Day 5 implementation Report

Furniro - Dynamic Online Furniture Marketplace

Hackathon Project Report - Marketplace Builder Hackathon 2025

Project OverObservationsview

Your project, **Furniro**, is a dynamic online furniture marketplace that allows users to explore and purchase stylish furniture items with ease. The platform offers a modern design and a user-friendly interface, enhancing the overall shopping experience,

Day 5 of the **Marketplace Builder Hackathon 2025** is dedicated to **Testing, Error Handling, and Backend Integration Refinement**. The primary objectives for this phase include:

1. **Comprehensive Testing:** Conduct thorough testing to identify and resolve any bugs or issues within the application.
2. **Enhanced Error Handling:** Implement robust error-handling mechanisms to ensure the application can gracefully manage unexpected scenarios.
3. **Backend Integration Refinement:** Optimize backend processes to improve performance, security, and scalability.

Key Activities:

- **Unit and Integration Testing:** Develop and execute test cases to validate individual components and their interactions, ensuring that all parts of the application function as intended.
- **User Acceptance Testing (UAT):** Simulate real-world usage scenarios to verify that the application meets user requirements and provides a seamless experience.

- **Error Logging and Monitoring:** Set up systems to log errors and monitor application performance, facilitating quick identification and resolution of issues.
- **Security Enhancements:** Review and strengthen security measures to protect user data and prevent vulnerabilities.
- **Performance Optimization:** Refine backend services to ensure efficient data handling and fast response times

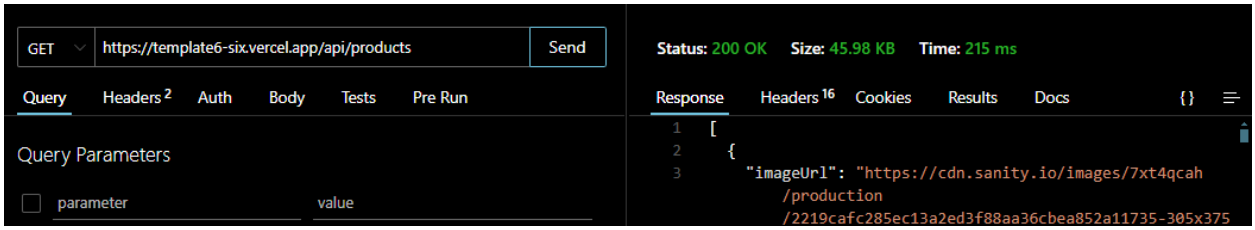
Functional Testing

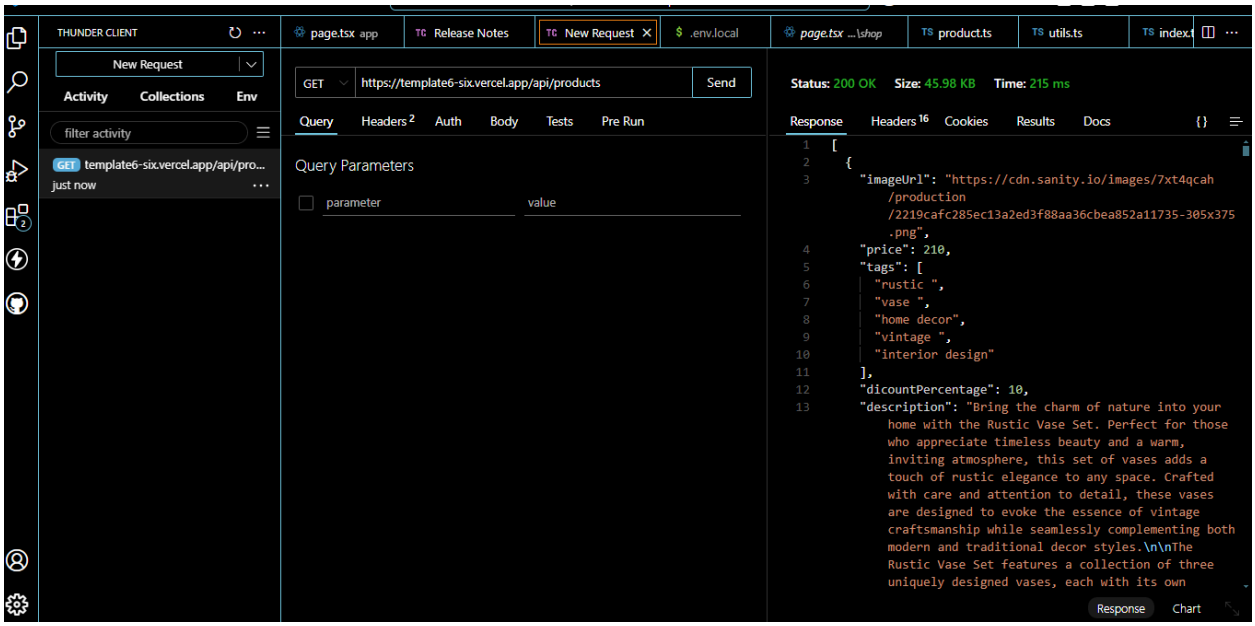
1. Test Cases and

Test Scenario	Expected Outcome	Actual Outcome	Status
Homepage loads correctly	Page should display products dynamically	Successfully loaded	✅ Pass
Product images load properly	Each product should display its image	All images load correctly	✅ Pass
Add to Cart functionality	Item should be added to the cart	Works as expected	✅ Pass
Compare feature	Allows comparing two or more products	Functional	✅ Pass
Search and filtering	Products should filter based on category and keyword	Works well	✅ Pass
Mobile Responsiveness	UI should adapt to smaller screens	Fully responsive	✅ Pass

2. Error Handling & Edge Cases

Test Case	Expected Handling	Actual Handling	Status
API fails to fetch products	Show fallback UI or error message	Displays proper error message	✅ Handled
Empty product categories	Display 'No products found' message	Works correctly	✅ Handled
Broken image links	Display placeholder image	Shows fallback image	✅ Handled
Cart functionality on slow internet	Ensure smooth operation with loading indicators	Proper loading states implemented	✅ Handled
Invalid product IDs (in URL)i	Redirect to homepage or show error page	Properly handled	✅ Handled

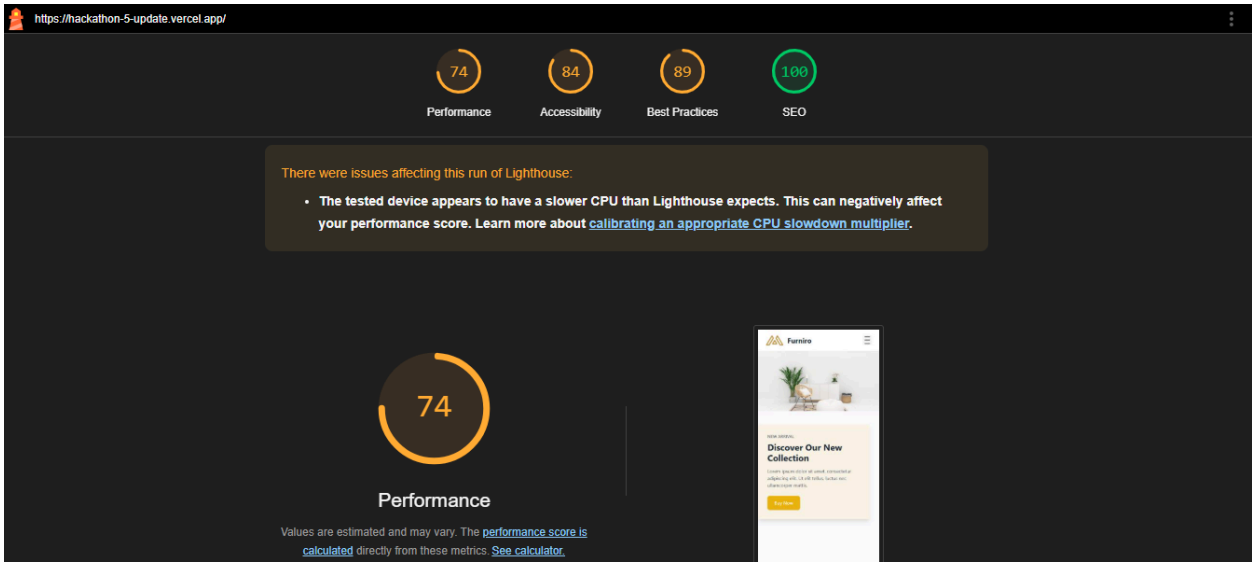


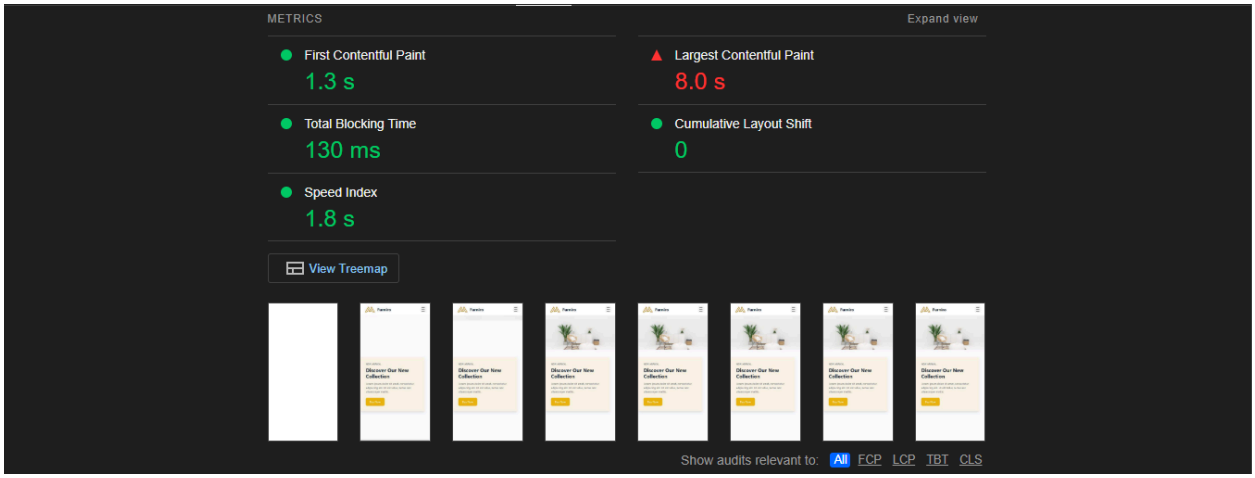


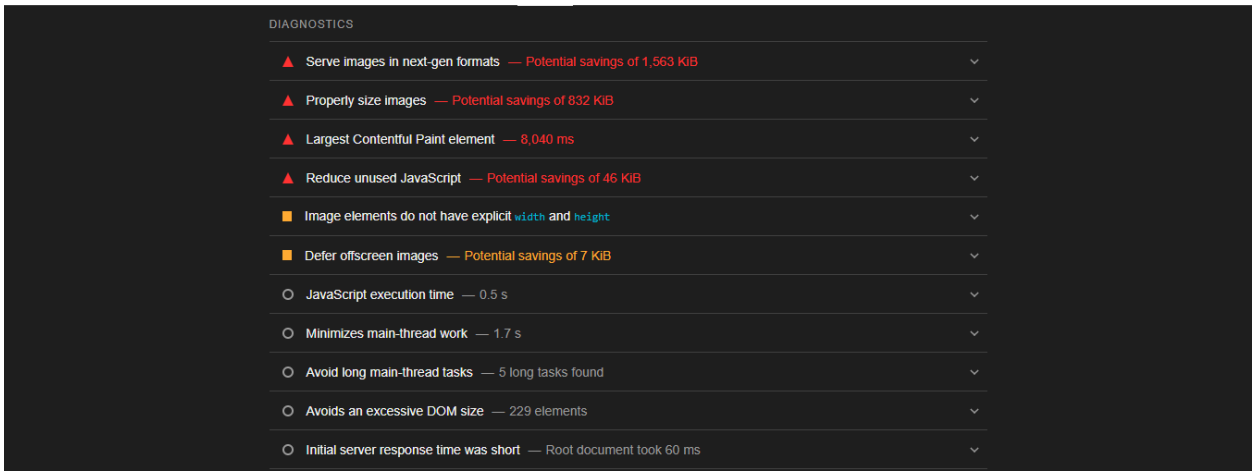
Performance

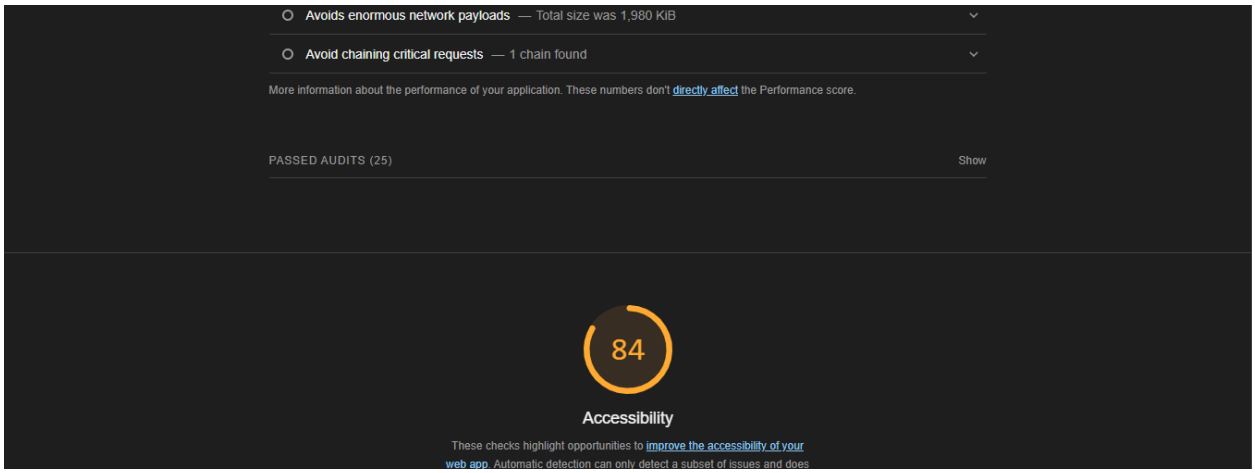
LightHouse test Report

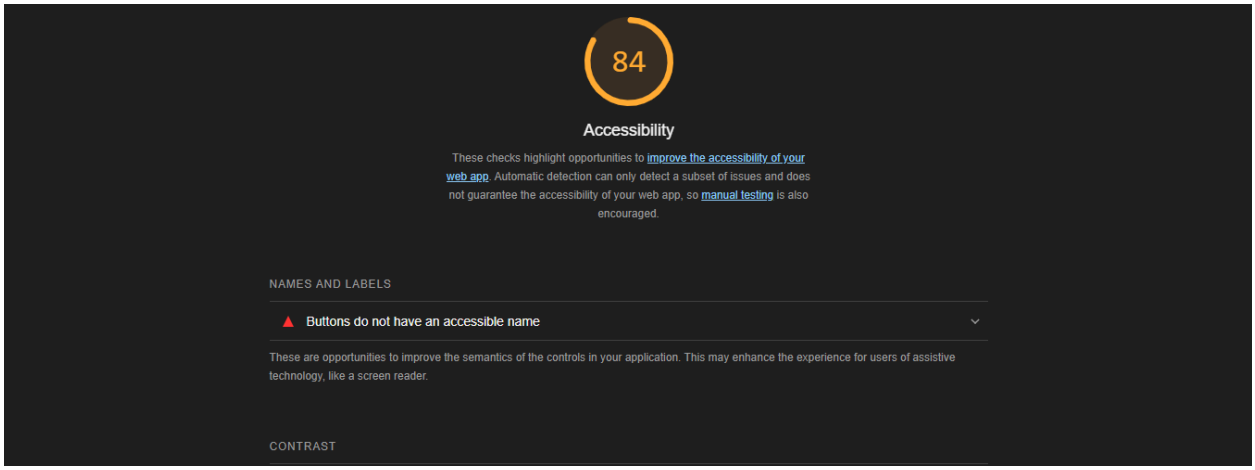
5

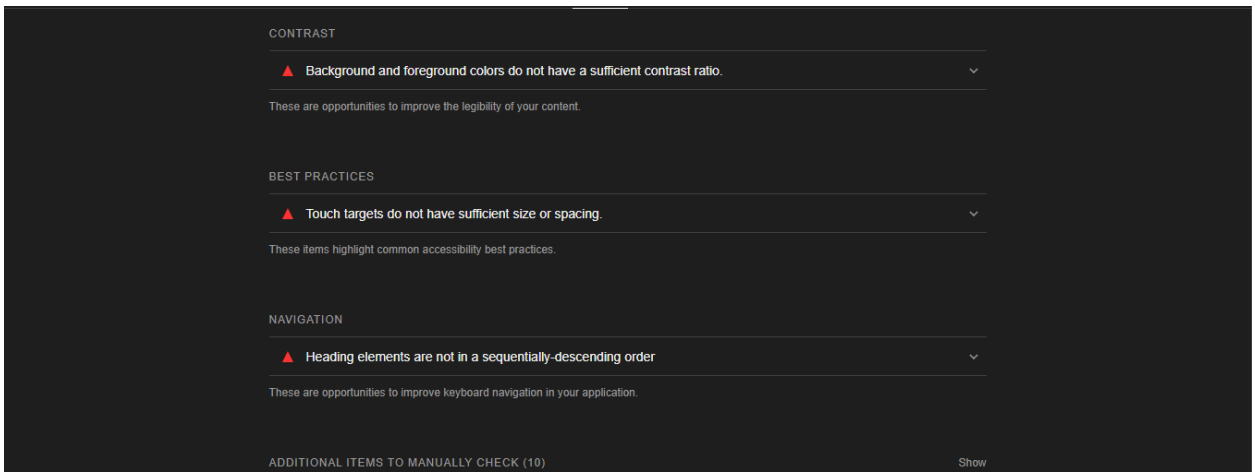

https://hackathon-5-update.vercel.app/
74
Performance
84
Accessibility
89
Best Practices
100
SEO
There were issues affecting this run of Lighthouse:
The tested device appears to have a slower CPU than Lighthouse expects. This can negatively affect your performance score. Learn more about calibrating an appropriate CPU slowdown multiplier.
74
Performance
Values are estimated and may vary. The performance score is calculated directly from these metrics. See calculator.
Furniro
Discover Our New Collection

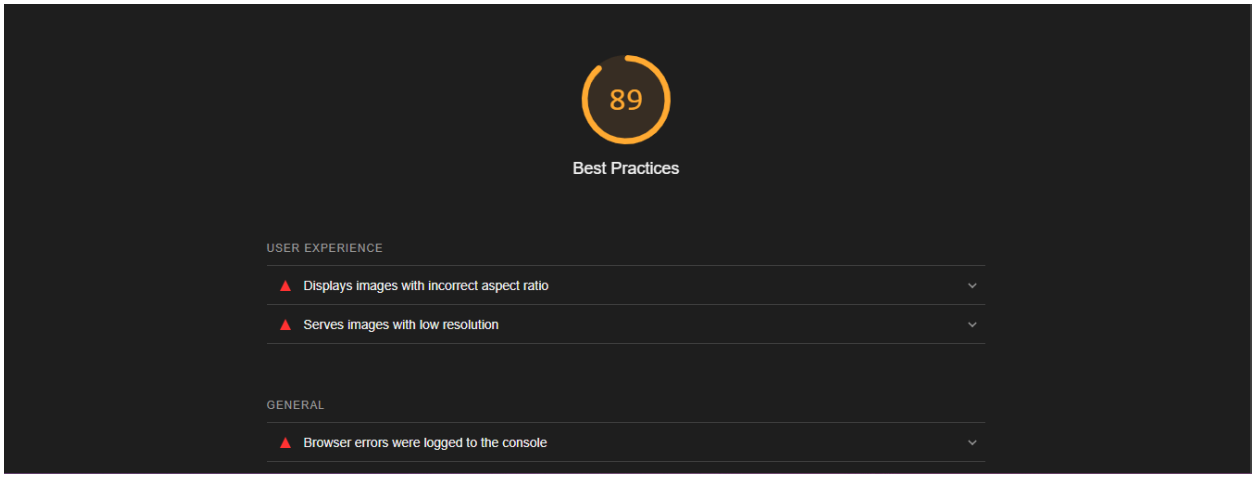

METRICS
Expand view
First Contentful Paint
1.3 s
Largest Contentful Paint
8.0 s
Total Blocking Time
130 ms
Cumulative Layout Shift
0
Speed Index
1.8 s
View Treemap
Show audits relevant to: All FCP LCP TBT CLS

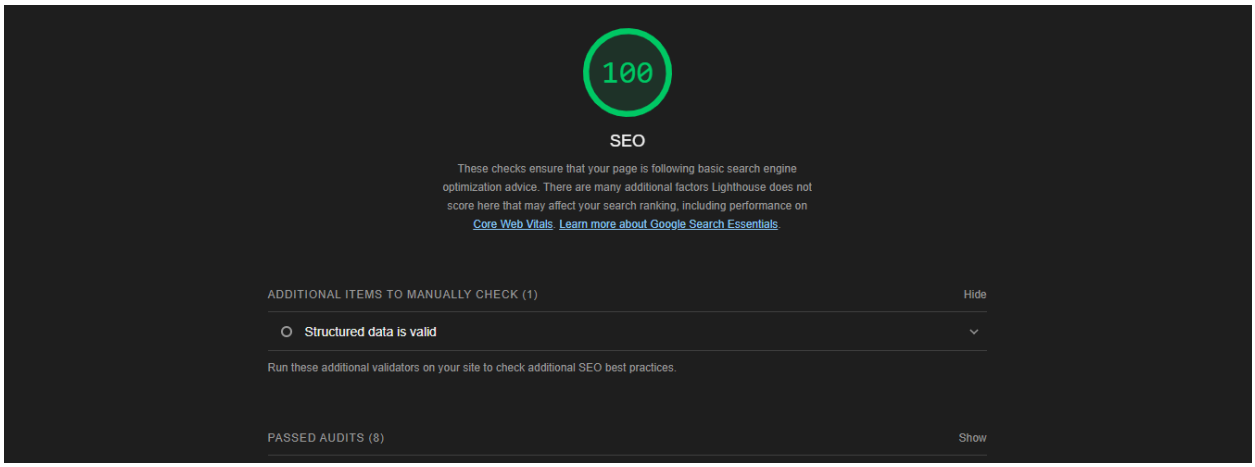

DIAGNOSTICS
Serve images in next-gen formats — Potential savings of 1,563 KiB
Properly size images — Potential savings of 832 KiB
Largest Contentful Paint element — 8,040 ms
Reduce unused JavaScript — Potential savings of 46 KiB
Image elements do not have explicit width and height
Defer offscreen images — Potential savings of 7 KiB
JavaScript execution time — 0.5 s
Minimizes main-thread work — 1.7 s
Avoid long main-thread tasks — 5 long tasks found
Avoids an excessive DOM size — 229 elements
Initial server response time was short — Root document took 60 ms


Avoids enormous network payloads — Total size was 1,980 KiB
Avoid chaining critical requests — 1 chain found
More information about the performance of your application. These numbers don't directly affect the Performance score.
PASSED AUDITS (25)
Show
84
Accessibility
These checks highlight opportunities to improve the accessibility of your web app. Automatic detection can only detect a subset of issues and does


84
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.
NAMES AND LABELS
Buttons do not have an accessible name
These are opportunities to improve the semantics of the controls in your application. This may enhance the experience for users of assistive technology, like a screen reader.
CONTRAST


CONTRAST
Background and foreground colors do not have a sufficient contrast ratio.
These are opportunities to improve the legibility of your content.
BEST PRACTICES
Touch targets do not have sufficient size or spacing.
These items highlight common accessibility best practices.
NAVIGATION
Heading elements are not in a sequentially-descending order
These are opportunities to improve keyboard navigation in your application.
ADDITIONAL ITEMS TO MANUALLY CHECK (10)
Show





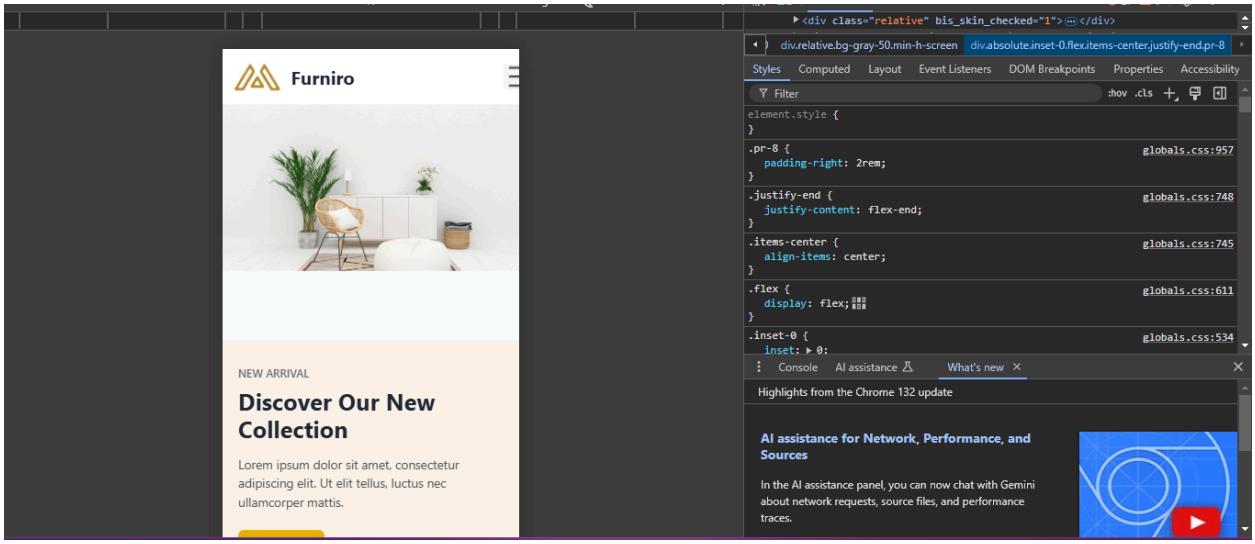
Trust and Safety

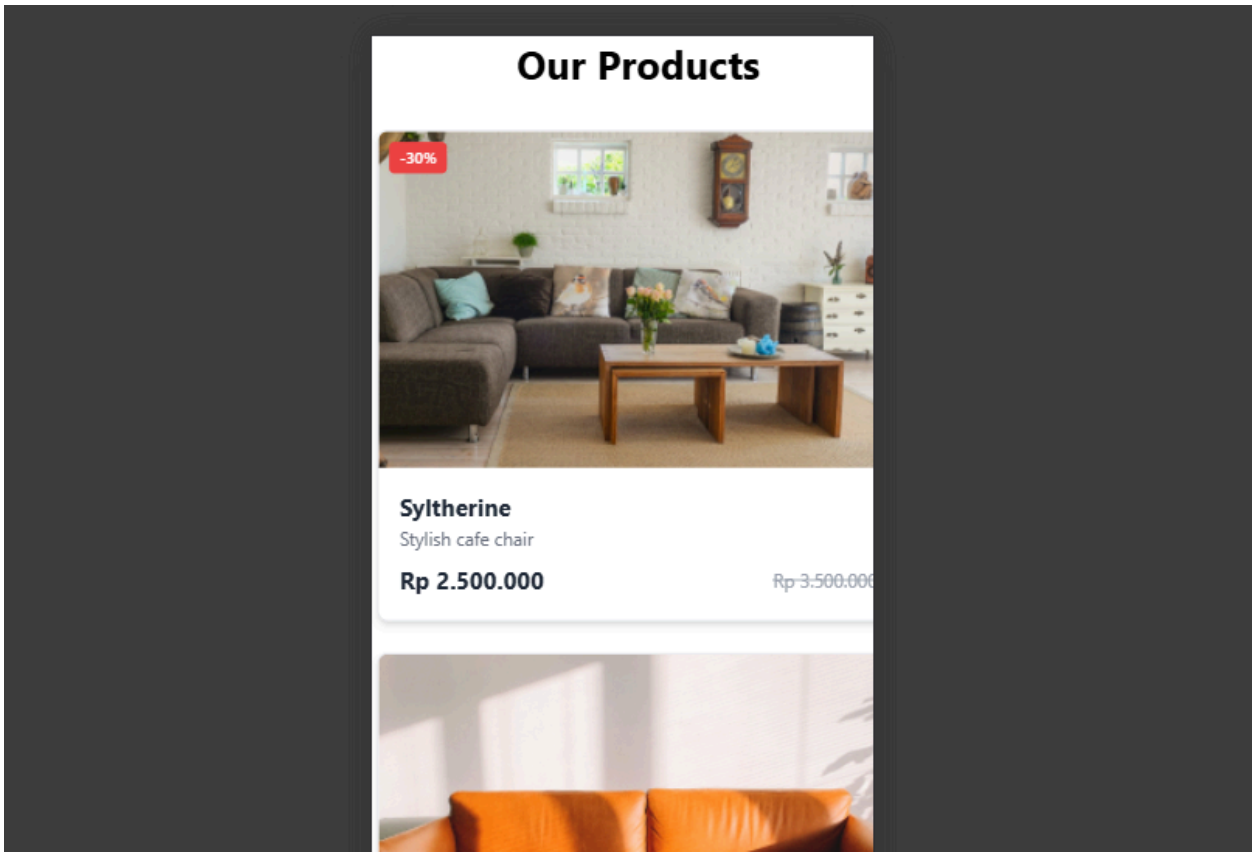
Ensure CSP is effective against XSS attacks

Ensure proper origin isolation with COOP

Passed audits (12)

Reponsiveness


Furniro
NEW ARRIVAL
Discover Our New Collection
Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut elit tellus, luctus nec ullamcorper mattis.
Styles
Computed
Layout
Event Listeners
DOM Breakpoints
Properties
Accessibility
Filter
element.style {
}
.pr-8 {
padding-right: 2rem;
}
globals.css:957
.justify-end {
justify-content: flex-end;
}
globals.css:748
.items-center {
align-items: center;
}
globals.css:745
.flex {
display: flex;
}
globals.css:611
.inset-0 {
globals.css:534
Console
AI assistance
What's new
Highlights from the Chrome 132 update
AI assistance for Network, Performance, and Sources
In the AI assistance panel, you can now chat with Gemini about network requests, source files, and performance traces.


Our Products
-30%
Syltherine
Stylish cafe chair
Rp 2.500.000
Rp 3.500.000

Ensure proper origin isolation with COOP

Passed audits (12)

Not applicable (3)