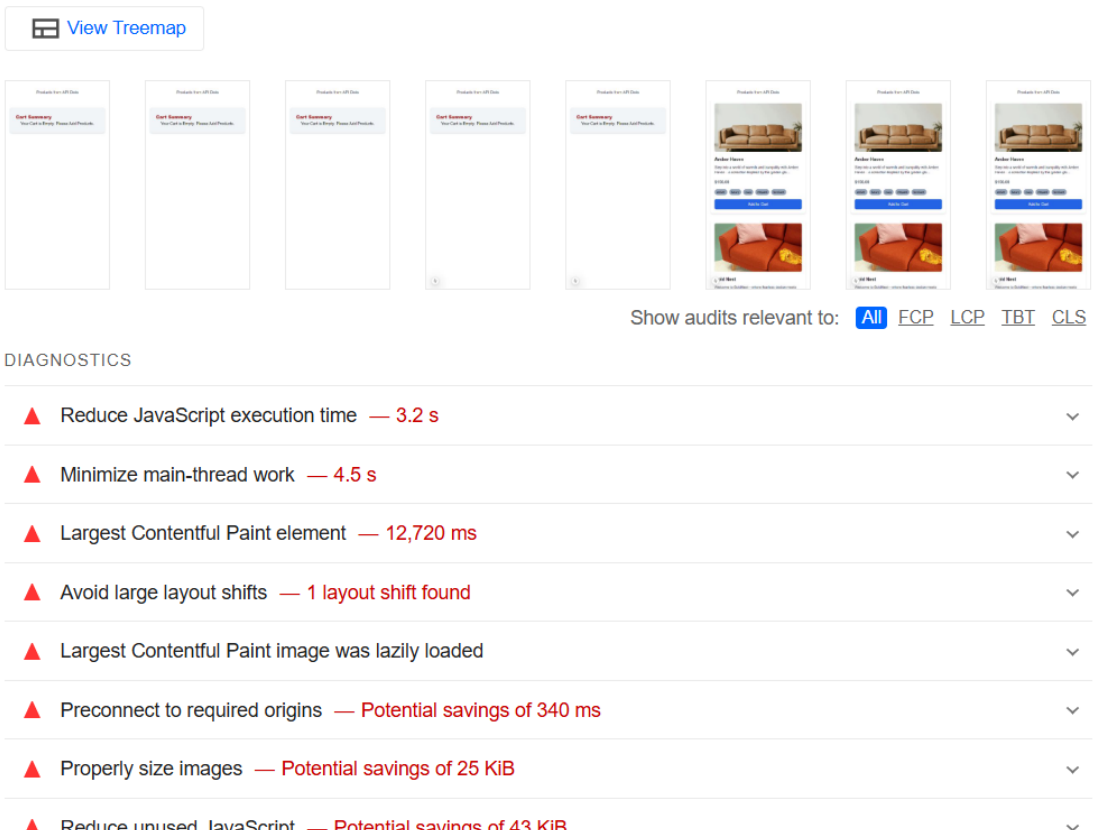
METRICS Expand view

● First Contentful Paint
0.8 s

▲ Largest Contentful Paint
12.7 s

▲ Total Blocking Time
2,630 ms

■ Cumulative Layout Shift
0.138



Show audits relevant to: All FCP LCP TBT CLS

DIAGNOSTICS

▲ Reduce JavaScript execution time — 3.2 s

▲ Minimize main-thread work — 4.5 s

▲ Largest Contentful Paint element — 12,720 ms

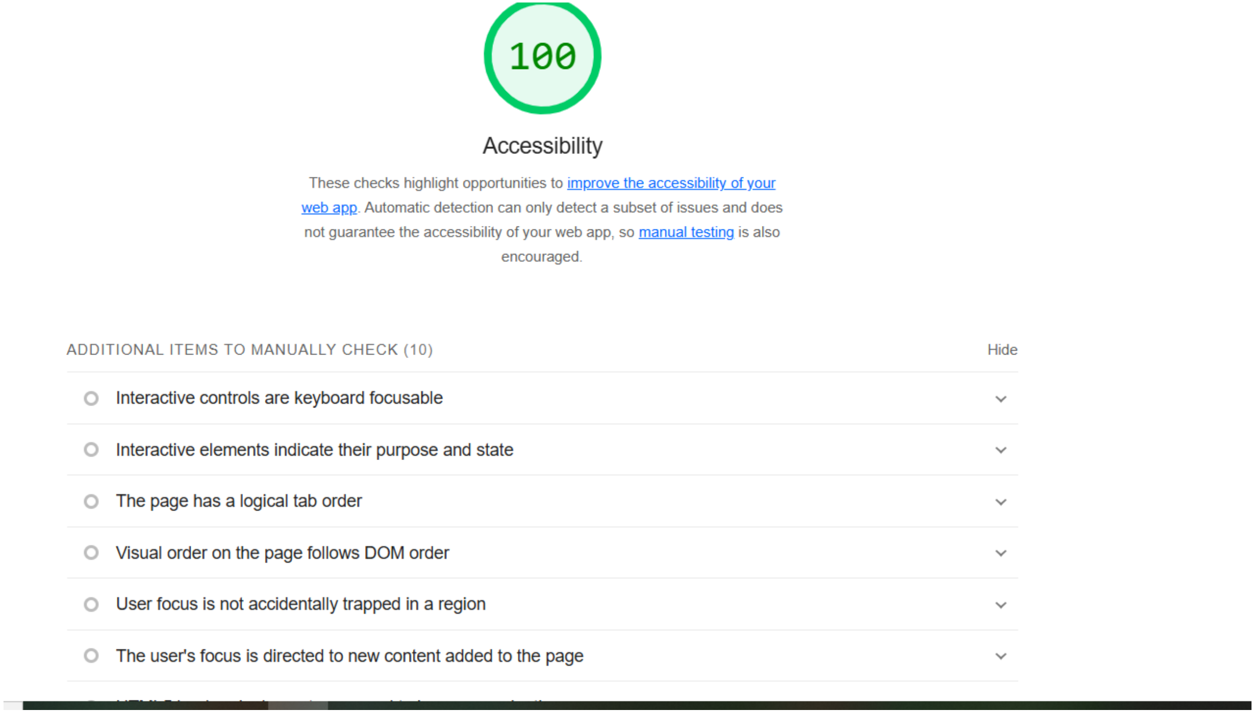
▲ Avoid large layout shifts — 1 layout shift found

▲ Largest Contentful Paint image was lazily loaded

▲ Preconnect to required origins — Potential savings of 340 ms

▲ Properly size images — Potential savings of 25 KiB

▲ Reduce unused JavaScript — Potential savings of 43 KiB



Accessibility

These checks highlight opportunities to improve the accessibility of your web app. Automatic detection can only detect a subset of issues and does not guarantee the accessibility of your web app, so manual testing is also encouraged.

ADDITIONAL ITEMS TO MANUALLY CHECK (10) Hide

○ Interactive controls are keyboard focusable

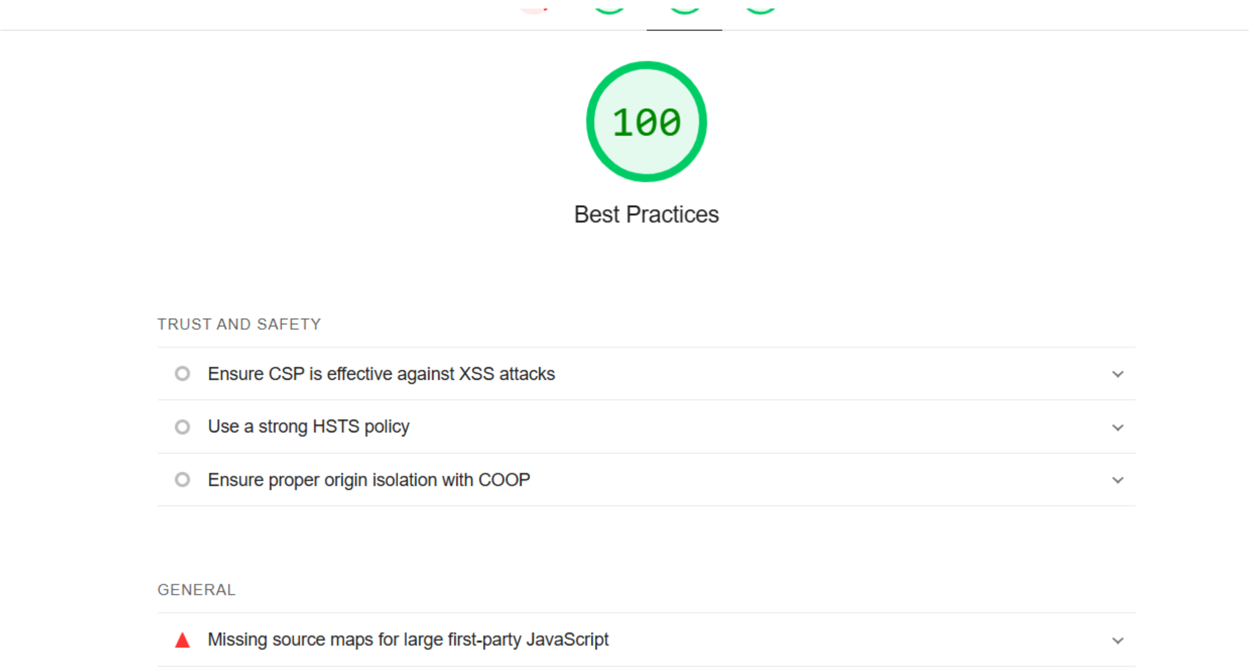
○ Interactive elements indicate their purpose and state

○ The page has a logical tab order

○ Visual order on the page follows DOM order

○ User focus is not accidentally trapped in a region

○ The user's focus is directed to new content added to the page



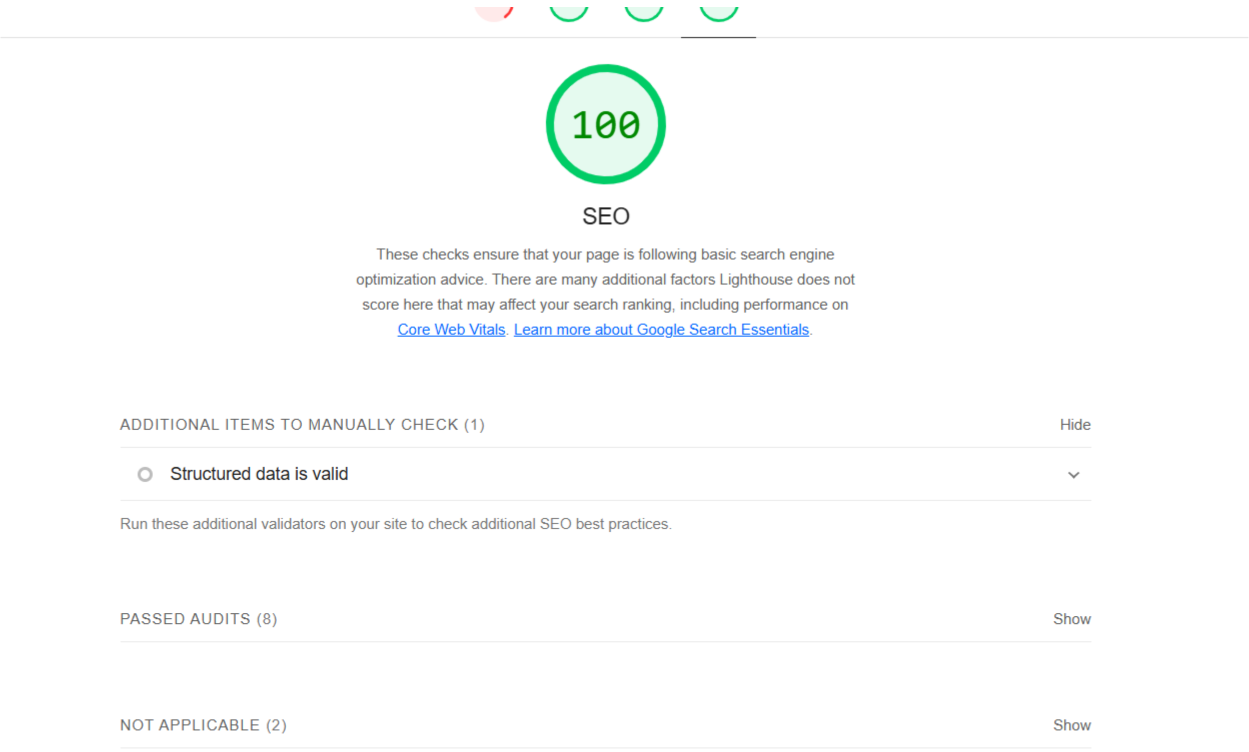
Best Practices

TRUST AND SAFETY

- ○ Ensure CSP is effective against XSS attacks
- ○ Use a strong HSTS policy
- ○ Ensure proper origin isolation with COOP

GENERAL

- ▲ Missing source maps for large first-party JavaScript



SEO

These checks ensure that your page is following basic search engine optimization advice. There are many additional factors Lighthouse does not score here that may affect your search ranking, including performance on Core Web Vitals. Learn more about Google Search Essentials.

ADDITIONAL ITEMS TO MANUALLY CHECK (1) Hide

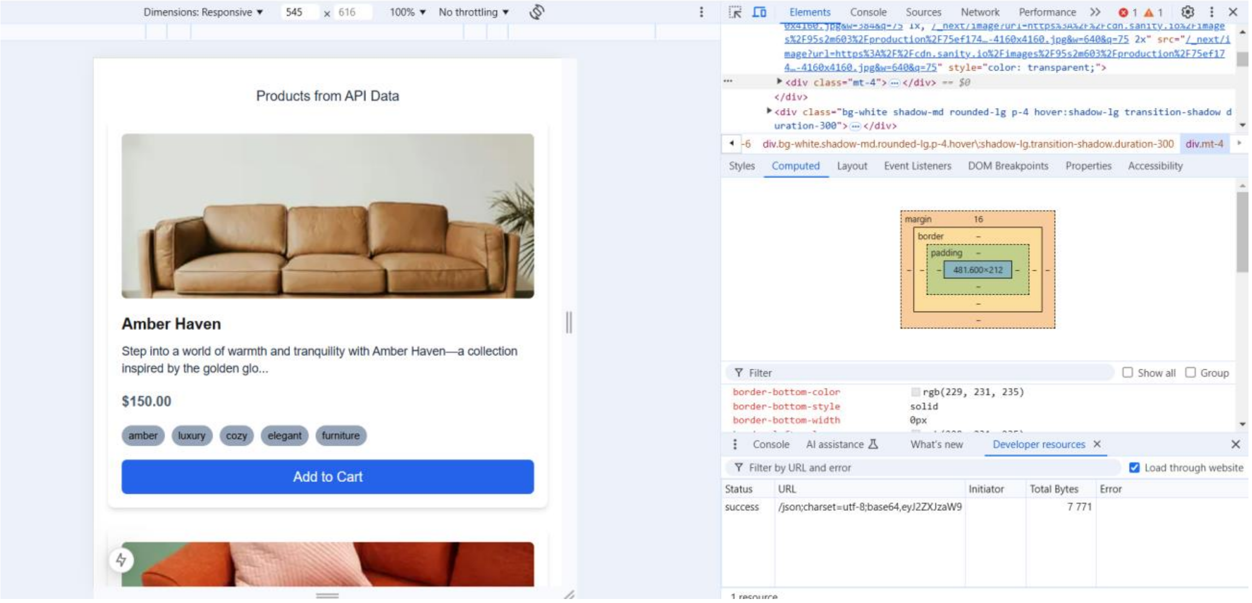
- ○ Structured data is valid

Run these additional validators on your site to check additional SEO best practices.

PASSED AUDITS (8) Show

NOT APPLICABLE (2) Show

Developer resources



Products from API Data

Amber Haven

Step into a world of warmth and tranquility with Amber Haven—a collection inspired by the golden glo...

$150.00

amber luxury cozy elegant furniture

Add to Cart

```
0x4160.jpg&w=384&q=75 1x, /_next/image?url=https%3A%2F%2Fcdn.sanity.io%2Fimage
s%2F95s2m603%2Fproduction%2F75ef174…-4160x4160.jpg&w=640&q=75 2x" src="/_next/i
mage?url=https%3A%2F%2Fcdn.sanity.io%2Fimages%2F95s2m603%2Fproduction%2F75ef17
4…-4160x4160.jpg&w=640&q=75" style="color: transparent;">
      ▶<div class="mt-4"> ··· </div> == $0
    </div>
  ▶<div class="bg-white shadow-md rounded-lg p-4 hover:shadow-lg transition-shadow d
    uration-300"> ··· </div>
```

-6 div.bg-white.shadow-md.rounded-lg.p-4.hover\:shadow-lg.transition-shadow.duration-300 div.mt-4

□ Show all □ Group

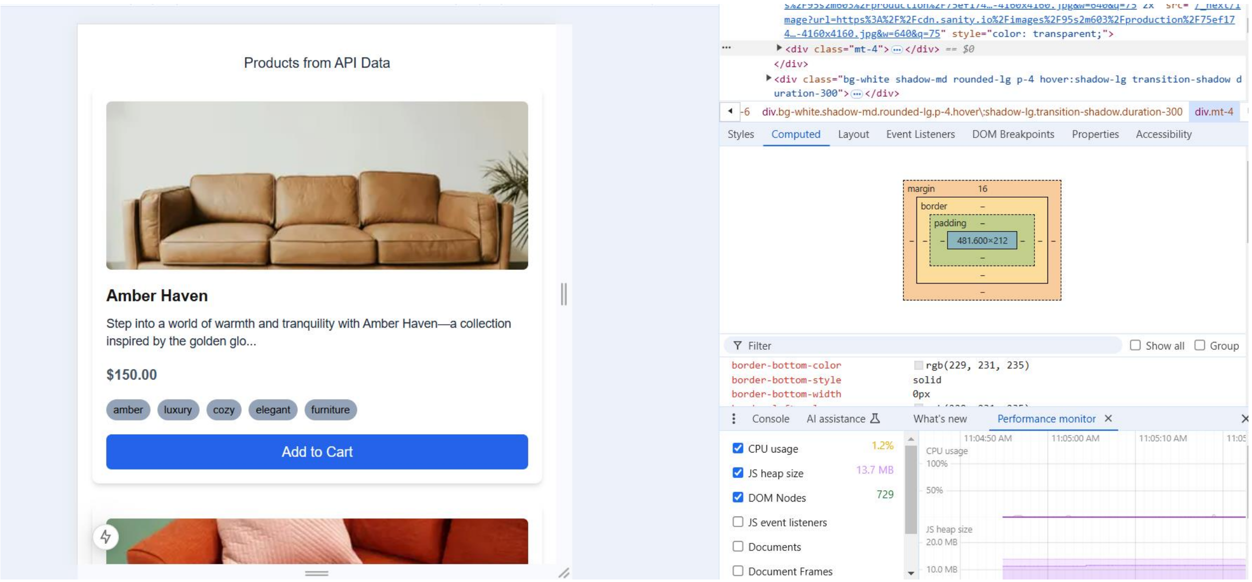
```
border-bottom-color      rgb(229, 231, 235)
border-bottom-style      solid
border-bottom-width      0px
```

Filter by URL and error ☑ Load through website

Status	URL	Initiator	Total Bytes	Error
success	/json;charset=utf-8;base64,eyJ2ZXJzaW9		7 771	

1 resource

Performance Monitor



Products from API Data

Amber Haven

Step into a world of warmth and tranquility with Amber Haven—a collection inspired by the golden glo...

$150.00

amber luxury cozy elegant furniture

Add to Cart

```
s%2F95s2m603%2Fproduction%2F75ef174…-4160x4160.jpg&w=640&q=75 2x" src="/_next/i
mage?url=https%3A%2F%2Fcdn.sanity.io%2Fimages%2F95s2m603%2Fproduction%2F75ef17
4…-4160x4160.jpg&w=640&q=75" style="color: transparent;">
      ▶<div class="mt-4"> ··· </div> == $0
    </div>
  ▶<div class="bg-white shadow-md rounded-lg p-4 hover:shadow-lg transition-shadow d
    uration-300"> ··· </div>
```

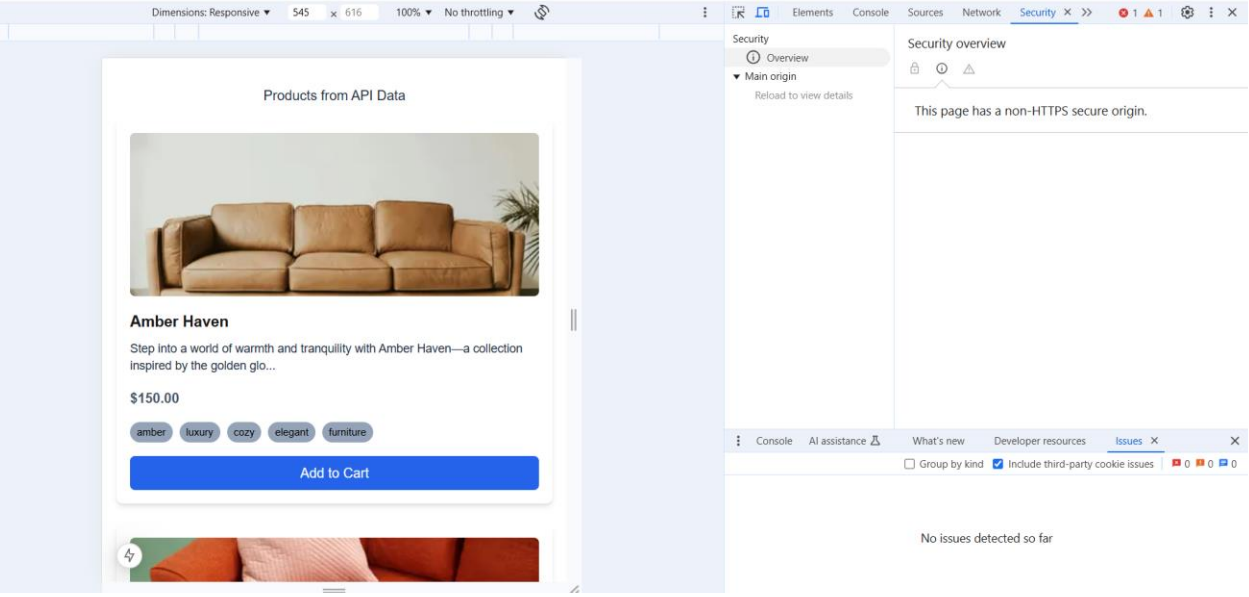
-6 div.bg-white.shadow-md.rounded-lg.p-4.hover\:shadow-lg.transition-shadow.duration-300 div.mt-4

□ Show all □ Group

```
border-bottom-color      rgb(229, 231, 235)
border-bottom-style      solid
border-bottom-width      0px
```

☑ CPU usage 1.2%
☑ JS heap size 13.7 MB
☑ DOM Nodes 729
□ JS event listeners
□ Documents
□ Document Frames

Security overview



Products from API Data

Amber Haven

Step into a world of warmth and tranquility with Amber Haven—a collection inspired by the golden glo...

$150.00

amber luxury cozy elegant furniture

Add to Cart

Security overview

This page has a non-HTTPS secure origin.

No issues detected so far