

DAY 5 - TESTING, ERROR HANDLING AND BACKEND INTEGRATION REFINEMENT

Today, I worked on preparing the website ready for the marketplace by addressing all of the mistakes. Problems were managed and detected efficiently using best practices. By using functionality testing, responsive design, and API integration, I ensure that the user will a positive experience.

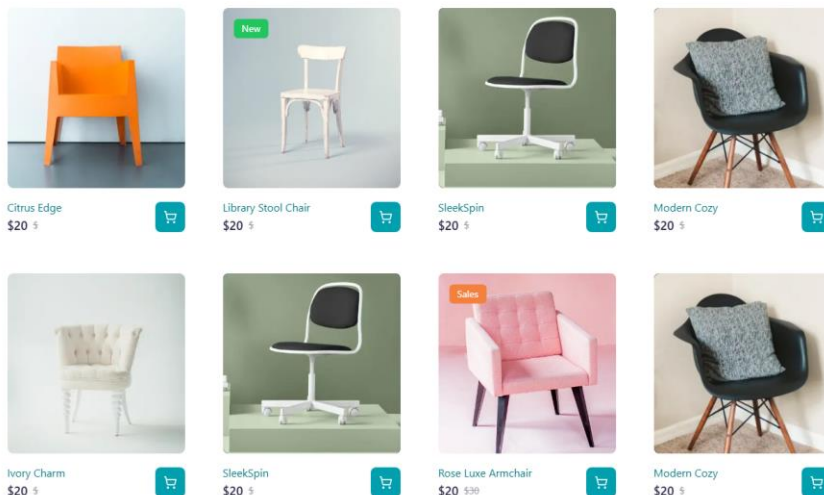
1. Functionality Testing:

❖ Ensuring all the components works efficiently, including

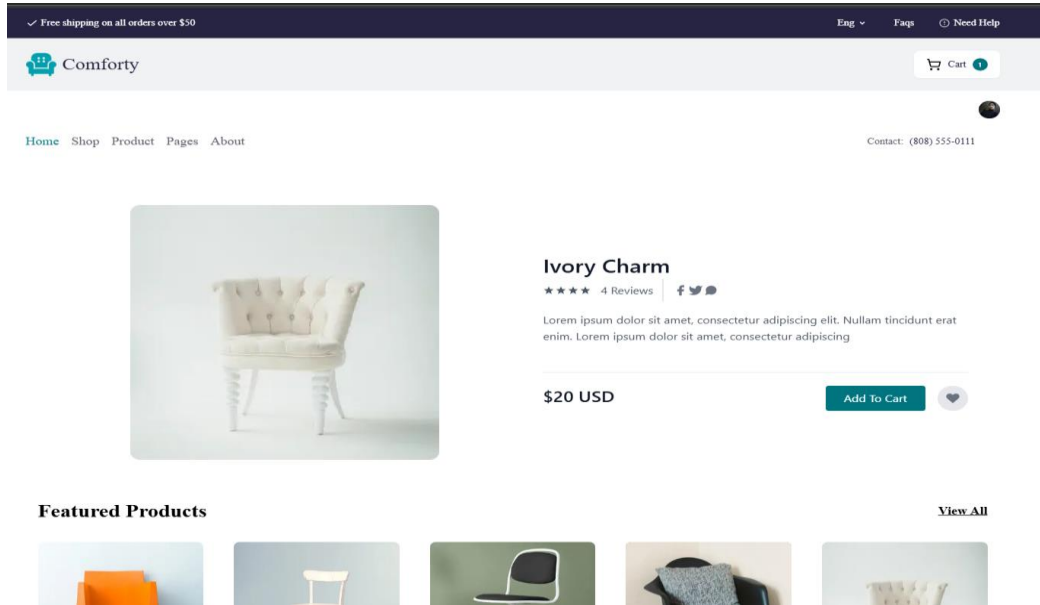
1. Product Listing
2. Dynamic Routing
3. Profile Management
4. Cart Functionality
5. Checkout Functionality
6. Category Checking

Product Listing:

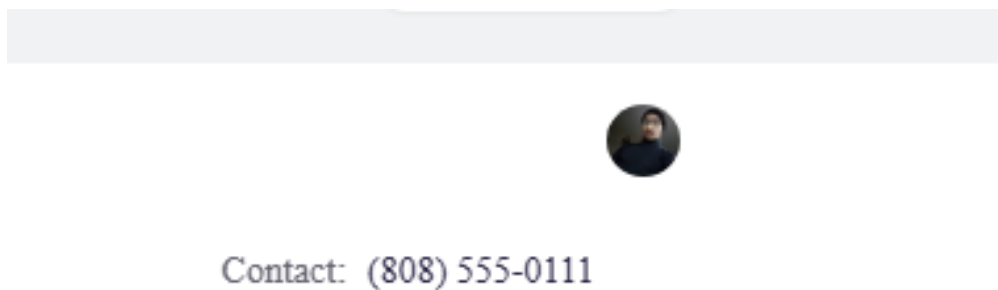
All Products



Detailed Page (Dynamic Routing):





Profile Management:




Cart Functionality:

✓ Free shipping on all orders over \$50

Eng  [Faq](#) [Need Help?](#)

 Comforty

 Cart 0

[Home](#) [Shop](#) [Product](#) [Pages](#) [About](#)

Contact: (808) 555-0111

Your Cart



Modern Cozy
Price: \$20 | Quantity: 3

Delete



Ivory Charm
Price: \$20 | Quantity: 2

Delete



SleekSpin
Price: \$20 | Quantity: 2

Delete

Total: \$140

Check Out

Checkout Functionality:

Place Order

Name

Enter full name

Phone

Enter phone number

Address Line 1

Enter address line 1

Address Line 2

Enter address line 2

City

Enter city

State

Enter state


Postal Code

Enter postal code


Country Code

Enter country code


Residential Address

Yes 


Cart Items



Modern Cozy
Price: \$20 | Quantity: 3




Ivory Charm
Price: \$20 | Quantity: 2



SleekSpin
Price: \$20 | Quantity: 2

Place Order

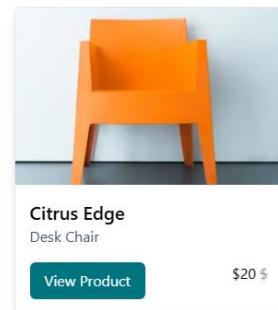
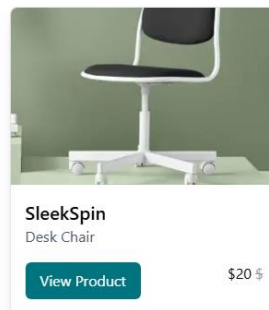
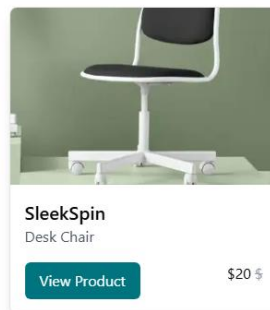
Go Back to Shop 

Category Checking:

Top categories



Products in Category: Desk Chair



3.Error Handling:

- Handled error, by applying best practices.
- Used try catch block for effectively manage errors and display messages in place.
- With the help of useEffect, fetching data in a client component. The useEffect hook is a great way to handle side effects, such as fetching data, in React functional components.

```

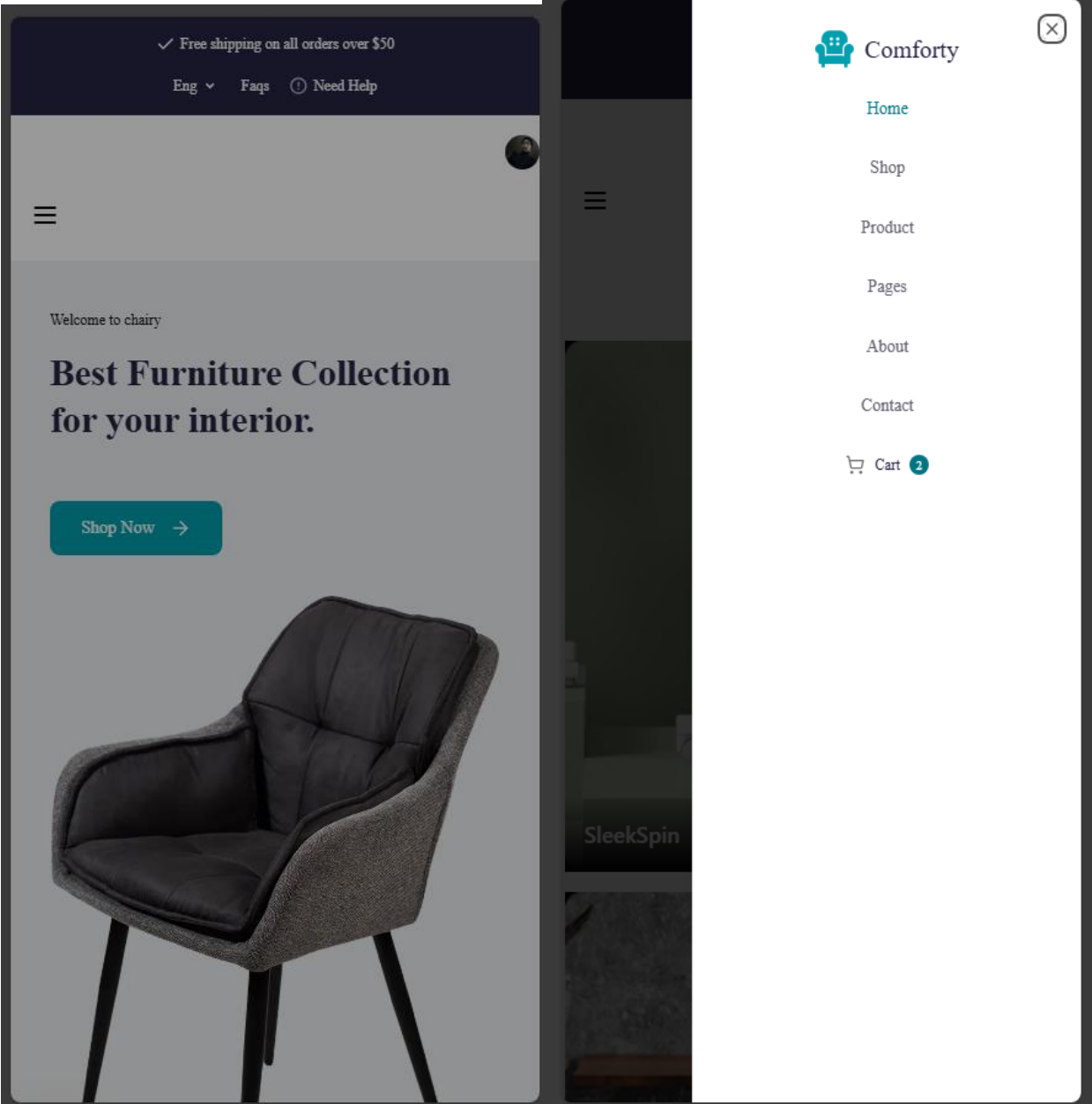
1  "use client"
2  import Image from "next/image";
3  import { client } from "@sanity/lib/client";
4  import Link from "next/link";
5  import { useEffect, useState } from "react";
6
7  // Define the shape of the fetched gallery data
8  interface IGalleryData {
9    _id: string;
10   imageUrl: string;
11   title: string;
12   slug: string;
13 }
14
15 const PopularStyles = () => {
16   const [galleryData, setGalleryData] = useState<IGalleryData[]>([]);
17
18   useEffect(() => {
19     const fetchGalleryData = async () => {
20       const data: IGalleryData[] = await client.fetch(
21         `*[_type == "products" && "gallery" in tags]{
22           _id,
23           "imageUrl": image.asset->url,
24           title,
25           "slug": slug.current
26         }`
27       );
28       setGalleryData(data);
29     };
30
31     fetchGalleryData();
32   }, []);
33

```

- Also, used props for data transferring and ensuring main page will be server side rendered.

2. Responsive Design:

Ensured all the pages has been highly responsive.





Featured Products



Ivory Charm
\$20 ⁵



✓ Free shipping on all orders over \$50

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Your Cart



Modern Cozy

Price: \$20 | Quantity: 3

Delete



Ivory Charm

Price: \$20 | Quantity: 2

Delete



SleekSpin

Price: \$20 | Quantity: 2

Delete

Total: \$140

Check Out



Comforty

☰

Your name

Abc

Email address

Abc@def.com


Subject

This is an optional

Message


Hi! i'd like to ask about

Submit




High Quality

crafted from top materials



Warranty Protection

Over 2 years



24 / 7 Support

Dedicated support

✓ Free shipping on all orders over \$50

Eng ▾ Faqs ⓘ Need Help

☰

Place Order

Name

Enter full name

Phone

Enter phone number

Address Line 1

Enter address line 1

Address Line 2

Enter address line 2

City

Enter city

State

Enter state

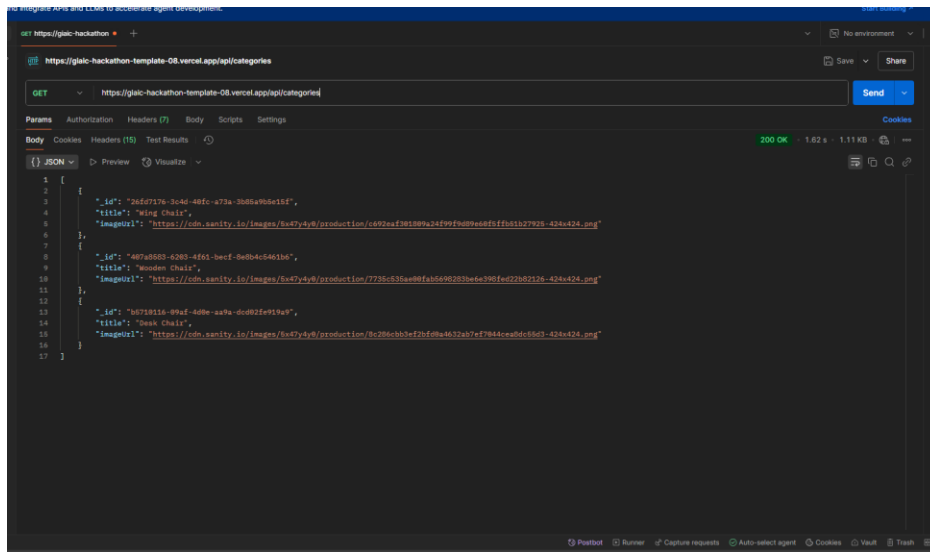
Postal Code

Enter postal code

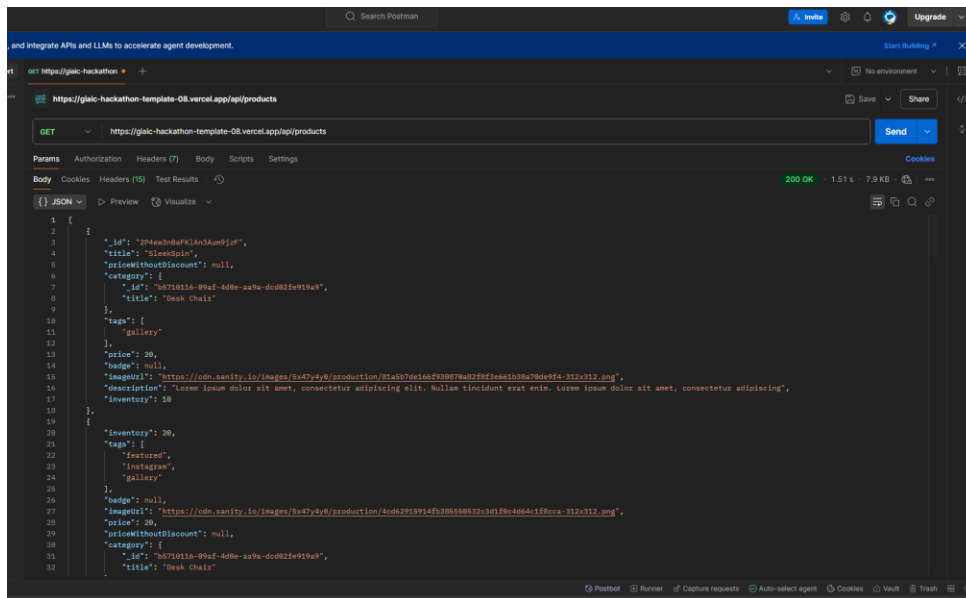
3.API Testing:

Testing the Api with their endpoints,

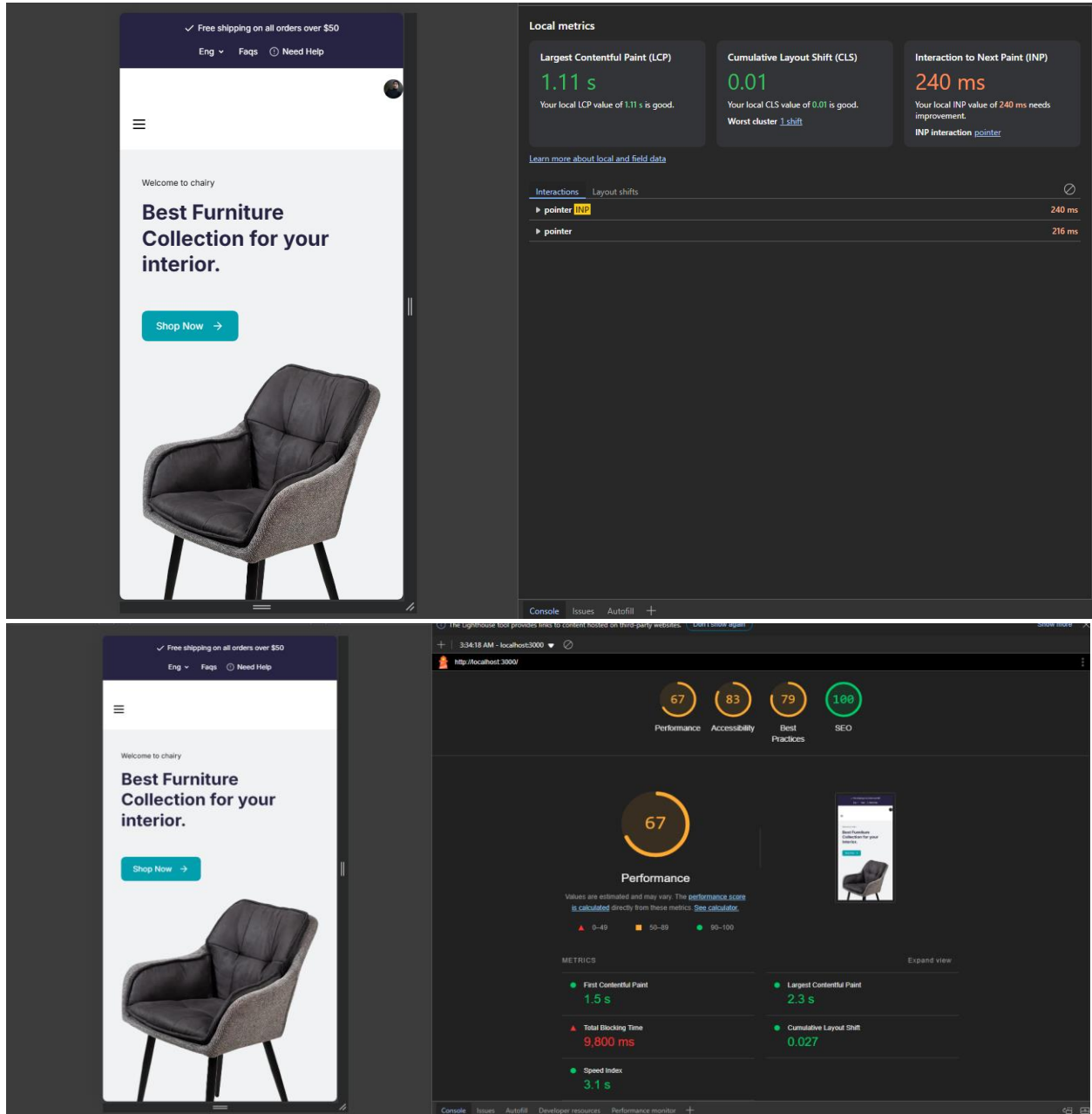
<https://giaic-hackathon-template-08.vercel.app/api/categories>

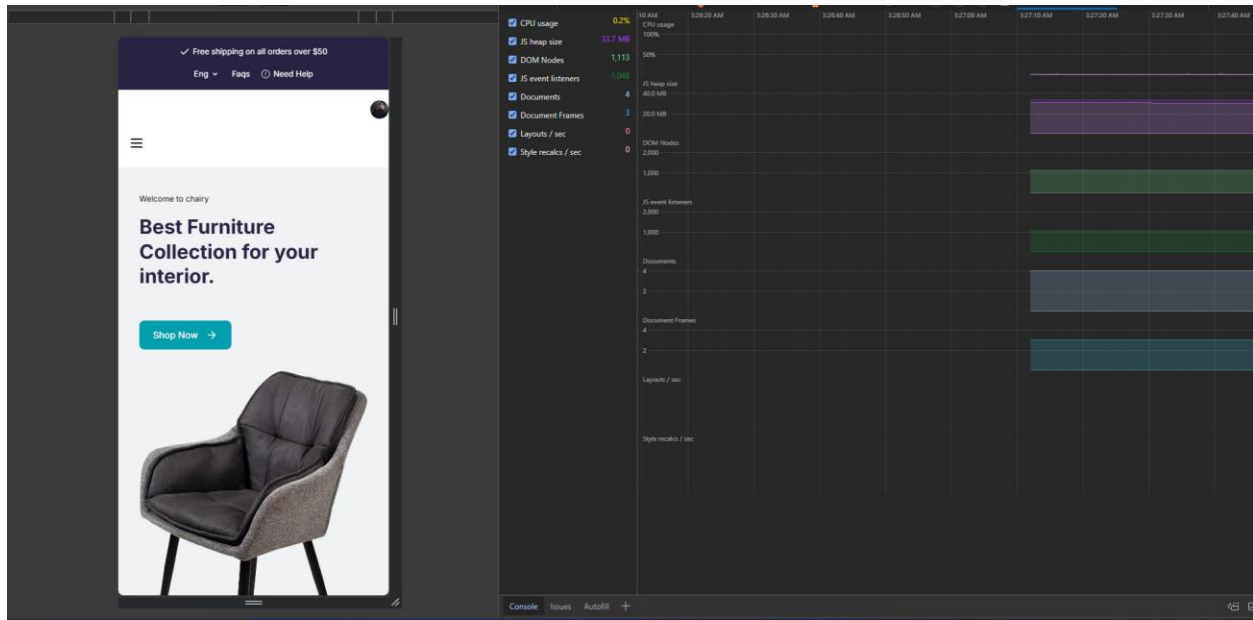


<https://giaic-hackathon-template-08.vercel.app/api/products>

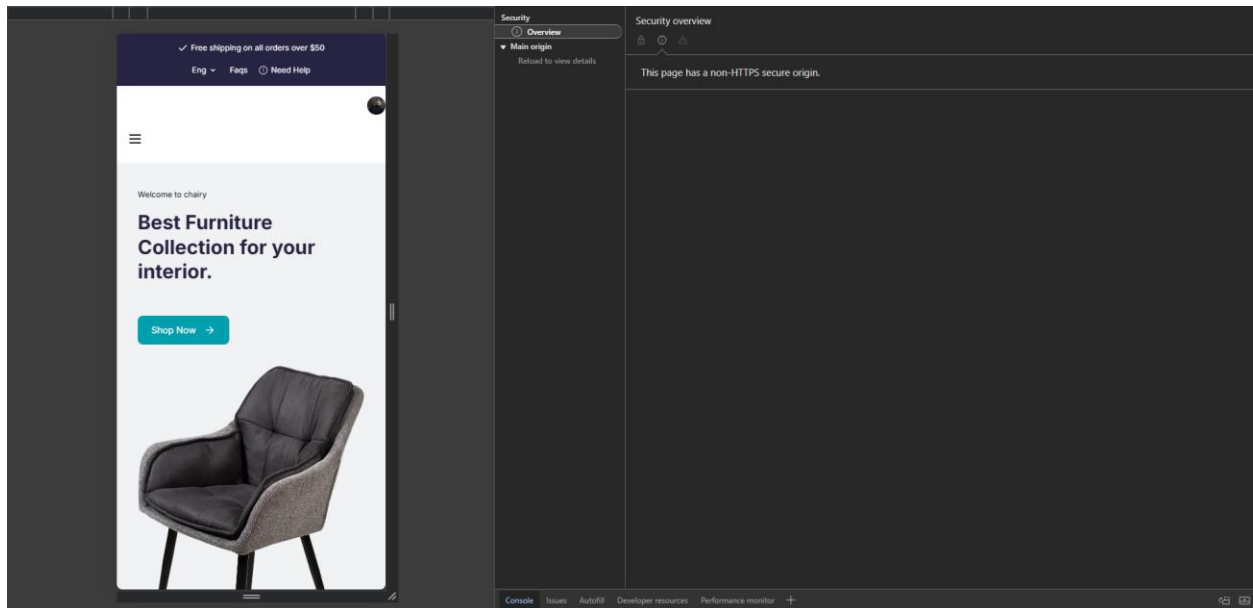


4. Performance Optimization:





5.Security:



6. Cross Browser Testing:

Tested on

- Chrome
- Opera
- Edge

Results a positive outcome.