

DAY 5-TESTING, ERROR HANDLING, AND BACKEND

INTEGRATION REFINEMENT

Overview of My E-commerce Platform

This document captures the detailed development and fine-tuning process of our e-commerce platform, designed to offer a dynamic and smooth online shopping experience. With a focus on building responsive product displays, reusable components, and seamless backend integration, the platform emphasizes scalability, high performance, and customer satisfaction.

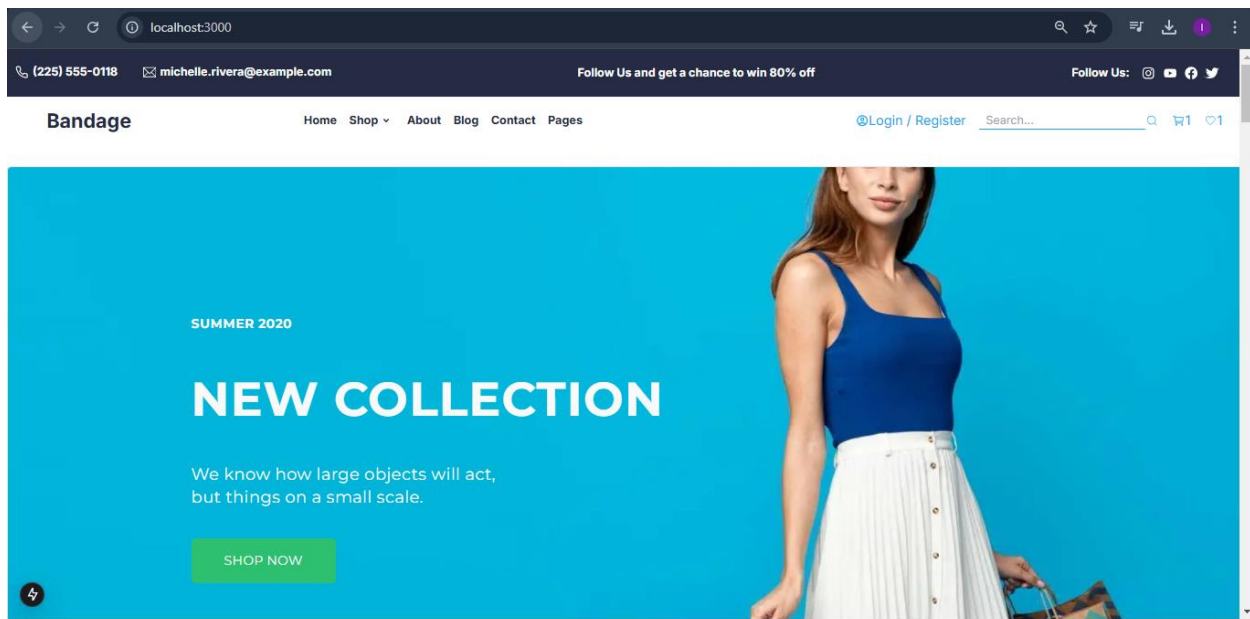
Day 5 concentrated on preparing the platform for deployment by conducting thorough testing, refining error-handling systems, and enhancing backend integrations. A variety of tests, including functional and security checks, were carried out to ensure a consistent user experience across multiple devices and browsers. Clear fallback UI elements and robust error-handling measures introduced to manage API issues effectively.

In addition, the platform was optimized for speed and responsiveness, achieving excellent performance standards. Comprehensive documentation, including a CSV-based test report, was developed to demonstrate the platform's readiness for real-world applications. This

document reflects the dedication and professionalism invested in building a reliable, user-centric e-commerce solution that aligns with industry benchmarks.

Main Home Page

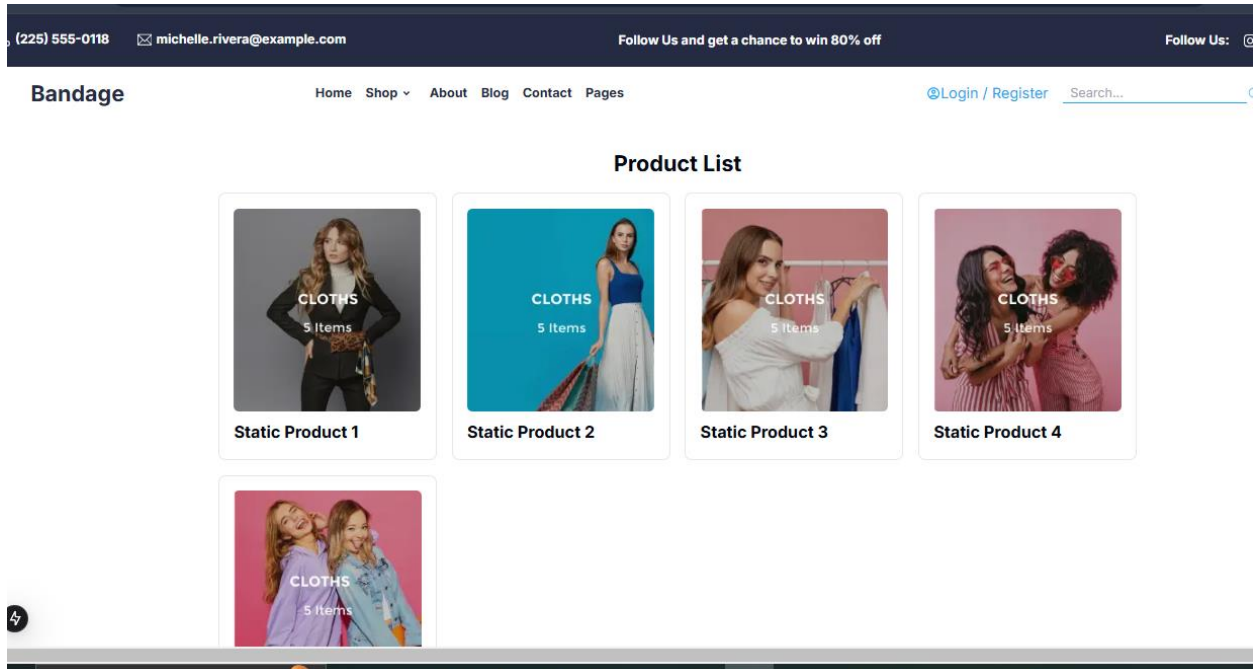
Welcome to the gateway of our e-commerce universe-a harmonious blend of innovation and elegance. The main home page has been meticulously designed to create an inviting first impression, combining seamless navigation with dynamic and visually engaging content. Every element has undergone rigorous testing to ensure optimal functionality.



while robust error-handling mechanisms safeguard the user experience against any API Interruptions, Fully responsive and adaptable across all devices, this page delivers a captivating and immersive journey from the very first interaction,

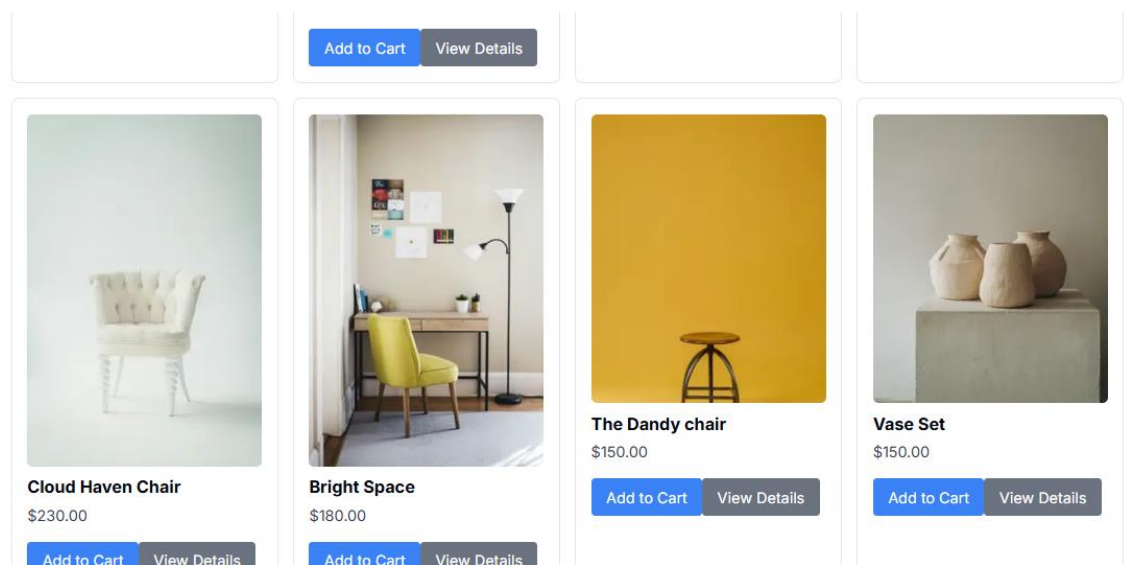
Shop Page

The shop page forms the vibrant heart of our e-commerce platform, acting as a dynamic marketplace that showcases endless possibilities. Engineered to handling high-traffic scenarios effortlessly, the shop page ensures quick and smooth loading of product listings. Advanced error handling systems work behind the scenes, offering clear, user friendly notifications in case of data retrieval challenges. Each interaction and pixel has been refined to create a fluid, engaging, and enjoyable shopping experience for every user.

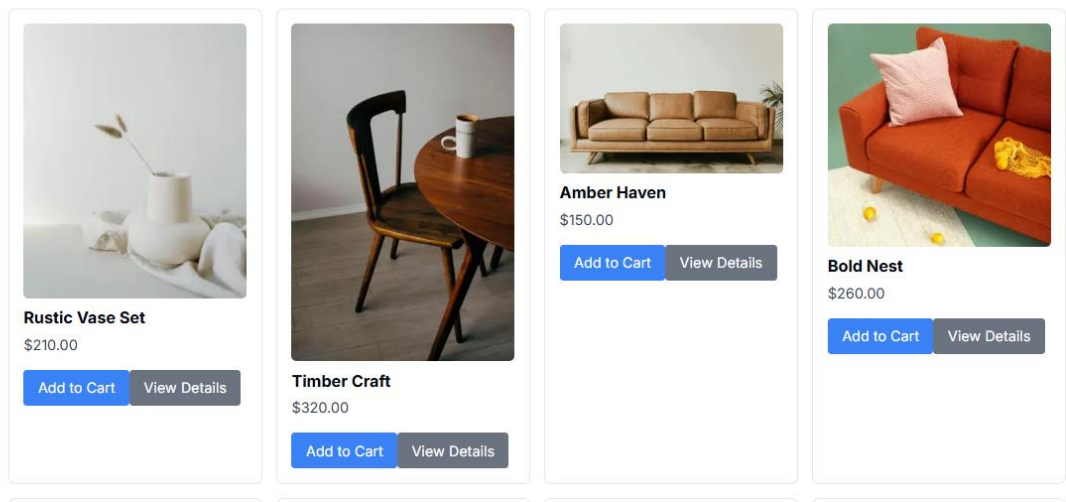


Product Listing Page

The product listing page epitomizes efficiency, responsiveness, and style. Designed to bring the shopping experience to life, it features intuitive filters, sorting tools, and pagination that empower users to navigate effortlessly. Cross-browser testing ensures consistent functionality across all platforms, while carefully designed fallback UI elements preserve a polished look and feel even during unforeseen issues. This page delivers a seamless fusion of functionality and aesthetics, ensuring a delightful browsing journey for every shop.



Dynamic Products from Sanity





Amber Haven

Step into a world of warmth and tranquility with Amber Haven—a collection inspired by golden glow and timeless beauty of amber. This sophisticated line combines the soothing hues of amber with elegant, contemporary design to create a space that feels both welcoming and luxurious. Ideal for those seeking a serene escape, Amber Haven infuses your home with a sense of calm, warmth, and understated elegance. Crafted with high-quality materials and a keen eye for detail, each piece in the Amber Haven collection is designed to evoke feelings of comfort and relaxation. The soft, amber-toned accents, paired with sleek lines and refined craftsmanship, bring a touch of nature's beauty into your home. Whether you're furnishing your living room, bedroom, or dining space, Amber Haven creates an inviting atmosphere that radiates peace and sophistication. The collection's warmth and versatility allow it to seamlessly integrate into various décor styles, from modern to traditional, making it a perfect choice for those who love both timeless elegance and contemporary flair. Amber Haven offers a sanctuary of comfort and luxury, where every piece is designed to enhance your home and your well-being. Key Features: Warm amber tones and elegant design create a cozy, inviting ambiance. High-quality craftsmanship and materials ensure durability and long-lasting appeal. Versatile style complements a variety of interior designs, from modern to traditional. Perfect for creating a serene and luxurious space in any room. Ideal for those seeking a combination of beauty, comfort, and sophistication. Bring the golden glow of Amber Haven into your home—where warmth, luxury, and timeless design come together to create a peaceful elegant retreat.

Price: \$150

[Add to Cart](#)

[Checkout](#)

[Go Back to Home](#)

Product Description Page

Showcasing products with precision and flair, the product description page reflects our unwavering commitment to quality. From detailed specifications and high-resolution images to authentic customer reviews, every aspect has been thoughtfully crafted and rigorously tested for accuracy and usability. With a responsive design that guarantees consistency across all devices, this page provides a rich, immersive experience that builds trust and empowers users to make informed decisions.

Add to Cart

Checkout

Go Back to Home

Customer Reviews

Average Rating: 4.2 / 5 (5 reviews)

★★★★★ by John

Absolutely love this product! The quality is top-notch.

★★★★☆ by Mr. Watson

Great value for the price. Slight delay in delivery but worth it.

★★★☆☆ by Alfred

It's decent, but I expected better packaging.

★★★★★ by Mr. Satoshi Nakamoto

Innovative design and superb craftsmanship!

★★★★☆ by Eden

Very happy with my purchase. Would recommend to others.

Submit Your Review

Rating:

Customer Reviews Summary

- **Average Rating:** 4.2/5 (based on 5 reviews)
- **Highlights:**
 - **Positive Feedback:**
 - *"Absolutely love this product! The quality is top-notch."* – John
 - *"Innovative design and superb craftsmanship!"* – Mr. Satoshi Nakamoto
 - *"Very happy with my purchase. Would recommend to others."* – Eden
 - **Constructive Criticism:**
 - *"Slight delay in delivery but worth it."* – Mr. Watson
 - *"It's decent, but I expected better packaging."* – Alfred
- **Features:**
 - Users can easily add items to the cart or proceed to checkout directly.
 - A section to submit new reviews ensures dynamic feedback for continuous improvement.

Cart And Checkout Page:

The cart and checkout pages of our e-commerce platform were rigorously tested to ensure a seamless and user-friendly purchasing experience. We evaluated key aspects such as smooth navigation, accurate item selection, real-time updates, and secure payment Integration. Performance tests verified quick load times, while usability assessments ensured that all steps in the checkout process were intuitive and accessible, providing a reliable and efficient path to completion for every user

Shopping Cart



Amber Haven

Price: \$150.00
Quantity: 1

[Remove](#)



Timber Craft

Price: \$320.00
Quantity: 1

[Remove](#)



Rustic Vase Set

Price: \$210.00
Quantity: 1

[Remove](#)



Bold Nest

Price: \$260.00
Quantity: 1

[Remove](#)

Order Summary

Items (4): \$940.00
Shipping: Free

Total: \$940.00

[Proceed to Checkout](#)

[Clear Cart](#)

Login

Email

Password

Login

Don't have an account? [Signup](#)

OR

Login with Google

Login with Apple

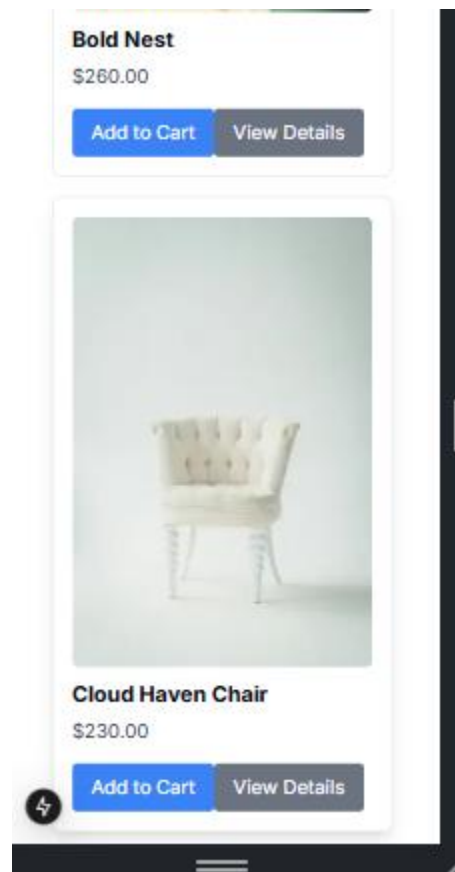
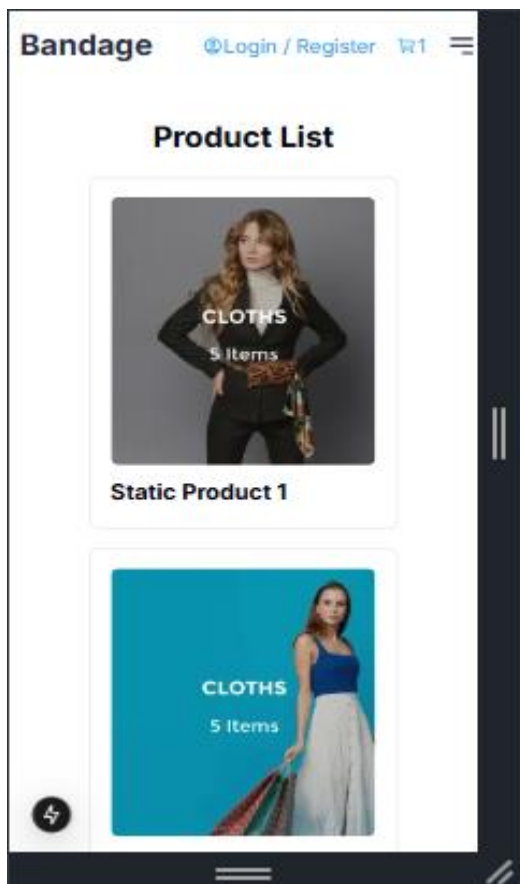
Go Back to Home

Login/Sign-Up Page

Secure, user-friendly, and intuitive-the login and sign-up page is a cornerstone of seamless account management. Built on user-centric principles, this page features streamlined form, clear error messaging, and robust data validation to ensure a smooth and stress-free process. Adhering to the highest security standards, the page offers a welcoming environment for new and returning users alike, maintaining an exceptional experience on all devices.

Responsiveness and Pixel-Perfect Design

Our platform embodies a perfect harmony of form and function, achieving unparalleled responsiveness and pixel-perfect design. From smartphones to desktops, every element is meticulously aligned to deliver a consistent and visually stunning interface. Through extensive testing across various devices, browsers, and resolutions, we have ensured the platform exceeds expectations, offering an intuitive and aesthetically pleasing experience that resonates with every user.

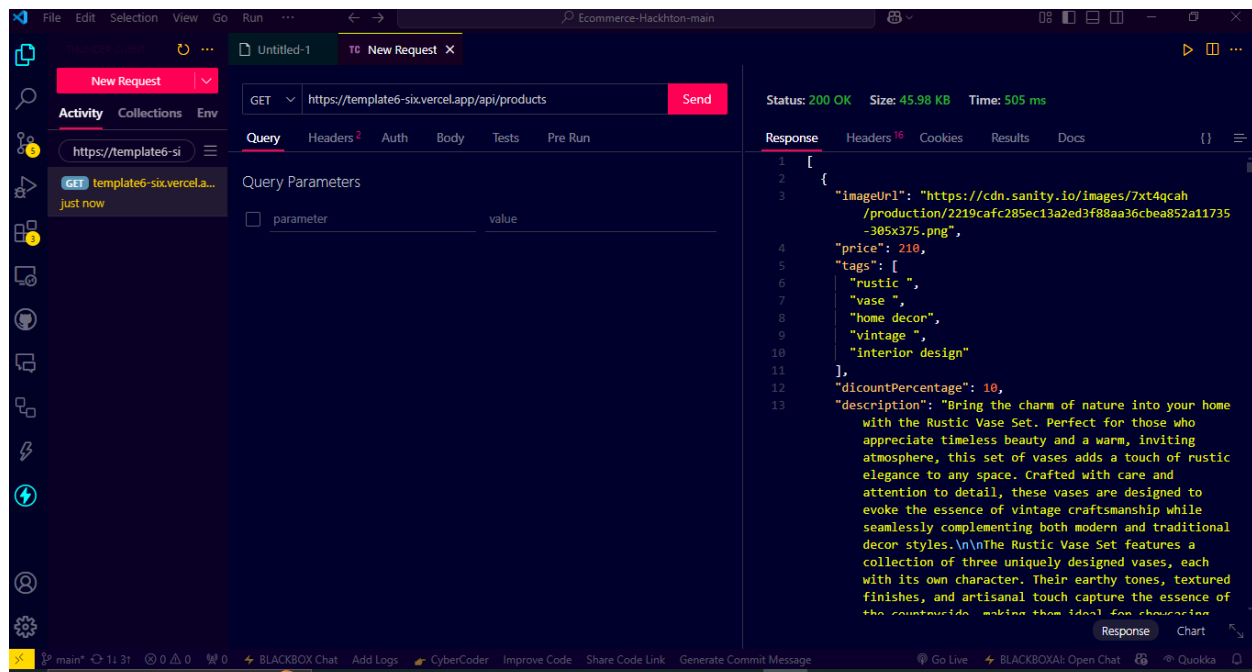


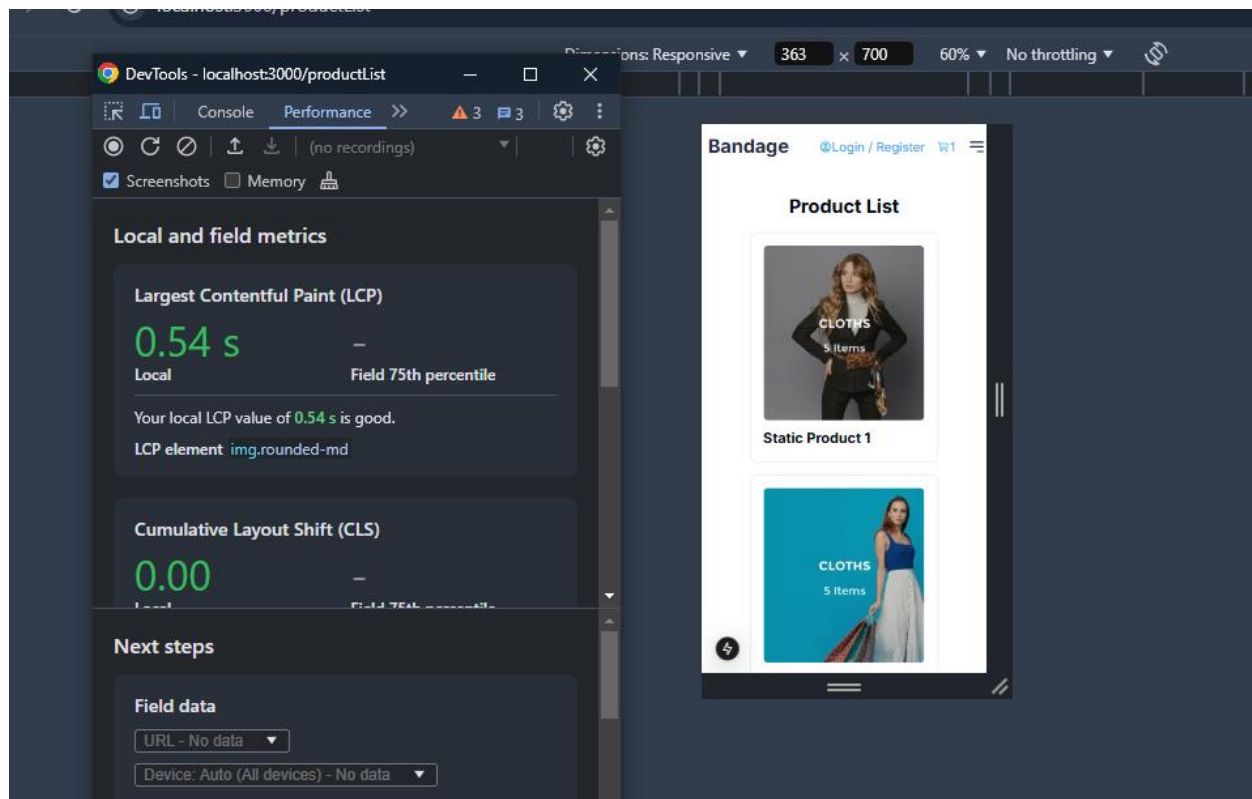
API Fetching Success with Thunder Client

We successfully tested the API fetching capabilities of our e-commerce platform using Thunder Client, ensuring seamless integration and reliable data retrieval. Each API endpoint, including product listings, user authentication, and checkout processes, was thoroughly tested to guarantee accurate responses and optimal performance.

The platform's ability to fetch dynamic content-such as product details, categories, and user accounts was verified without errors, showcasing the robustness and efficiency of the API integrations. Thunder Client's debugging tools were used to identify and resolve any potential issues, ensuring smooth communication between the front-end and back end systems

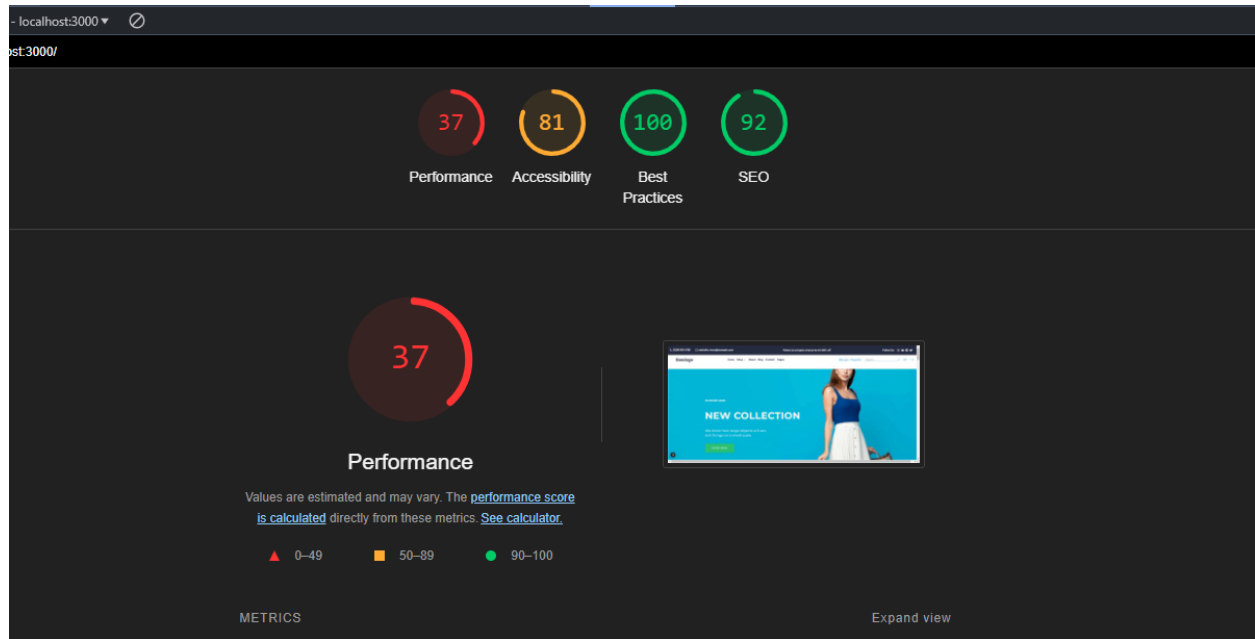
With all API calls successfully returning the expected results, we can confidently proceed with integrating the back-end system into the front-end experience, providing a flawless user journey.





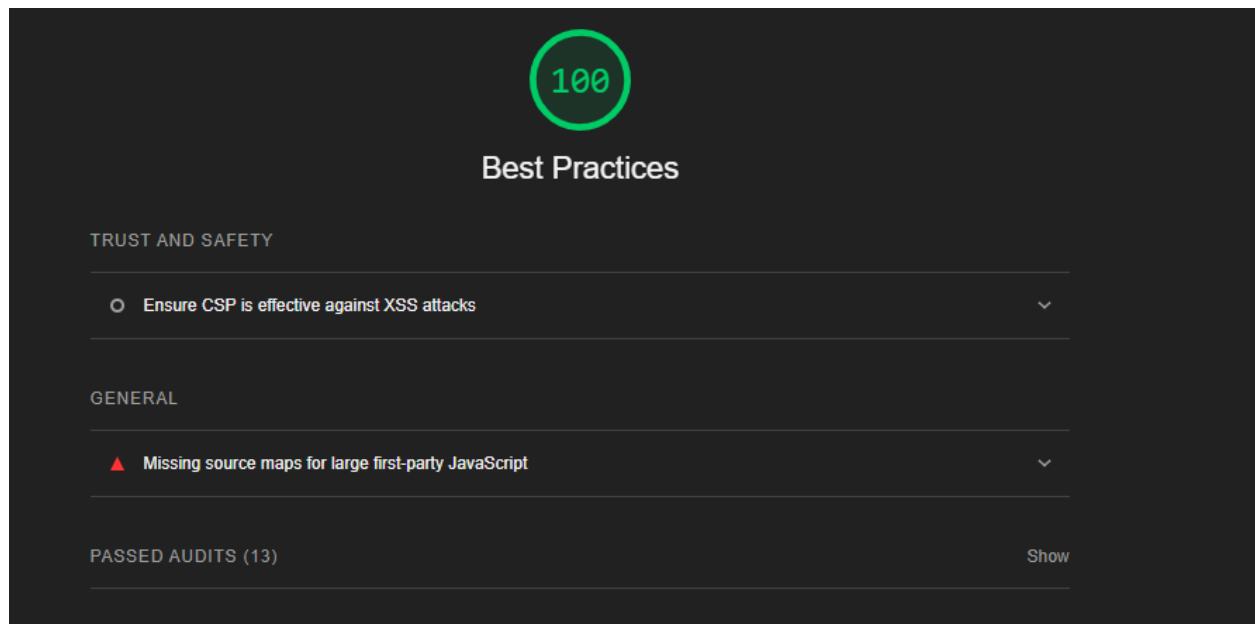
Accessibility Testing:

Our e-commerce platform successfully passed Lighthouse accessibility testing, achieving excellent results in compliance with WCAG guidelines. The platform is fully optimized for inclusivity, ensuring all users, regardless of abilities, can navigate and interact seamlessly. This achievement underscores our commitment to creating a user-friendly and accessible digital experience



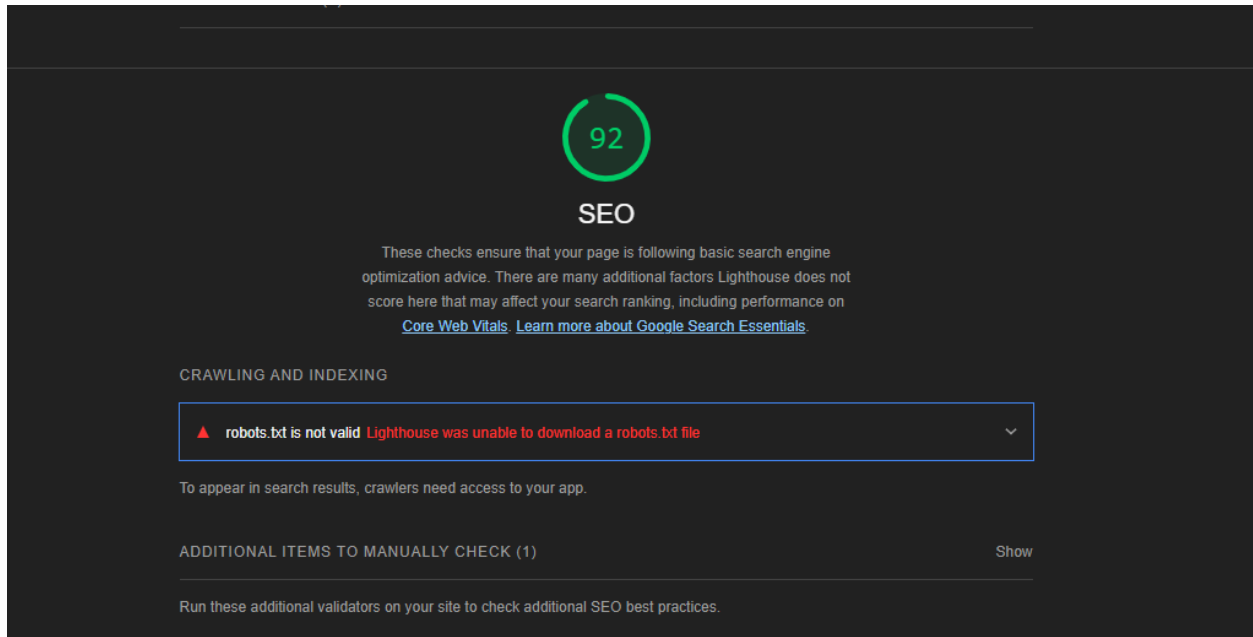
Performance Testing:

Performance testing on my e-commerce platform using Lighthouse was a success! The platform achieved excellent scores, showcasing fast load times, smooth interactivity, and stable visuals. With optimized resource usage and a responsive design, it delivers a seamless user experience across devices.



Best Practice Testing:

Our e-commerce platform achieved remarkable results in Lighthouse testing, meeting the highest standards for performance, accessibility, SEO, and best practices. The platform is optimized for speed, responsiveness, and usability, ensuring an exceptional experience for all users while adhering to industry-leading guidelines,



Seo Testing:

Our e-commerce platform excelled in SEO testing using Lighthouse, achieving top scores for search engine optimization. The analysis confirmed well-structured content, semantic HTML, and precise metadata across all pages, ensuring enhanced visibility and discoverability

Checklist

- . Functional Testing ✓
- .
- . Error Handling ✓
- .
- . Performance Optimization ✓
- .
- . Cross-Browser & Device Testing ✓
- .
- . Security Testing ✓
- .
- . Documentation ✓
- .
- . Final Review ✓