



[Day 5 - Testing and Backend Refinement HomeDecour]

Marketplace_builder_hackathon_2025



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1. Step 1: Functional Testing

1. Test Core Features:

- **Product listing:** products are displayed correctly.
- **Filters and search:** Validate accurate results based on user inputs.
- **Cart operations:** perfectly work Add and remove items from the cart.
- **Dynamic routing:** individual product detail pages load correctly.

2. Testing tool:

- **Thunder-client:** For API response testing.

API: (<https://template-03-api.vercel.app/api/products>)

GET <https://template-03-api.vercel.app/api/products> Send

Status: 200 OK Size: 6.56 KB Time: 192 ms

Query Parameters

parameter	value
-----------	-------

Response

```
1 {
2   "success": true,
3   "data": [
4     {
5       "productName": "Nike Air Force 1 Mid '07",
6       "category": "Men's Shoes",
7       "price": 10795,
8       "inventory": 20,
9       "colors": [
10        "White"
11      ],
12       "status": "Just In",
13       "image": "https://template-03-api.vercel.app/products/1.png",
14       "description": "The Nike Air Force 1 Mid '07 delivers timeless style with premium leather and mid-cut design. Perfect for everyday wear, it provides exceptional comfort and durability. The iconic Air-Sole cushioning adds responsive support for long-lasting performance."
15     },
16     {
17       "productName": "Nike Court Vision Low Next Nature",
18       "category": "Men's Shoes",
19       "price": 4995,
20       "inventory": 35,
21       "colors": [
22        "Black"
23      ],
24       "status": "Just In",
25       "image": "https://template-03-api.vercel.app/products/2.png",
26       "description": "The Nike Court Vision Low Next Nature combines retro basketball style with modern sustainability. Made with at least 20% recycled content, it features a sleek design, durable materials, and ultimate comfort for everyday wear."
27     }
28   ]
29 }
```

GET <https://template-03-api.vercel.app/api/products> Send

Status: 200 OK Size: 6.56 KB Time: 192 ms

Query Headers Auth Body Tests Pre Run

Response Headers 16 Cookies Results Docs

o Cypress: page.tsx testing.

```
cypress > e2e > page.cy.ts > describe('Home Page Tests') callback > it('should show loading fallback initially') callback
1  /// <reference types="cypress" />
2
3  describe('Home Page Tests', () => {
4    beforeEach(() => {
5      cy.visit('/');
6    });
7
8    it('should show loading fallback initially', () => {
9      cy.contains('Loading...').should('exist').should('be.visible');
10   });
11
12   it('should load the Hero component', () => {
13     cy.get('Hero').should('exist');
14   });
15
16   it('should load the Sofas component', () => {
17     cy.get('Sofas').should('exist');
18   });
19 });
20
```

Cypress testing result ..try to solve this issue but solve nhi hua

The image shows a Cypress test runner interface on the left and a browser window on the right. The browser window displays a web page with a large green sofa and a coffee table, with the text "Sofa Sets" and "Our Sofas Collection" visible. The Cypress test runner shows a failed test for "should show loading fallback initially". The error message is "AssertionError: Timed out retrying after 4000ms: Expected to find content: 'Loading...' but never did." The test body shows the following code:

```
1  visit '/'
2  -contains Loading...
3  -assert expected undefined to exist in the DOM
4  (xhr) GET 200
5  https://hvbokorf.apicdn.sanity.io/v2025-01-26/data/query/production?query=*&58_type+3D+3D+22product+22+3D+580..7+5D&returnQuery=false
6  AssertionError
7  Timed out retrying after 4000ms: Expected to find content: 'Loading...' but never did.
8  cypress/e2e/page.cy.ts:18:1
9  6 |   });
10 |   it('should show loading fallback in
11 |     cy.contains('Loading...').shoul
12 |   |
13 |   |
14 |   |
15 |   |
16 |   |
17 |   |
18 |   });
19 |   it('should load the Hero component'
20 |     cy.get('Hero').should('exist');
```

Fallback UI :

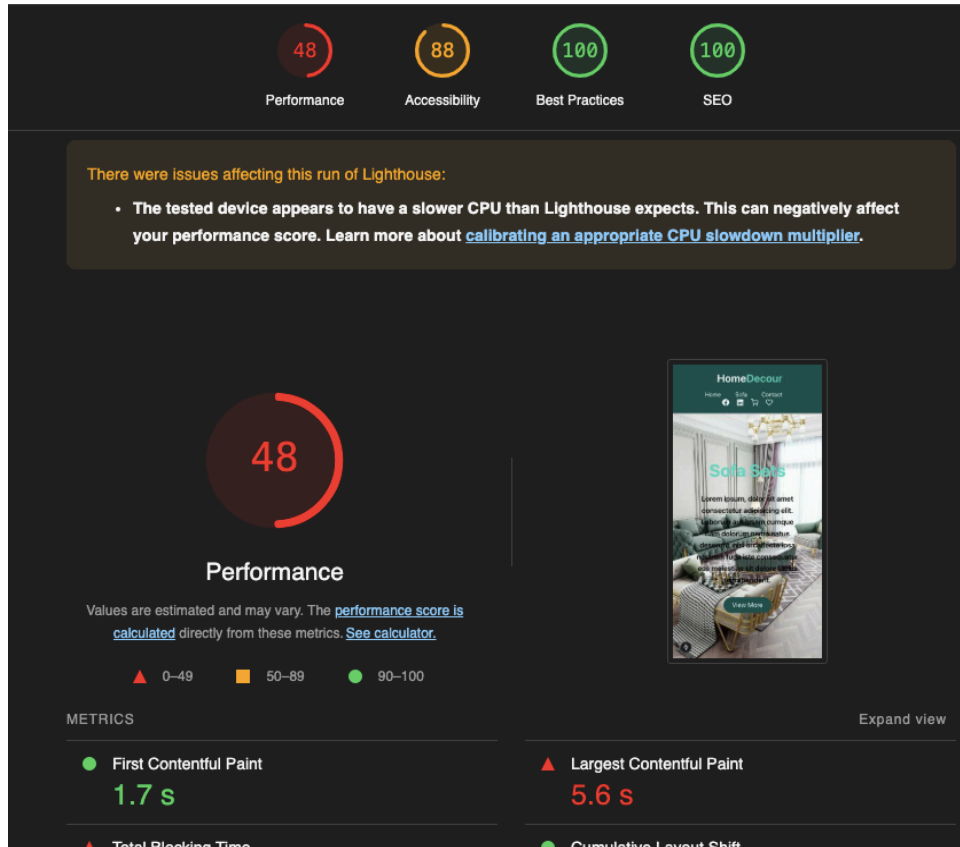
```
src > app > 📁 page.tsx > 🏠 Home
1  import Sofas from "@components/sofa";
2  import Hero from "@components/hero";
3  import { Suspense } from "react";
4
5  export default function Home() {
6    return (
7      <div>
8        <Suspense
9          fallback=<div>Loading...</div>
10        >
11          <Hero />
12        </Suspense>
13
14        <Suspense
15          fallback=<div>Loading...</div>
16        >
17          <Sofas />
18        </Suspense>
19      </div>
20    );
21  }
22
```

Testing_report_sample:

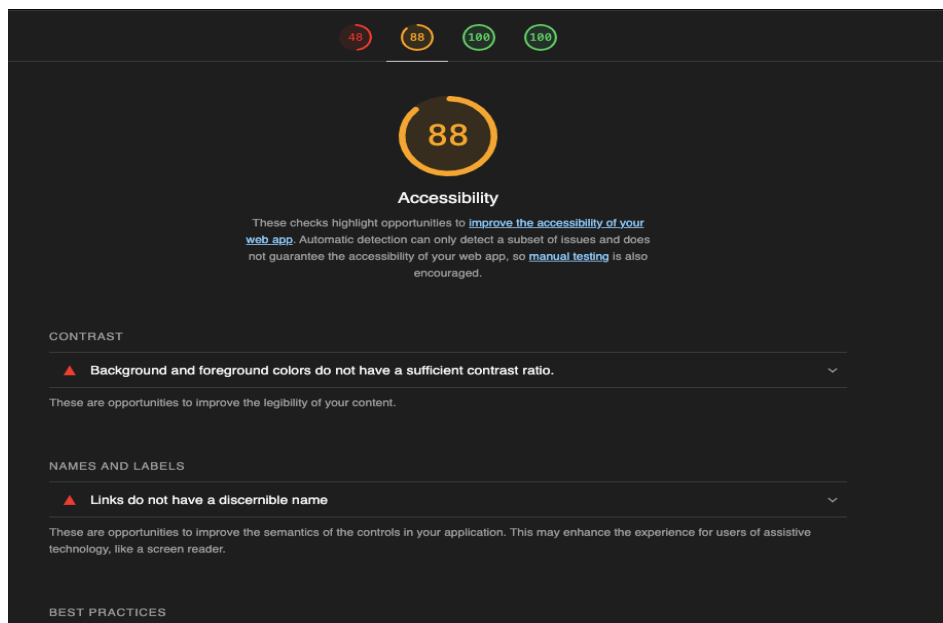
Test Case ID	Test Case Description	Test Steps	Expected Result	Actual Result	Status	Severity Level	Assigned To	Remarks
TC001	Validate product listing page	Open product page > Verify products	Products displayed correctly	Products displayed correctly	Passed	medium	-	No issues found
TC002	Test API error handling	Disconnect API > Refresh page	Show fallback UI with error message	Error message shown	Passed	Medium	-	Handled gracefully
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	Responsive layout working as intended	Passed	high	-	Test successful

Lighthouse Testing:

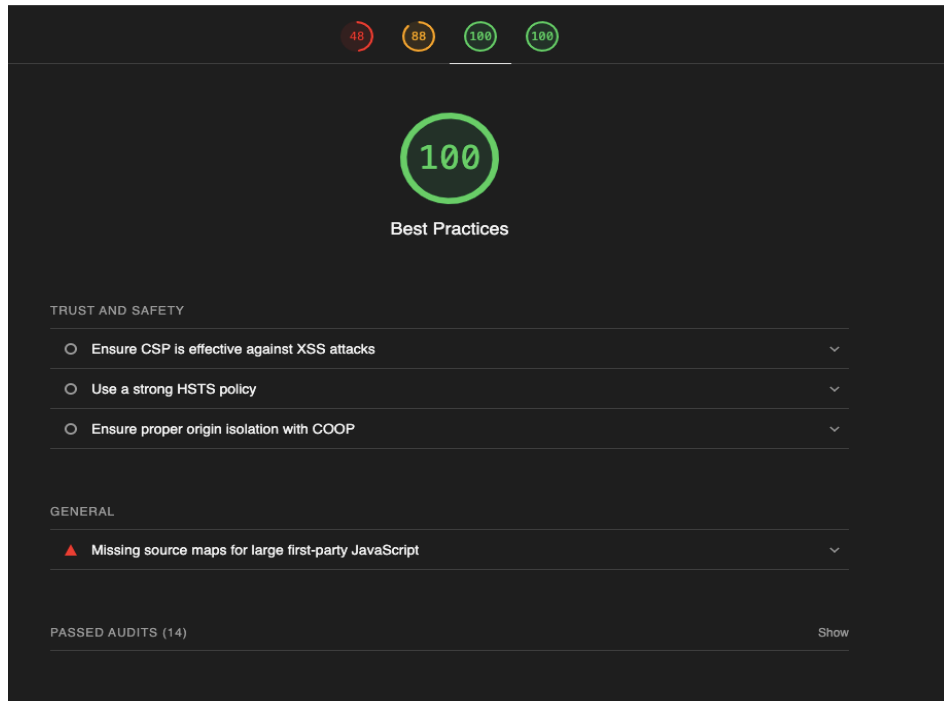
Performance:



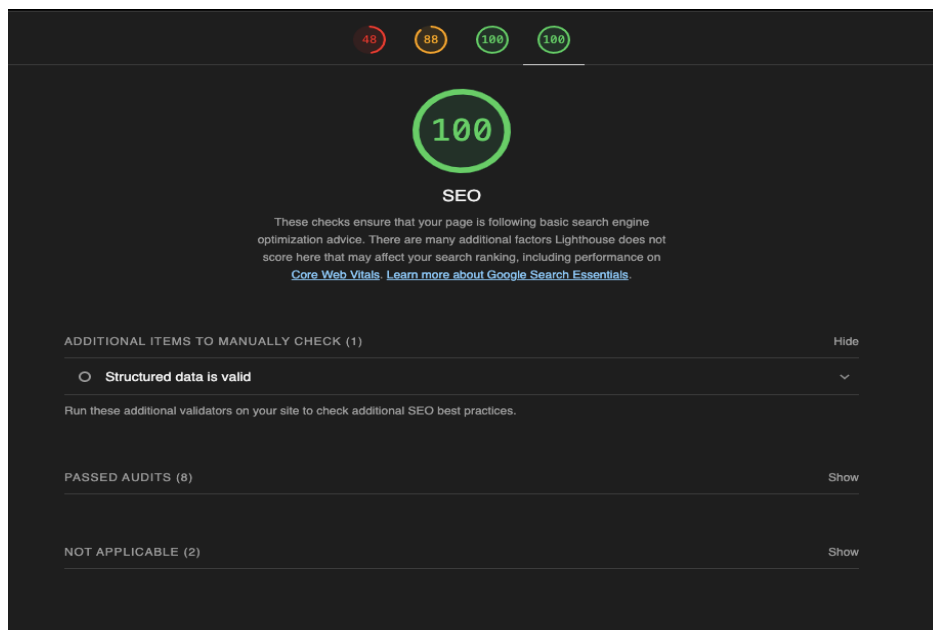
Accessibility:



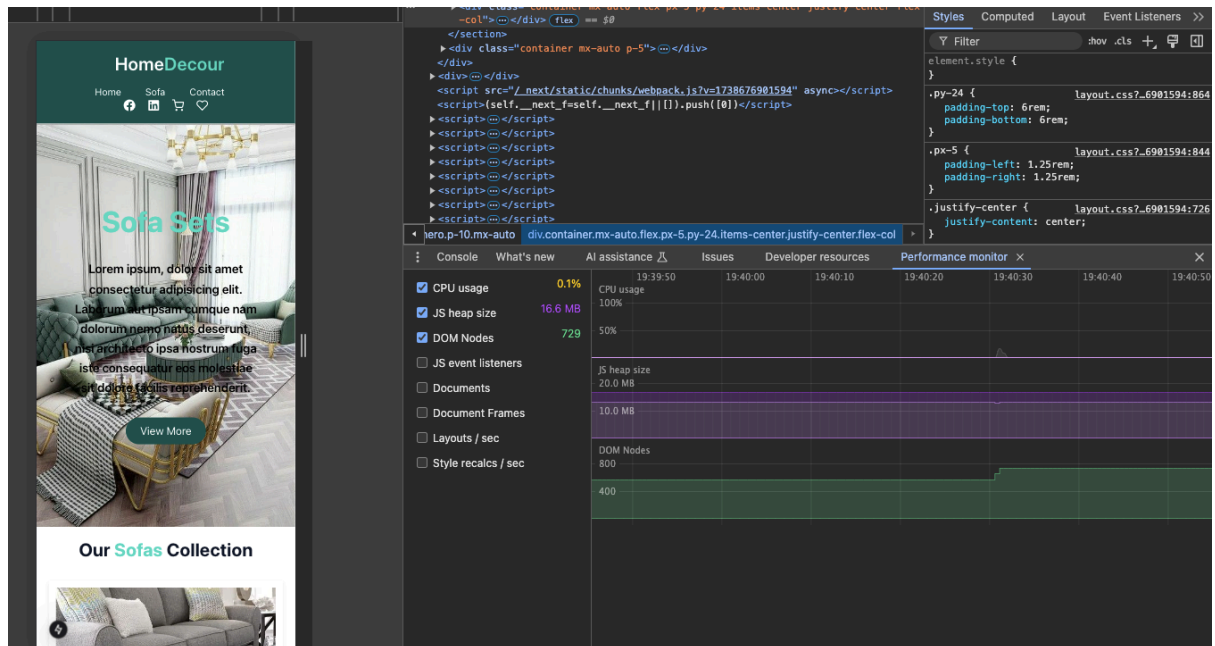
Best Practice:



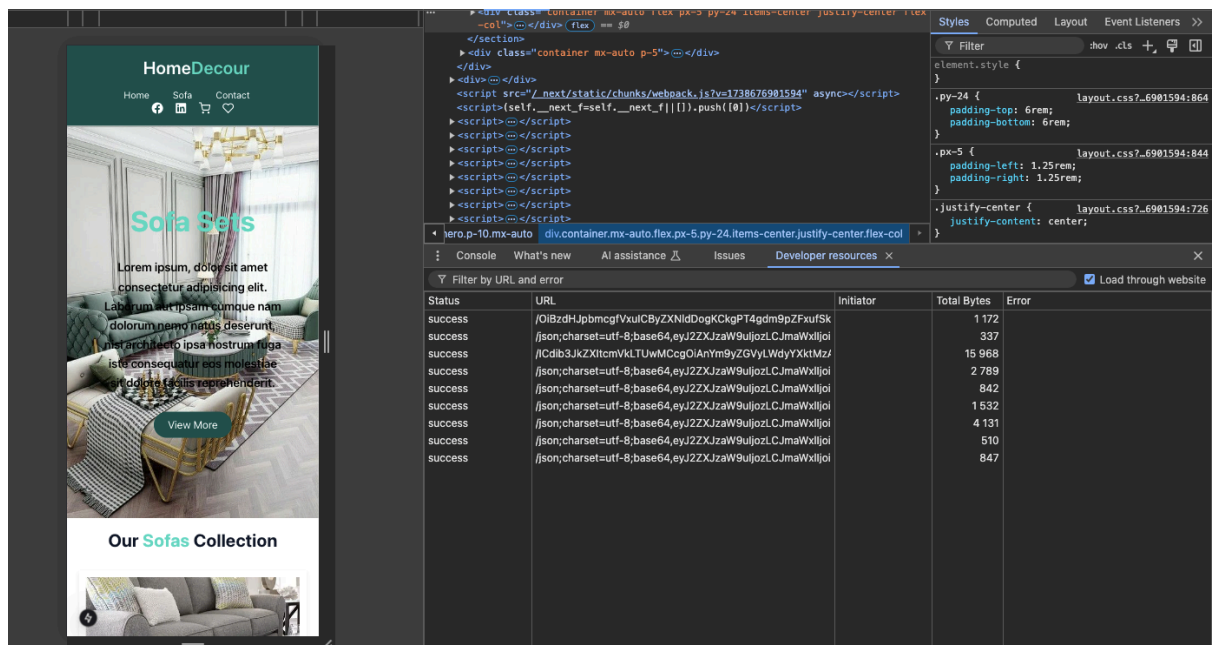
SEO:



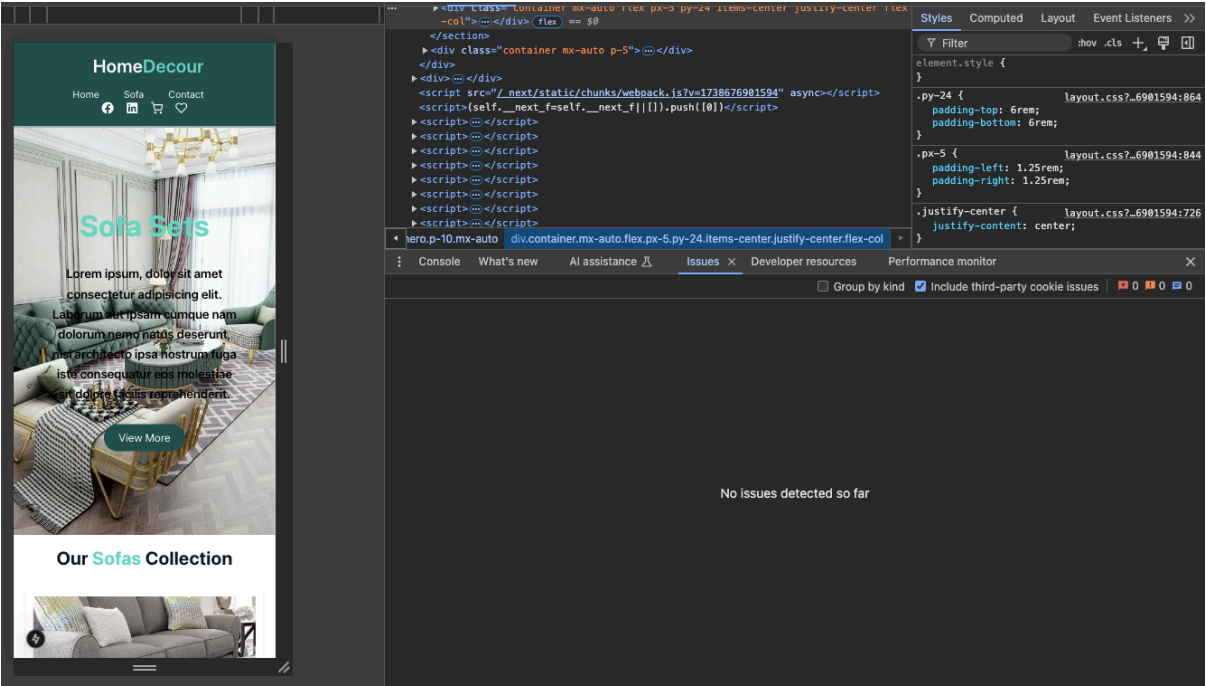
Performance monitoring:



Developer Resources:



Issues:



Security:

