

HACKATHON 3

DAY 1 : Laying the Foundation for Your Marketplace Journey

- **Marketplace Type:**

My marketplace type is General E-commerce.

Purpose: my e-commerce marketplace allows customers to virtually view products, enabling anyone to browse and purchase them online.

- **Business Goals:**

People may have limited furniture stores in their area, forcing them to travel far.

We aim to provide them with the convince of shopping from home.

Due to limited furniture stores, customers may have restricted options. We will provide wide range of varieties.

We are offer customization options to cater to their specific needs.

- **Target Audience:**

25+ year peoples

Event Organizers, Wedding planners and providing catering services.

- **Products:**

I will be offering furniture products like Sofas, Chairs, and Stools.

- **Marketplace Apart:**

I wil offer my customers a delivery time of 3-5 days.

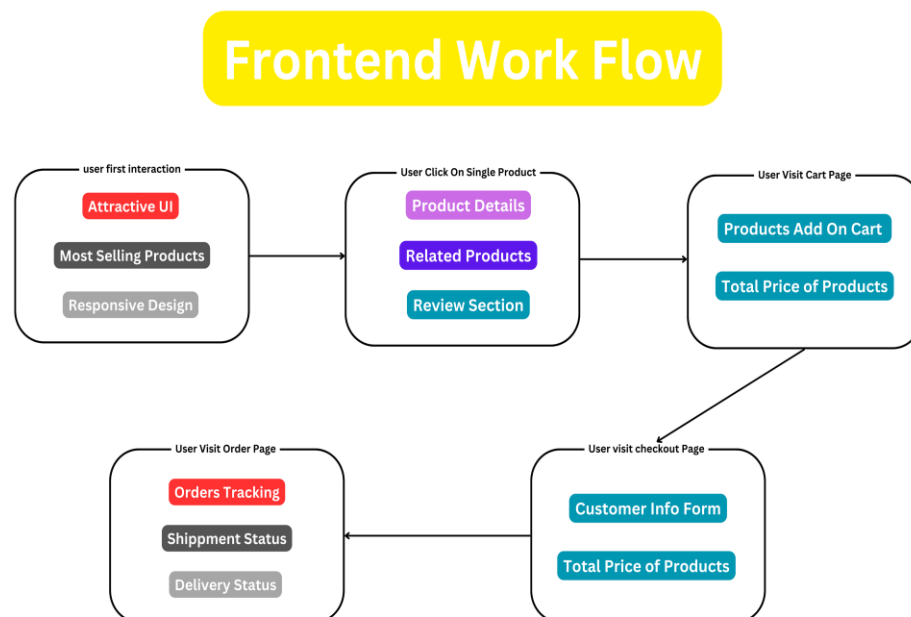
I will provide High-quality products at affordable prices.

DAY 2 : Planning The Technical Foundation

○ Frontend Workflow:

UI & UX Design: Next JS (Design Structure), Tailwind CSS(Designing and Styling UI), Figma (Design UI & UX), React Hooks(State Management).

Pages: Home, About, Contact, Category, Product, Product Detail, Cart, Checkout, FAQs.



○ Sanity CMS:

1. **Product Schema** (Manage Product Data)
2. **Category Schema** (Manage Category Data)
3. **Customer Schema** (Manage Customer Data)
4. **Order Schema** (Manage Order Data to the Customer)
5. **Contact Form Schema** (Manage Contact Info Data)

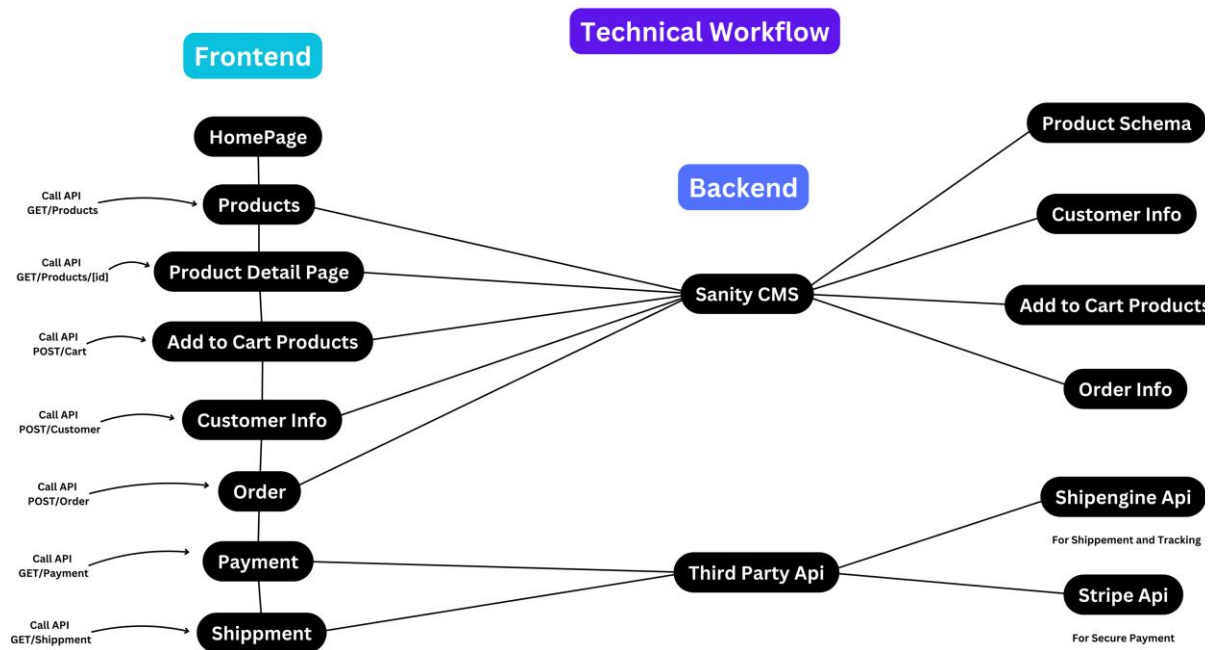
○ Third-Party APIs:

1. Payment :

Stripe API Payment secure and trusted

2. Shippment :

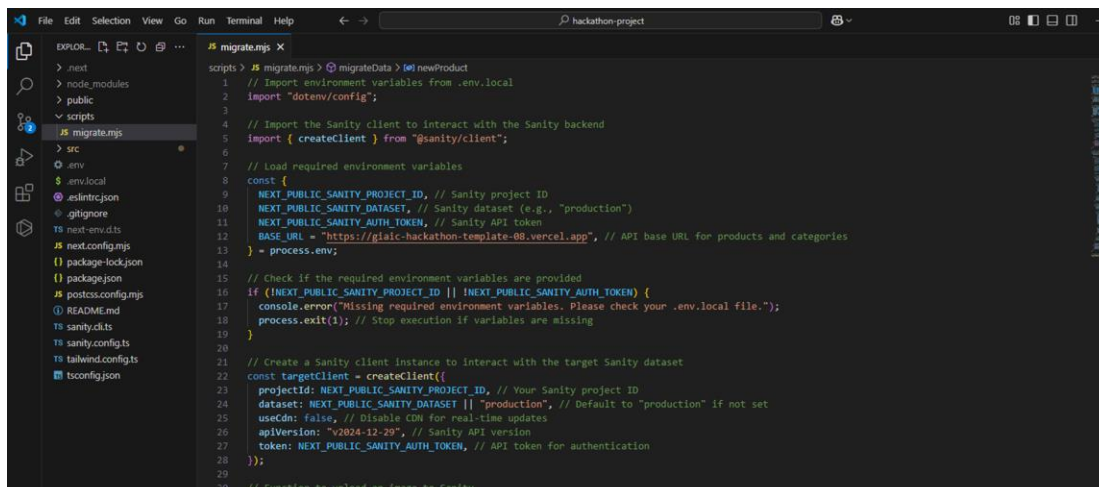
Shipengine API for tracking and order placement



DAY 3 : API Integration & Data Migration

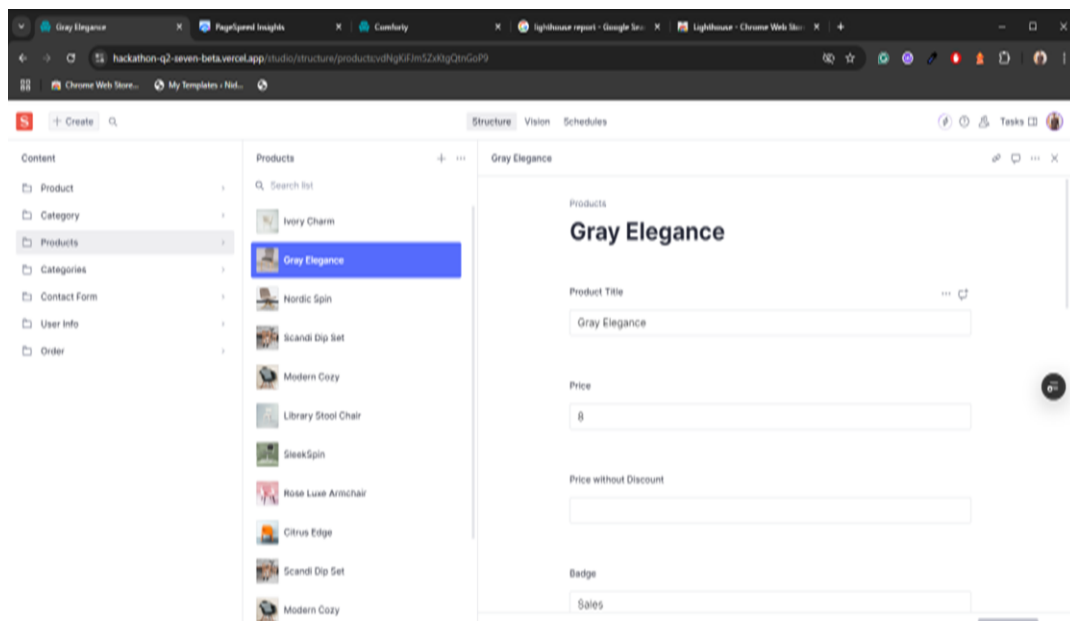
○ Migration File:

In this migration file I will upload data API to Sanity CMS. Add secure token key to send data to sanity.

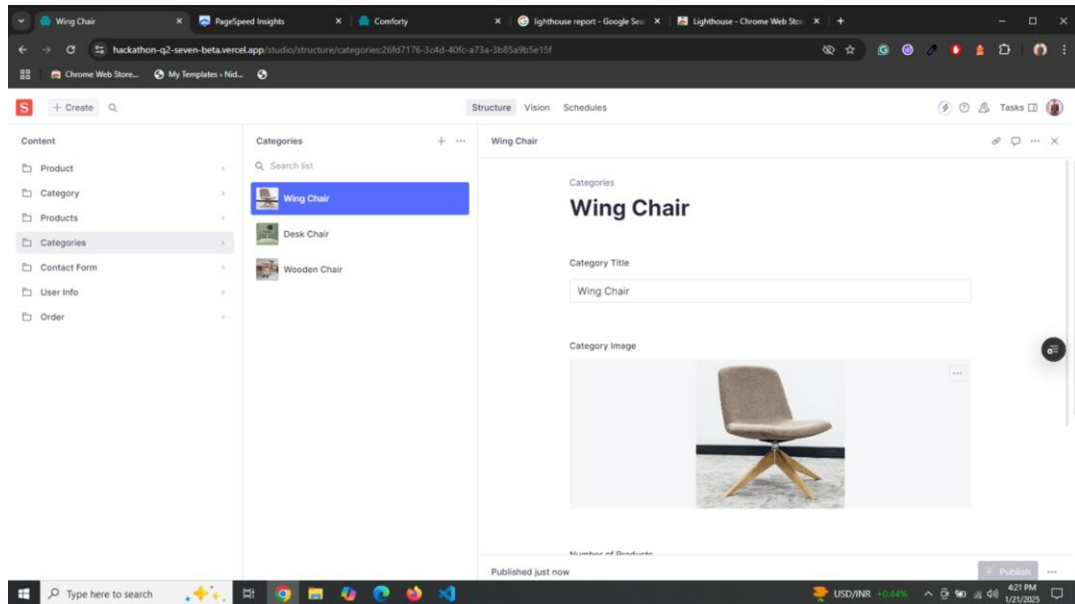


```
1 // Import environment variables from .env.local
2 import "dotenv/config";
3
4 // Import the Sanity client to interact with the Sanity backend
5 import { createClient } from "@sanity/client";
6
7 // Load required environment variables
8 const {
9   NEXT_PUBLIC_SANITY_PROJECT_ID, // Sanity project ID
10  NEXT_PUBLIC_SANITY_DATASET, // Sanity dataset (e.g., "production")
11  NEXT_PUBLIC_SANITY_AUTH_TOKEN, // Sanity API token
12  BASE_URL = "https://glac-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: "v2024-12-29", // Sanity API version
27   token: NEXT_PUBLIC_SANITY_AUTH_TOKEN, // API token for authentication
28 });
29
30 // Function to upload an image to Sanity
```

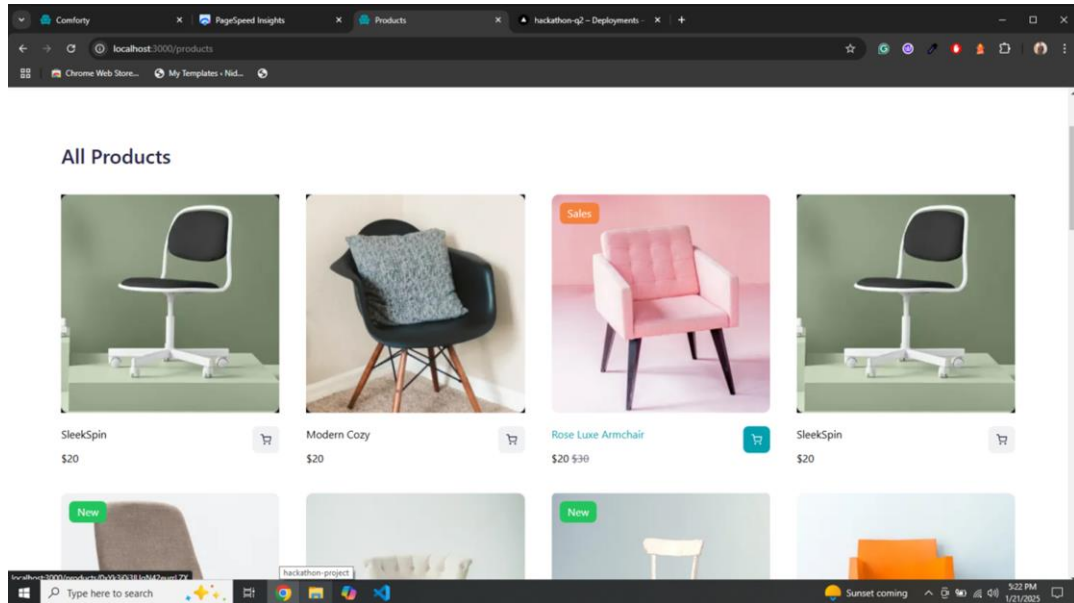
○ Add Data In Sanity (Product Data):



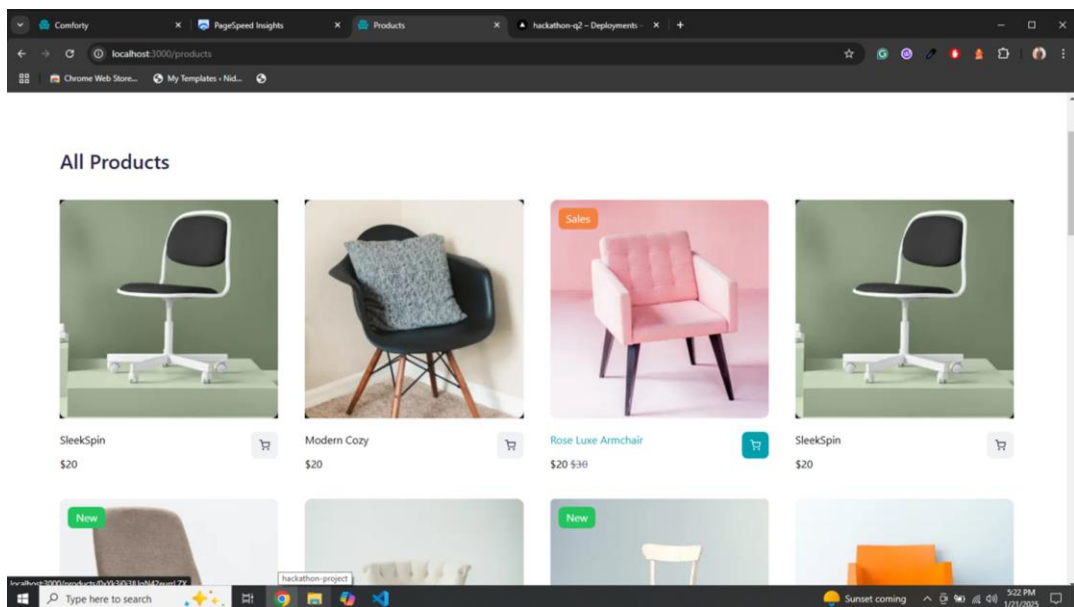
○ Add Data In Sanity (Categories Data):



○ Add Data In Frontend (Product Data):



○ Add Data In Frontend (Product Data):



DAY 4 : Building Dynamic Frontend Components

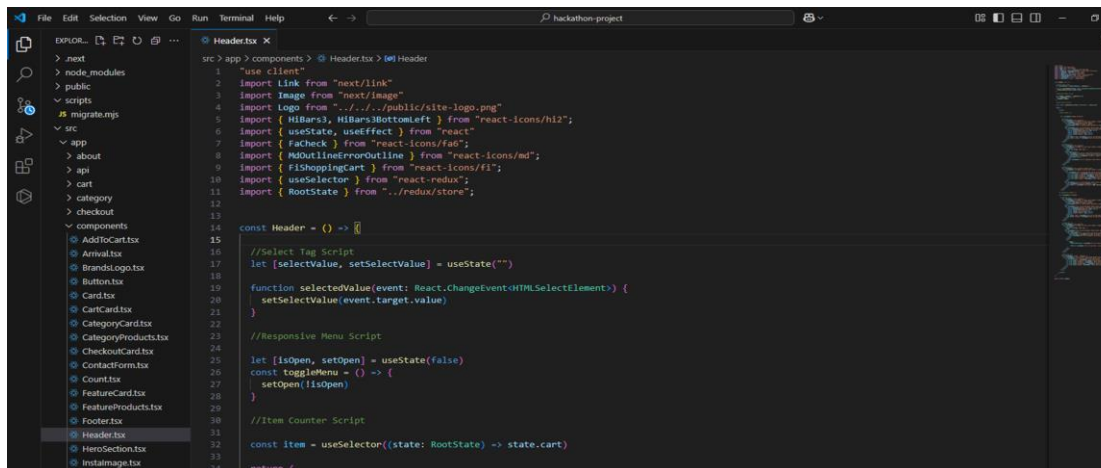
○ Overview:

Make a component for using reusable content.

Components: Header, Footer, Product Card, Category Card, Product Details, Cart Card, Checkout Card.

○ Header Component:

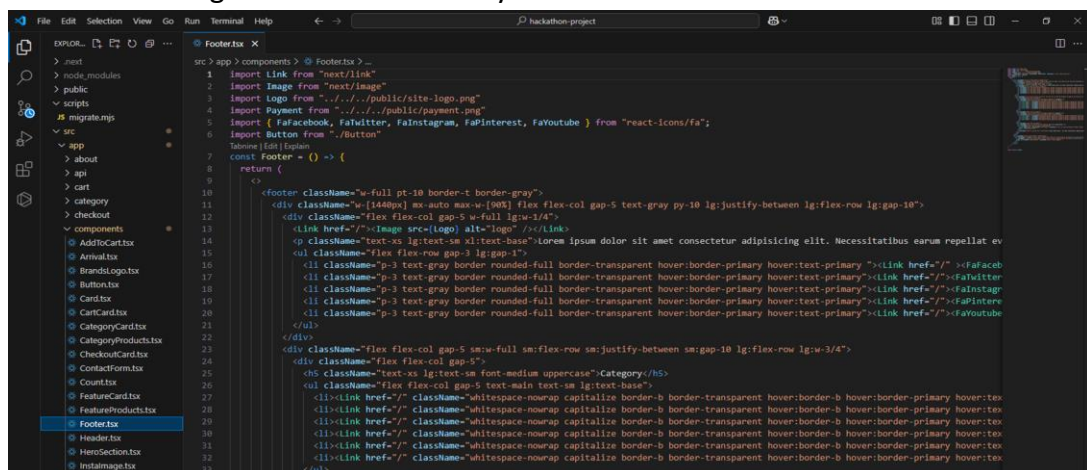
Render in all Pages Header is necessary.



```
src > app > components > Header.tsx
1  "use client"
2  import Link from "next/link"
3  import Image from "next/image"
4  import Logo from "../public/site-logo.png"
5  import { HiBars, HiBarsBottomLeft } from "react-icons/hi2";
6  import { useState, useEffect } from "react"
7  import { FaCheck } from "react-icons/fa6";
8  import { MdOutlineErrorOutline } from "react-icons/md";
9  import { HiShoppingCart } from "react-icons/hi";
10 import { useSelector } from "react-redux";
11 import { RootState } from "../redux/store";
12
13
14 const Header = () => {
15
16   //Select Tag Script
17   let [selectValue, setSelectValue] = useState("")
18
19   function selectedValue(event: React.ChangeEvent<HTMLSelectElement>) {
20     setSelectValue(event.target.value)
21   }
22
23   //Responsive Menu Script
24
25   let [isOpen, setIsOpen] = useState(false)
26   const toggleMenu = () => {
27     setIsOpen(!isOpen)
28   }
29
30   //Item Counter Script
31
32   const item = useSelector((state: RootState) => state.cart)
33
34   return (
```

○ Footer Component:

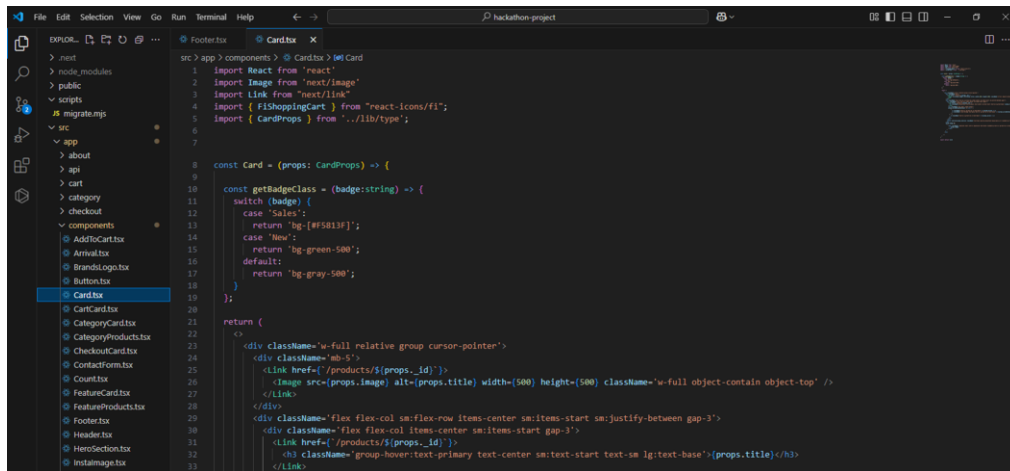
Render in all Pages Footer is necessary.



```
src > app > components > Footer.tsx
1  import Link from "next/link"
2  import Image from "next/image"
3  import Logo from "../public/site-logo.png"
4  import Payment from "../public/payment.png"
5  import { FaFacebook, FaTwitter, FaInstagram, FaPinterest, FaYoutube } from "react-icons/fa";
6  import Button from "../button"
7  import { Tailwind } from "tailwindcss"
8
9  const Footer = () => {
10   return (
11     <div className="w-full pt-10 border-t border-gray">
12       <div className="flex flex-col gap-5 w-full lg:w-1/4">
13         <Link href="/">
14           <Image src={Logo} alt="Logo" />
15         </Link>
16         <p className="text-xs lg:text-sm xl:text-base">Lorem ipsum dolor sit amet consectetur adipiscing elit. Necessitatibus eam repellat ev</p>
17         <div className="flex flex-row gap-3 lg:gap-1">
18           <div className="p-3 text-gray border rounded-full border-transparent hover:border-primary hover:text-primary"><Link href="/"> FaFacebook</Link>
19           <div className="p-3 text-gray border rounded-full border-transparent hover:border-primary hover:text-primary"><Link href="/"> FaTwitter</Link>
20           <div className="p-3 text-gray border rounded-full border-transparent hover:border-primary hover:text-primary"><Link href="/"> FaInstagram</Link>
21           <div className="p-3 text-gray border rounded-full border-transparent hover:border-primary hover:text-primary"><Link href="/"> FaPinterest</Link>
22           <div className="p-3 text-gray border rounded-full border-transparent hover:border-primary hover:text-primary"><Link href="/"> FaYoutube</Link>
23         </div>
24       </div>
25       <div className="flex flex-col gap-5 sm:w-full sm:flex-row sm:justify-between sm:gap-10 lg:flex-row lg:w-3/4">
26         <div className="flex flex-col gap-5">
27           <div className="text-xs lg:text-sm font-medium uppercase">Category/RS</div>
28           <div className="flex flex-col gap-5 text-main text-sm lg:text-base">
29             <div><Link href="/" className="whitespace-nowrap capitalize border-b border-transparent hover:border-b hover:border-primary hover:tex</div>
30             <div><Link href="/" className="whitespace-nowrap capitalize border-b border-transparent hover:border-b hover:border-primary hover:tex</div>
31             <div><Link href="/" className="whitespace-nowrap capitalize border-b border-transparent hover:border-b hover:border-primary hover:tex</div>
32             <div><Link href="/" className="whitespace-nowrap capitalize border-b border-transparent hover:border-b hover:border-primary hover:tex</div>
33             <div><Link href="/" className="whitespace-nowrap capitalize border-b border-transparent hover:border-b hover:border-primary hover:tex</div>
34           </div>
35         </div>
36       </div>
37     </div>
38   )
39 }
40
41 export default Footer
```

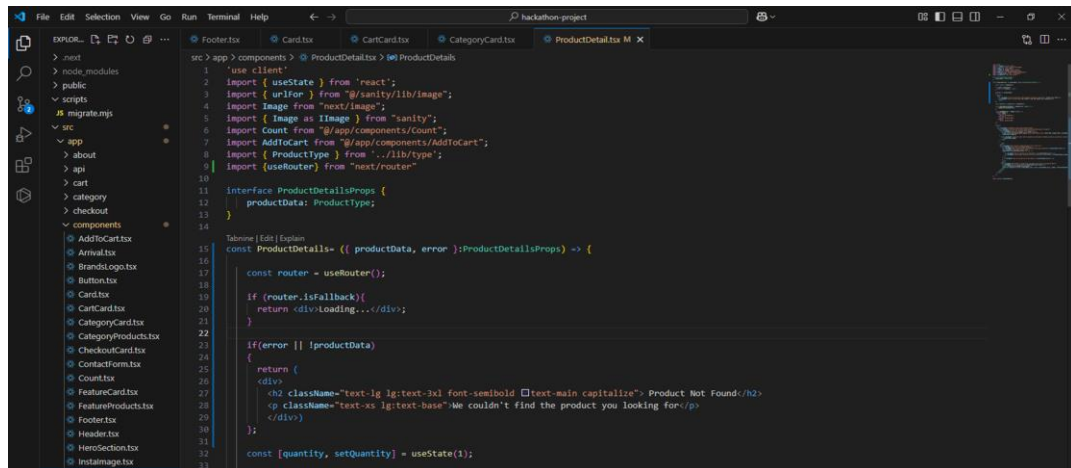
- **Product Card Component:**

In this component is reusable for showing products.



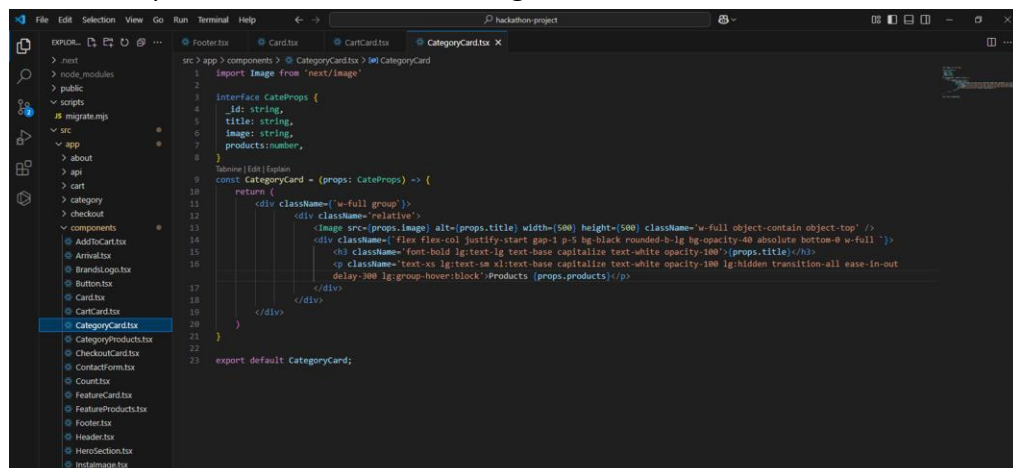
- **Product Detail Component:**

In this component is usable for showing products detail page.



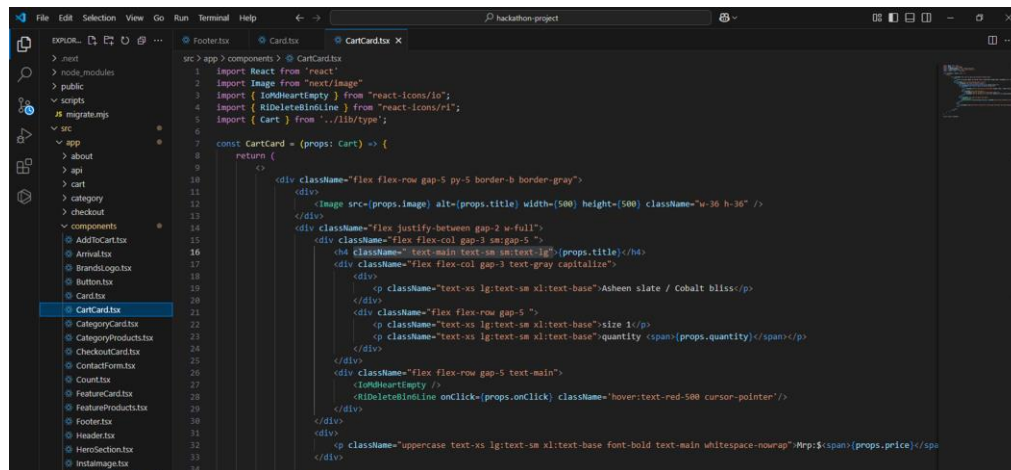
- **Category Card Component:**

In this component is usable for showing.



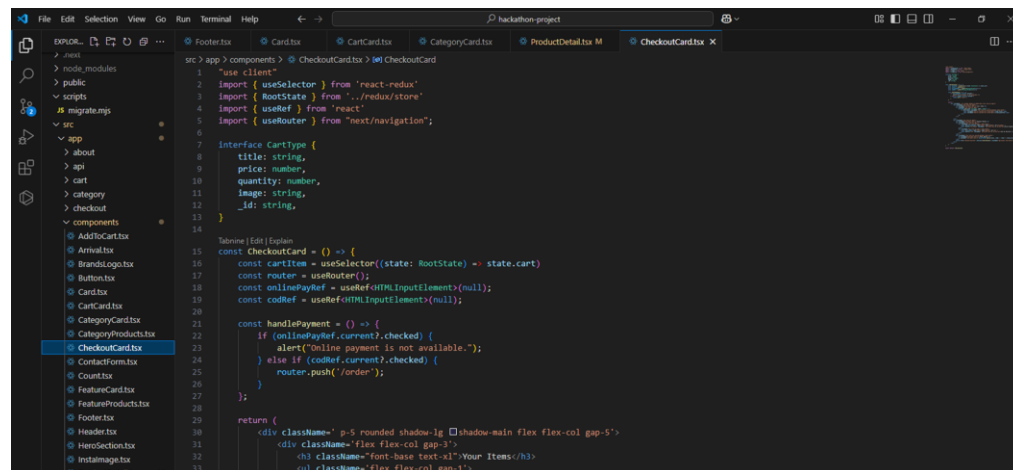
- **Cart Card Component:**

In this component is usable for list of cart items.



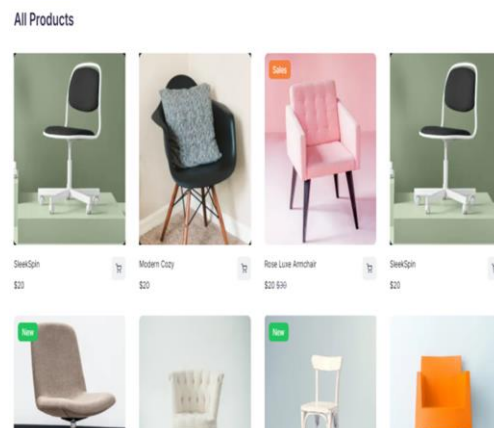
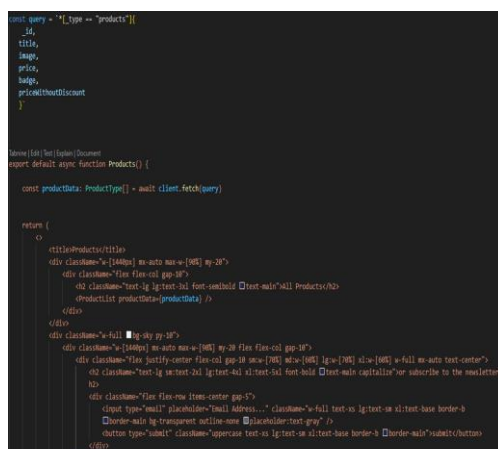
- **Checkout Card Component:**

In this component is usable for add cart items and payment Method ensure



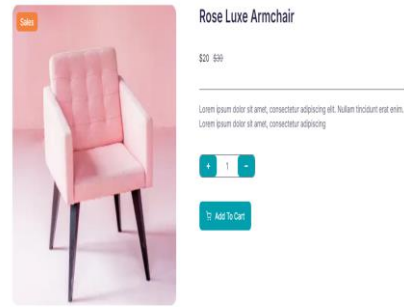
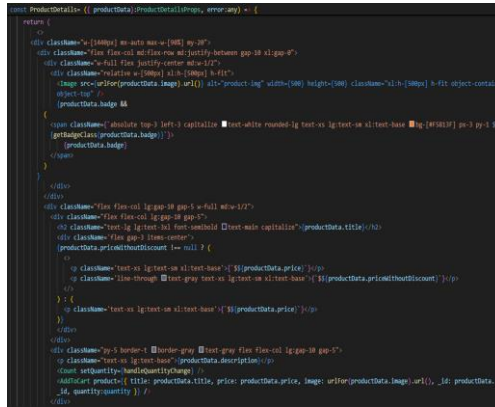
- **Products Data on Page:**

Source code and output of this code



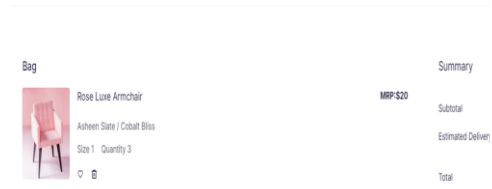
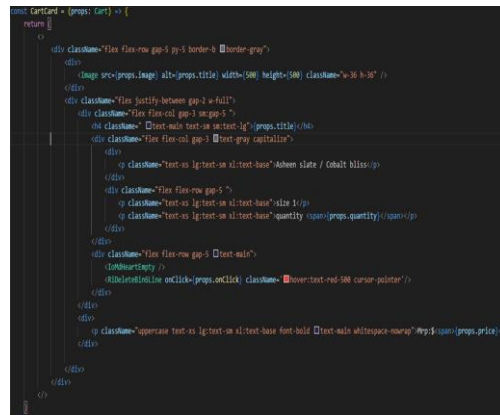
- **Products Detail Page:**

Source code and output of this code and Dynamic Routing



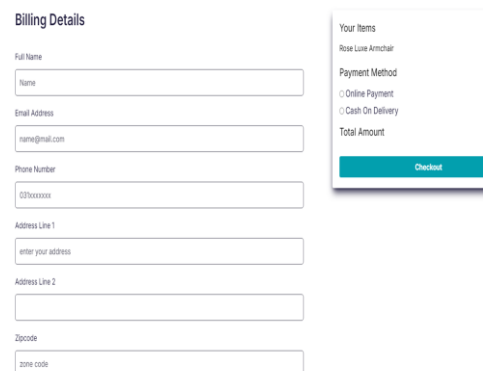
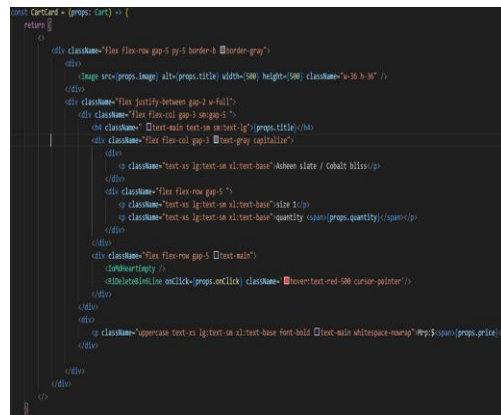
- **Cart Page:**

Source code and output of this code



- **Checkout Page:**

Source code and output of this code



DAY 5 : TESTING, ERROR HANDLING, AND BACKEND INTEGRATION

○ API Request & Response:

API Request : (<https://giaic-hackathon-template-08.vercel.app/api/products>)

API Response :

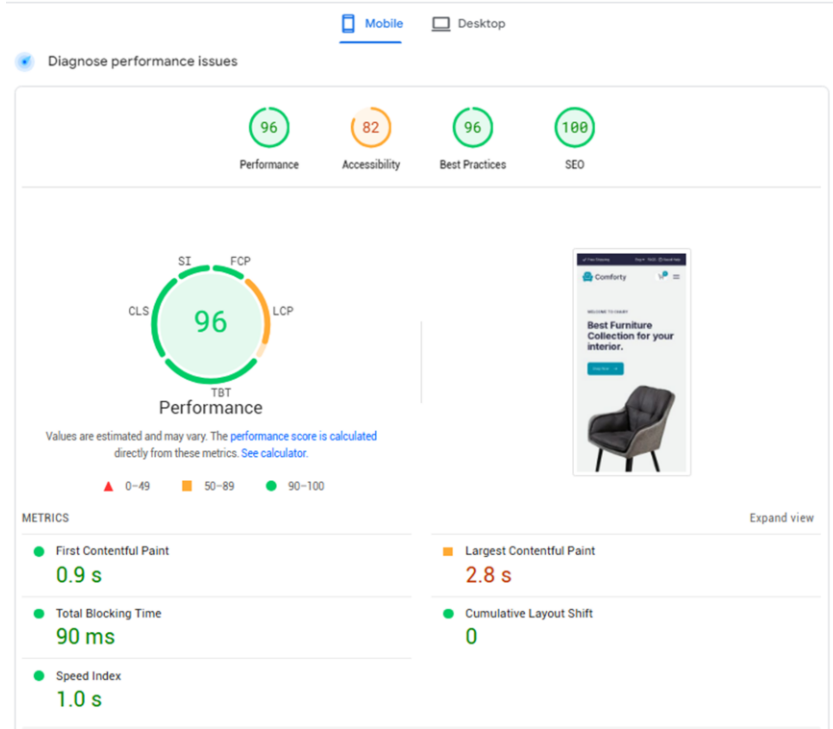
The screenshot shows the Thunder Client interface. The 'New Request' tab is active, displaying a GET request to `https://giaic-hackathon-template-08.vercel.app/api/products`. The 'Send' button is highlighted. The 'Response' tab shows a successful status of 200 OK, with a size of 7.33 KB and a time of 1.81 s. The response body is a JSON array of two product objects.

```
1 {
2   {
3     "id": "2P4ew3n0afKlAn3Aum0jzf",
4     "title": "Sleek Spin",
5     "priceWithoutDiscount": null,
6     "category": {
7       "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
8       "title": "Desk Chair"
9     },
10    "tags": [
11      "gallery"
12    ],
13    "price": 20,
14    "badge": null,
15    "imageUrl": "https://cdn.sanity.io/images/5x47y4y0/production/81a5b7de166f930870a82f8f3e661b38a70de9f4-312x312.png",
16    "description": "Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nullam tincidunt erat enim. Lorem ipsum dolor sit amet, consectetur adipiscing",
17    "inventory": 10
18  },
19  {
20    "inventory": 20,
21    "tags": [
22      "featured",
23      "instagram",
24      "gallery"
25    ],
26    "badge": null,
27    "imageUrl": "https://cdn.sanity.io/images/5x47y4y0/production/4cd62915914fb38550532c3d1f0c4d64c1f8cca-312x312.png",
28    "price": 20,
29    "priceWithoutDiscount": null,
30    "category": {
31      "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
32      "title": "Desk Chair"
33    },
34    "tags": [
35      "gallery"
36    ],
37    "price": 20,
38    "priceWithoutDiscount": null,
39    "category": {
40      "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
41      "title": "Desk Chair"
42    },
43    "tags": [
44      "gallery"
45    ],
46    "price": 20,
47    "priceWithoutDiscount": null,
48    "category": {
49      "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
50      "title": "Desk Chair"
51    },
52    "tags": [
53      "gallery"
54    ],
55    "price": 20,
56    "priceWithoutDiscount": null,
57    "category": {
58      "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
59      "title": "Desk Chair"
60    },
61    "tags": [
62      "gallery"
63    ],
64    "price": 20,
65    "priceWithoutDiscount": null,
66    "category": {
67      "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
68      "title": "Desk Chair"
69    },
70    "tags": [
71      "gallery"
72    ],
73    "price": 20,
74    "priceWithoutDiscount": null,
75    "category": {
76      "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
77      "title": "Desk Chair"
78    },
79    "tags": [
80      "gallery"
81    ],
82    "price": 20,
83    "priceWithoutDiscount": null,
84    "category": {
85      "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
86      "title": "Desk Chair"
87    },
88    "tags": [
89      "gallery"
90    ],
91    "price": 20,
92    "priceWithoutDiscount": null,
93    "category": {
94      "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
95      "title": "Desk Chair"
96    },
97    "tags": [
98      "gallery"
99    ],
100   "price": 20,
101   "priceWithoutDiscount": null,
102   "category": {
103     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
104     "title": "Desk Chair"
105   },
106   "tags": [
107     "gallery"
108   ],
109   "price": 20,
110   "priceWithoutDiscount": null,
111   "category": {
112     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
113     "title": "Desk Chair"
114   },
115   "tags": [
116     "gallery"
117   ],
118   "price": 20,
119   "priceWithoutDiscount": null,
120   "category": {
121     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
122     "title": "Desk Chair"
123   },
124   "tags": [
125     "gallery"
126   ],
127   "price": 20,
128   "priceWithoutDiscount": null,
129   "category": {
130     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
131     "title": "Desk Chair"
132   },
133   "tags": [
134     "gallery"
135   ],
136   "price": 20,
137   "priceWithoutDiscount": null,
138   "category": {
139     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
140     "title": "Desk Chair"
141   },
142   "tags": [
143     "gallery"
144   ],
145   "price": 20,
146   "priceWithoutDiscount": null,
147   "category": {
148     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
149     "title": "Desk Chair"
150   },
151   "tags": [
152     "gallery"
153   ],
154   "price": 20,
155   "priceWithoutDiscount": null,
156   "category": {
157     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
158     "title": "Desk Chair"
159   },
160   "tags": [
161     "gallery"
162   ],
163   "price": 20,
164   "priceWithoutDiscount": null,
165   "category": {
166     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
167     "title": "Desk Chair"
168   },
169   "tags": [
170     "gallery"
171   ],
172   "price": 20,
173   "priceWithoutDiscount": null,
174   "category": {
175     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
176     "title": "Desk Chair"
177   },
178   "tags": [
179     "gallery"
180   ],
181   "price": 20,
182   "priceWithoutDiscount": null,
183   "category": {
184     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
185     "title": "Desk Chair"
186   },
187   "tags": [
188     "gallery"
189   ],
190   "price": 20,
191   "priceWithoutDiscount": null,
192   "category": {
193     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
194     "title": "Desk Chair"
195   },
196   "tags": [
197     "gallery"
198   ],
199   "price": 20,
200   "priceWithoutDiscount": null,
201   "category": {
202     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
203     "title": "Desk Chair"
204   },
205   "tags": [
206     "gallery"
207   ],
208   "price": 20,
209   "priceWithoutDiscount": null,
210   "category": {
211     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
212     "title": "Desk Chair"
213   },
214   "tags": [
215     "gallery"
216   ],
217   "price": 20,
218   "priceWithoutDiscount": null,
219   "category": {
220     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
221     "title": "Desk Chair"
222   },
223   "tags": [
224     "gallery"
225   ],
226   "price": 20,
227   "priceWithoutDiscount": null,
228   "category": {
229     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
230     "title": "Desk Chair"
231   },
232   "tags": [
233     "gallery"
234   ],
235   "price": 20,
236   "priceWithoutDiscount": null,
237   "category": {
238     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
239     "title": "Desk Chair"
240   },
241   "tags": [
242     "gallery"
243   ],
244   "price": 20,
245   "priceWithoutDiscount": null,
246   "category": {
247     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
248     "title": "Desk Chair"
249   },
250   "tags": [
251     "gallery"
252   ],
253   "price": 20,
254   "priceWithoutDiscount": null,
255   "category": {
256     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
257     "title": "Desk Chair"
258   },
259   "tags": [
260     "gallery"
261   ],
262   "price": 20,
263   "priceWithoutDiscount": null,
264   "category": {
265     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
266     "title": "Desk Chair"
267   },
268   "tags": [
269     "gallery"
270   ],
271   "price": 20,
272   "priceWithoutDiscount": null,
273   "category": {
274     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
275     "title": "Desk Chair"
276   },
277   "tags": [
278     "gallery"
279   ],
280   "price": 20,
281   "priceWithoutDiscount": null,
282   "category": {
283     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
284     "title": "Desk Chair"
285   },
286   "tags": [
287     "gallery"
288   ],
289   "price": 20,
290   "priceWithoutDiscount": null,
291   "category": {
292     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
293     "title": "Desk Chair"
294   },
295   "tags": [
296     "gallery"
297   ],
298   "price": 20,
299   "priceWithoutDiscount": null,
300   "category": {
301     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
302     "title": "Desk Chair"
303   },
304   "tags": [
305     "gallery"
306   ],
307   "price": 20,
308   "priceWithoutDiscount": null,
309   "category": {
310     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
311     "title": "Desk Chair"
312   },
313   "tags": [
314     "gallery"
315   ],
316   "price": 20,
317   "priceWithoutDiscount": null,
318   "category": {
319     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
320     "title": "Desk Chair"
321   },
322   "tags": [
323     "gallery"
324   ],
325   "price": 20,
326   "priceWithoutDiscount": null,
327   "category": {
328     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
329     "title": "Desk Chair"
330   },
331   "tags": [
332     "gallery"
333   ],
334   "price": 20,
335   "priceWithoutDiscount": null,
336   "category": {
337     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
338     "title": "Desk Chair"
339   },
340   "tags": [
341     "gallery"
342   ],
343   "price": 20,
344   "priceWithoutDiscount": null,
345   "category": {
346     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
347     "title": "Desk Chair"
348   },
349   "tags": [
350     "gallery"
351   ],
352   "price": 20,
353   "priceWithoutDiscount": null,
354   "category": {
355     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
356     "title": "Desk Chair"
357   },
358   "tags": [
359     "gallery"
360   ],
361   "price": 20,
362   "priceWithoutDiscount": null,
363   "category": {
364     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
365     "title": "Desk Chair"
366   },
367   "tags": [
368     "gallery"
369   ],
370   "price": 20,
371   "priceWithoutDiscount": null,
372   "category": {
373     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
374     "title": "Desk Chair"
375   },
376   "tags": [
377     "gallery"
378   ],
379   "price": 20,
380   "priceWithoutDiscount": null,
381   "category": {
382     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
383     "title": "Desk Chair"
384   },
385   "tags": [
386     "gallery"
387   ],
388   "price": 20,
389   "priceWithoutDiscount": null,
390   "category": {
391     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
392     "title": "Desk Chair"
393   },
394   "tags": [
395     "gallery"
396   ],
397   "price": 20,
398   "priceWithoutDiscount": null,
399   "category": {
400     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
401     "title": "Desk Chair"
402   },
403   "tags": [
404     "gallery"
405   ],
406   "price": 20,
407   "priceWithoutDiscount": null,
408   "category": {
409     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
410     "title": "Desk Chair"
411   },
412   "tags": [
413     "gallery"
414   ],
415   "price": 20,
416   "priceWithoutDiscount": null,
417   "category": {
418     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
419     "title": "Desk Chair"
420   },
421   "tags": [
422     "gallery"
423   ],
424   "price": 20,
425   "priceWithoutDiscount": null,
426   "category": {
427     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
428     "title": "Desk Chair"
429   },
430   "tags": [
431     "gallery"
432   ],
433   "price": 20,
434   "priceWithoutDiscount": null,
435   "category": {
436     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
437     "title": "Desk Chair"
438   },
439   "tags": [
440     "gallery"
441   ],
442   "price": 20,
443   "priceWithoutDiscount": null,
444   "category": {
445     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
446     "title": "Desk Chair"
447   },
448   "tags": [
449     "gallery"
450   ],
451   "price": 20,
452   "priceWithoutDiscount": null,
453   "category": {
454     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
455     "title": "Desk Chair"
456   },
457   "tags": [
458     "gallery"
459   ],
460   "price": 20,
461   "priceWithoutDiscount": null,
462   "category": {
463     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
464     "title": "Desk Chair"
465   },
466   "tags": [
467     "gallery"
468   ],
469   "price": 20,
470   "priceWithoutDiscount": null,
471   "category": {
472     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
473     "title": "Desk Chair"
474   },
475   "tags": [
476     "gallery"
477   ],
478   "price": 20,
479   "priceWithoutDiscount": null,
480   "category": {
481     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
482     "title": "Desk Chair"
483   },
484   "tags": [
485     "gallery"
486   ],
487   "price": 20,
488   "priceWithoutDiscount": null,
489   "category": {
490     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
491     "title": "Desk Chair"
492   },
493   "tags": [
494     "gallery"
495   ],
496   "price": 20,
497   "priceWithoutDiscount": null,
498   "category": {
499     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
500     "title": "Desk Chair"
501   },
502   "tags": [
503     "gallery"
504   ],
505   "price": 20,
506   "priceWithoutDiscount": null,
507   "category": {
508     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
509     "title": "Desk Chair"
510   },
511   "tags": [
512     "gallery"
513   ],
514   "price": 20,
515   "priceWithoutDiscount": null,
516   "category": {
517     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
518     "title": "Desk Chair"
519   },
520   "tags": [
521     "gallery"
522   ],
523   "price": 20,
524   "priceWithoutDiscount": null,
525   "category": {
526     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
527     "title": "Desk Chair"
528   },
529   "tags": [
530     "gallery"
531   ],
532   "price": 20,
533   "priceWithoutDiscount": null,
534   "category": {
535     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
536     "title": "Desk Chair"
537   },
538   "tags": [
539     "gallery"
540   ],
541   "price": 20,
542   "priceWithoutDiscount": null,
543   "category": {
544     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
545     "title": "Desk Chair"
546   },
547   "tags": [
548     "gallery"
549   ],
550   "price": 20,
551   "priceWithoutDiscount": null,
552   "category": {
553     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
554     "title": "Desk Chair"
555   },
556   "tags": [
557     "gallery"
558   ],
559   "price": 20,
560   "priceWithoutDiscount": null,
561   "category": {
562     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
563     "title": "Desk Chair"
564   },
565   "tags": [
566     "gallery"
567   ],
568   "price": 20,
569   "priceWithoutDiscount": null,
570   "category": {
571     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
572     "title": "Desk Chair"
573   },
574   "tags": [
575     "gallery"
576   ],
577   "price": 20,
578   "priceWithoutDiscount": null,
579   "category": {
580     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
581     "title": "Desk Chair"
582   },
583   "tags": [
584     "gallery"
585   ],
586   "price": 20,
587   "priceWithoutDiscount": null,
588   "category": {
589     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
590     "title": "Desk Chair"
591   },
592   "tags": [
593     "gallery"
594   ],
595   "price": 20,
596   "priceWithoutDiscount": null,
597   "category": {
598     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
599     "title": "Desk Chair"
600   },
601   "tags": [
602     "gallery"
603   ],
604   "price": 20,
605   "priceWithoutDiscount": null,
606   "category": {
607     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
608     "title": "Desk Chair"
609   },
610   "tags": [
611     "gallery"
612   ],
613   "price": 20,
614   "priceWithoutDiscount": null,
615   "category": {
616     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
617     "title": "Desk Chair"
618   },
619   "tags": [
620     "gallery"
621   ],
622   "price": 20,
623   "priceWithoutDiscount": null,
624   "category": {
625     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
626     "title": "Desk Chair"
627   },
628   "tags": [
629     "gallery"
630   ],
631   "price": 20,
632   "priceWithoutDiscount": null,
633   "category": {
634     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
635     "title": "Desk Chair"
636   },
637   "tags": [
638     "gallery"
639   ],
640   "price": 20,
641   "priceWithoutDiscount": null,
642   "category": {
643     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
644     "title": "Desk Chair"
645   },
646   "tags": [
647     "gallery"
648   ],
649   "price": 20,
650   "priceWithoutDiscount": null,
651   "category": {
652     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
653     "title": "Desk Chair"
654   },
655   "tags": [
656     "gallery"
657   ],
658   "price": 20,
659   "priceWithoutDiscount": null,
660   "category": {
661     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
662     "title": "Desk Chair"
663   },
664   "tags": [
665     "gallery"
666   ],
667   "price": 20,
668   "priceWithoutDiscount": null,
669   "category": {
670     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
671     "title": "Desk Chair"
672   },
673   "tags": [
674     "gallery"
675   ],
676   "price": 20,
677   "priceWithoutDiscount": null,
678   "category": {
679     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
680     "title": "Desk Chair"
681   },
682   "tags": [
683     "gallery"
684   ],
685   "price": 20,
686   "priceWithoutDiscount": null,
687   "category": {
688     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
689     "title": "Desk Chair"
690   },
691   "tags": [
692     "gallery"
693   ],
694   "price": 20,
695   "priceWithoutDiscount": null,
696   "category": {
697     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
698     "title": "Desk Chair"
699   },
700   "tags": [
701     "gallery"
702   ],
703   "price": 20,
704   "priceWithoutDiscount": null,
705   "category": {
706     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
707     "title": "Desk Chair"
708   },
709   "tags": [
710     "gallery"
711   ],
712   "price": 20,
713   "priceWithoutDiscount": null,
714   "category": {
715     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
716     "title": "Desk Chair"
717   },
718   "tags": [
719     "gallery"
720   ],
721   "price": 20,
722   "priceWithoutDiscount": null,
723   "category": {
724     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
725     "title": "Desk Chair"
726   },
727   "tags": [
728     "gallery"
729   ],
730   "price": 20,
731   "priceWithoutDiscount": null,
732   "category": {
733     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
734     "title": "Desk Chair"
735   },
736   "tags": [
737     "gallery"
738   ],
739   "price": 20,
740   "priceWithoutDiscount": null,
741   "category": {
742     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
743     "title": "Desk Chair"
744   },
745   "tags": [
746     "gallery"
747   ],
748   "price": 20,
749   "priceWithoutDiscount": null,
750   "category": {
751     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
752     "title": "Desk Chair"
753   },
754   "tags": [
755     "gallery"
756   ],
757   "price": 20,
758   "priceWithoutDiscount": null,
759   "category": {
760     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
761     "title": "Desk Chair"
762   },
763   "tags": [
764     "gallery"
765   ],
766   "price": 20,
767   "priceWithoutDiscount": null,
768   "category": {
769     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
770     "title": "Desk Chair"
771   },
772   "tags": [
773     "gallery"
774   ],
775   "price": 20,
776   "priceWithoutDiscount": null,
777   "category": {
778     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
779     "title": "Desk Chair"
780   },
781   "tags": [
782     "gallery"
783   ],
784   "price": 20,
785   "priceWithoutDiscount": null,
786   "category": {
787     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
788     "title": "Desk Chair"
789   },
790   "tags": [
791     "gallery"
792   ],
793   "price": 20,
794   "priceWithoutDiscount": null,
795   "category": {
796     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
797     "title": "Desk Chair"
798   },
799   "tags": [
800     "gallery"
801   ],
802   "price": 20,
803   "priceWithoutDiscount": null,
804   "category": {
805     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
806     "title": "Desk Chair"
807   },
808   "tags": [
809     "gallery"
810   ],
811   "price": 20,
812   "priceWithoutDiscount": null,
813   "category": {
814     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
815     "title": "Desk Chair"
816   },
817   "tags": [
818     "gallery"
819   ],
820   "price": 20,
821   "priceWithoutDiscount": null,
822   "category": {
823     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
824     "title": "Desk Chair"
825   },
826   "tags": [
827     "gallery"
828   ],
829   "price": 20,
830   "priceWithoutDiscount": null,
831   "category": {
832     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
833     "title": "Desk Chair"
834   },
835   "tags": [
836     "gallery"
837   ],
838   "price": 20,
839   "priceWithoutDiscount": null,
840   "category": {
841     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
842     "title": "Desk Chair"
843   },
844   "tags": [
845     "gallery"
846   ],
847   "price": 20,
848   "priceWithoutDiscount": null,
849   "category": {
850     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
851     "title": "Desk Chair"
852   },
853   "tags": [
854     "gallery"
855   ],
856   "price": 20,
857   "priceWithoutDiscount": null,
858   "category": {
859     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
860     "title": "Desk Chair"
861   },
862   "tags": [
863     "gallery"
864   ],
865   "price": 20,
866   "priceWithoutDiscount": null,
867   "category": {
868     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
869     "title": "Desk Chair"
870   },
871   "tags": [
872     "gallery"
873   ],
874   "price": 20,
875   "priceWithoutDiscount": null,
876   "category": {
877     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
878     "title": "Desk Chair"
879   },
880   "tags": [
881     "gallery"
882   ],
883   "price": 20,
884   "priceWithoutDiscount": null,
885   "category": {
886     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
887     "title": "Desk Chair"
888   },
889   "tags": [
890     "gallery"
891   ],
892   "price": 20,
893   "priceWithoutDiscount": null,
894   "category": {
895     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
896     "title": "Desk Chair"
897   },
898   "tags": [
899     "gallery"
900   ],
901   "price": 20,
902   "priceWithoutDiscount": null,
903   "category": {
904     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
905     "title": "Desk Chair"
906   },
907   "tags": [
908     "gallery"
909   ],
910   "price": 20,
911   "priceWithoutDiscount": null,
912   "category": {
913     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
914     "title": "Desk Chair"
915   },
916   "tags": [
917     "gallery"
918   ],
919   "price": 20,
920   "priceWithoutDiscount": null,
921   "category": {
922     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
923     "title": "Desk Chair"
924   },
925   "tags": [
926     "gallery"
927   ],
928   "price": 20,
929   "priceWithoutDiscount": null,
930   "category": {
931     "id": "b5710116-09af-4d0e-aa9a-dcd02fe919a9",
932     "title": "Desk Chair"
933   },
934   "tags": [
935     "gallery"
936   ],
937   "price": 20,
938   "priceWithoutDiscount": null,
939   "category": {
940     "id": "b5710116-
```

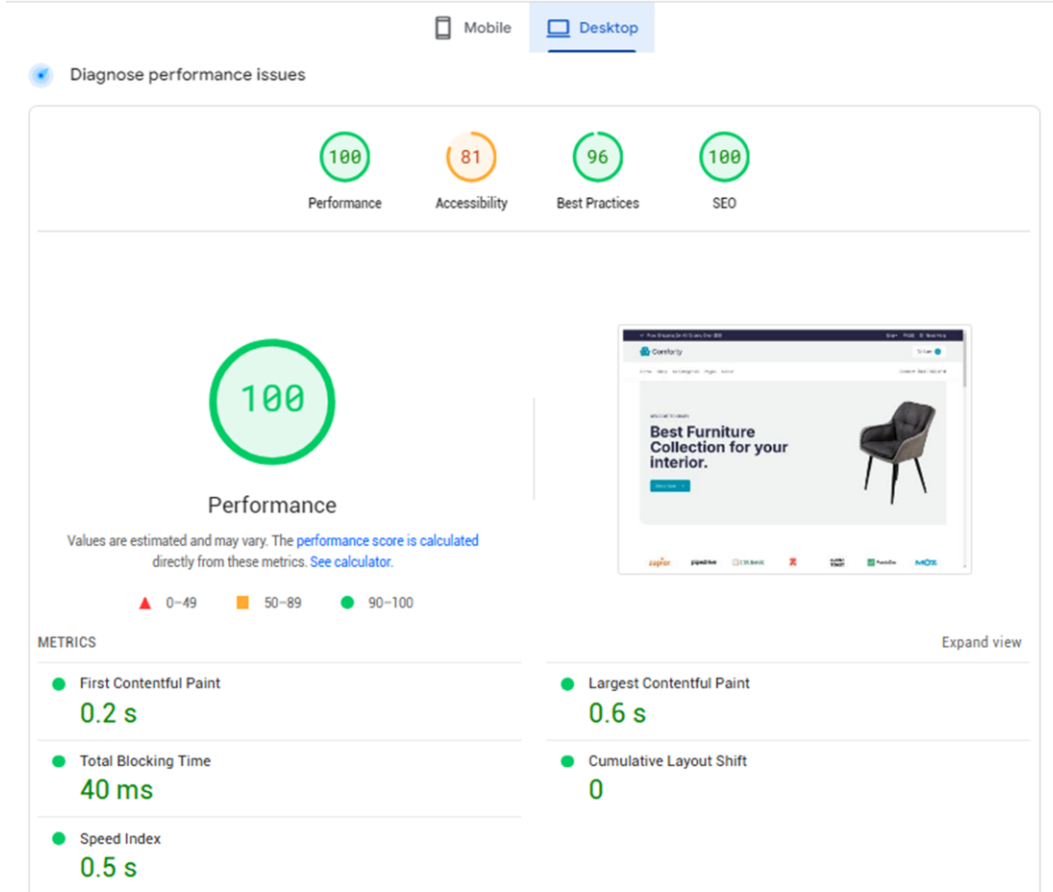
○ Light House Website Performance:

Using chrome extension to check website performance.

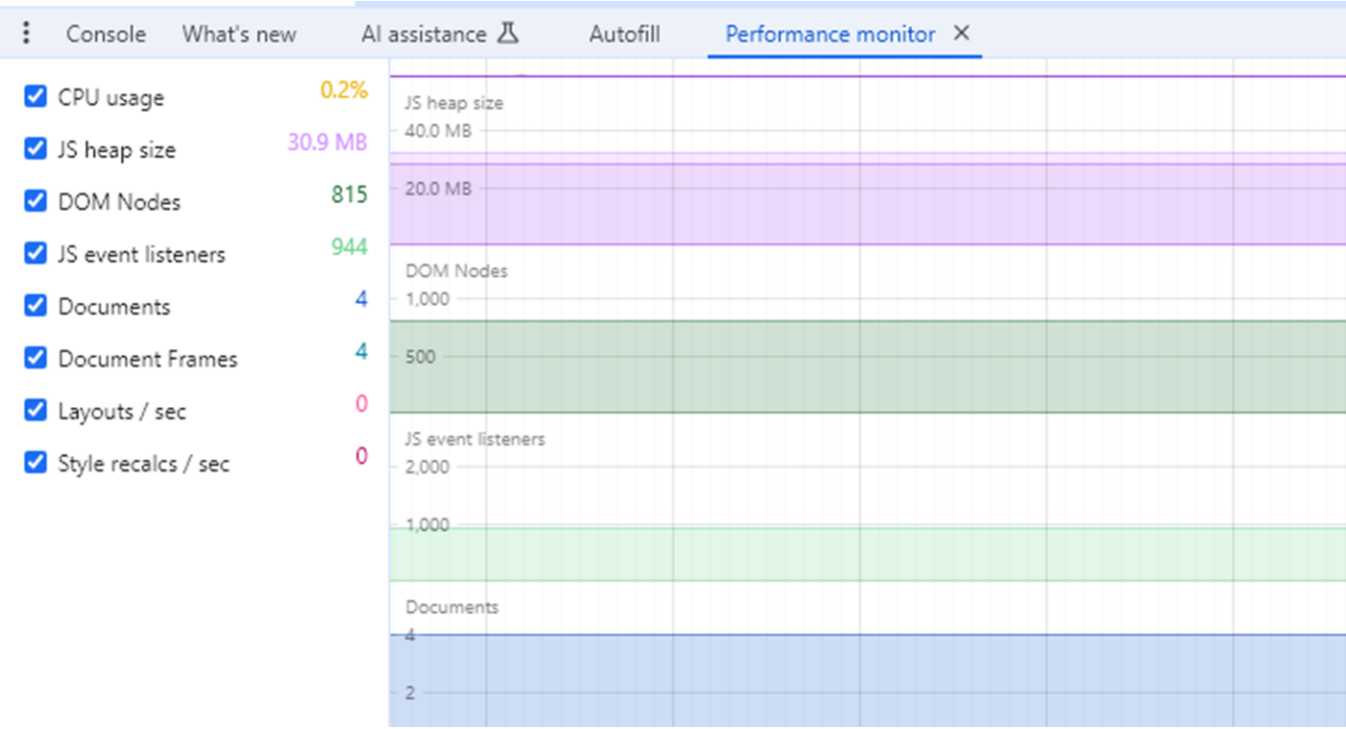
Mobile Performance:



Desktop Performance:



Performance Monitor Report:



Test Case Report:

| Test Case ID | Test Case Description | Test Steps | Expected Result | Actual Result | Status | Severity Level | Assigned To | Remarks |
|--------------|---------------------------------|--|--|--|--------|----------------|-------------|--------------------|
| TC001 | Validate product listing page | Open product page > Verify products | Products displayed correctly | Products displayed correctly | Passed | High | - | Works as expected |
| TC002 | Validate product detail Page | Open product detail page > Verify Single product detail page | Product details displayed correctly in Product Detail Page | Product details displayed correctly in Product Detail Page | Passed | High | - | Works as expected |
| 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 |
| TC004 | Ensure responsiveness on mobile | Resize browser window > Check layout | Layout adjusts properly to screen size | Layout adjusts properly to screen size | Passed | Medium | - | Test successful |
| TC005 | Cross Browser Compatibility | Check multiple browser windows > Check layout | Layout adjusts properly to different browser | Layout adjusts properly to different browser | Passed | Medium | - | Test successful |
| TC006 | Test API error handling | Disconnect API > Refresh page | Show fallback UI with error message | Error message shown | Passed | Medium | - | Handled gracefully |

DAY 6 : Deployment & Staging Environment Setup

- **Hosting Platform:**

Deploy in **Vercel** because **Vercel** is compatible with Next JS projects files and config

- **Setup Environment Variables:**

Go to Deploy Project > Go to setting > Go to Environment Variables > set Manually or upload .env file