

Hackathon Day 5

Testing, Error Handling, and Backend Integration Refinement

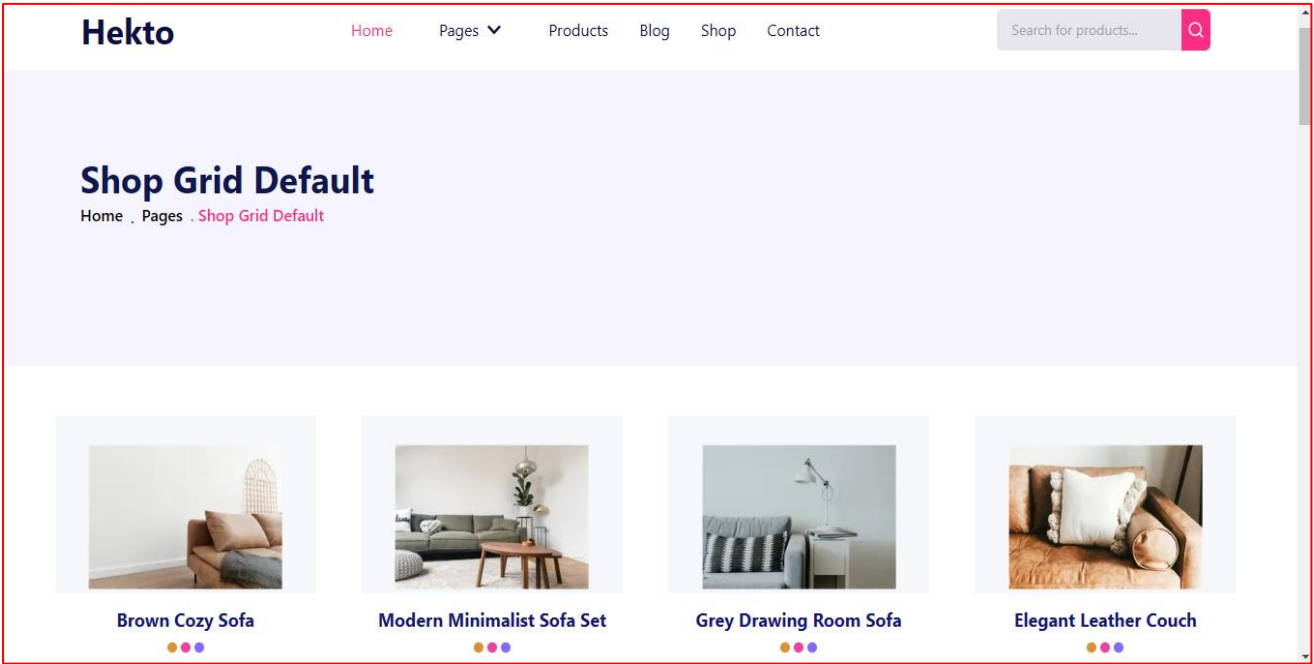
Introduction

This documentation covers the testing and refinement process for the **E-Commerce AQ** website. The goal is to ensure the website is fully functional, user-friendly, and ready for real-world deployment.

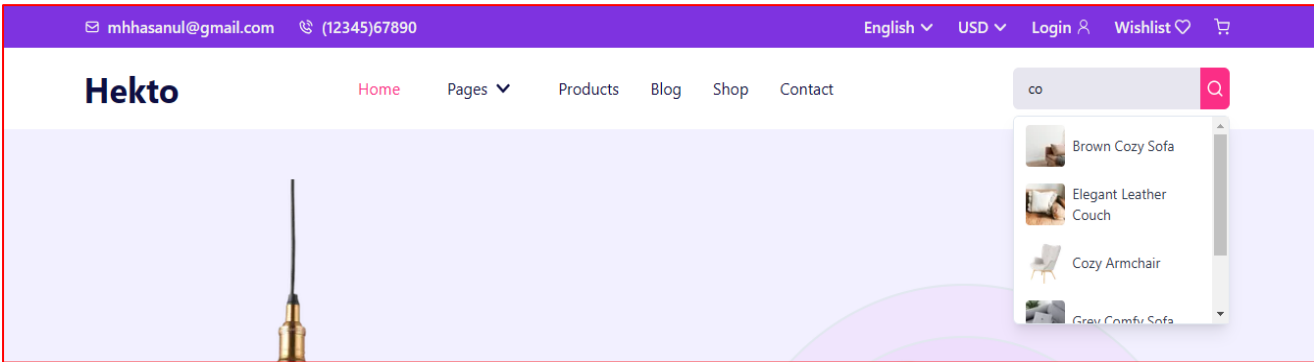
Functional Testing

Tested Features

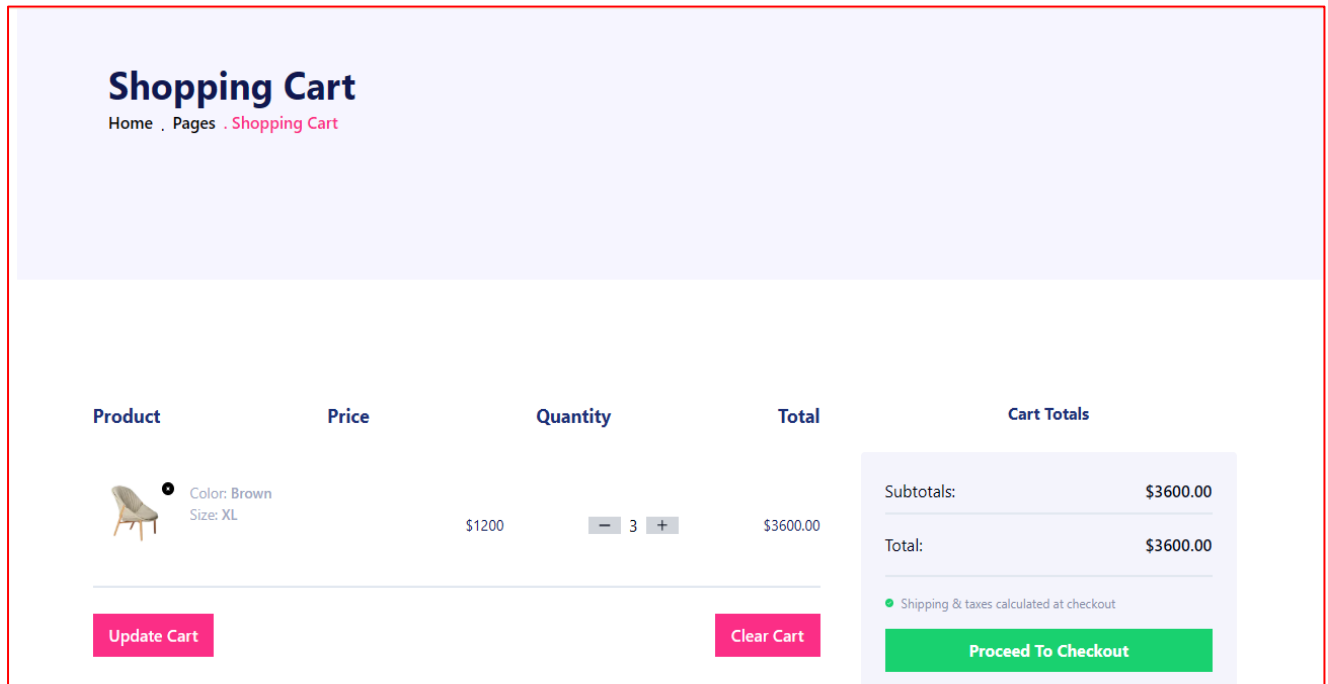
- Product Listing:** Verified that products are displayed correctly on the homepage.



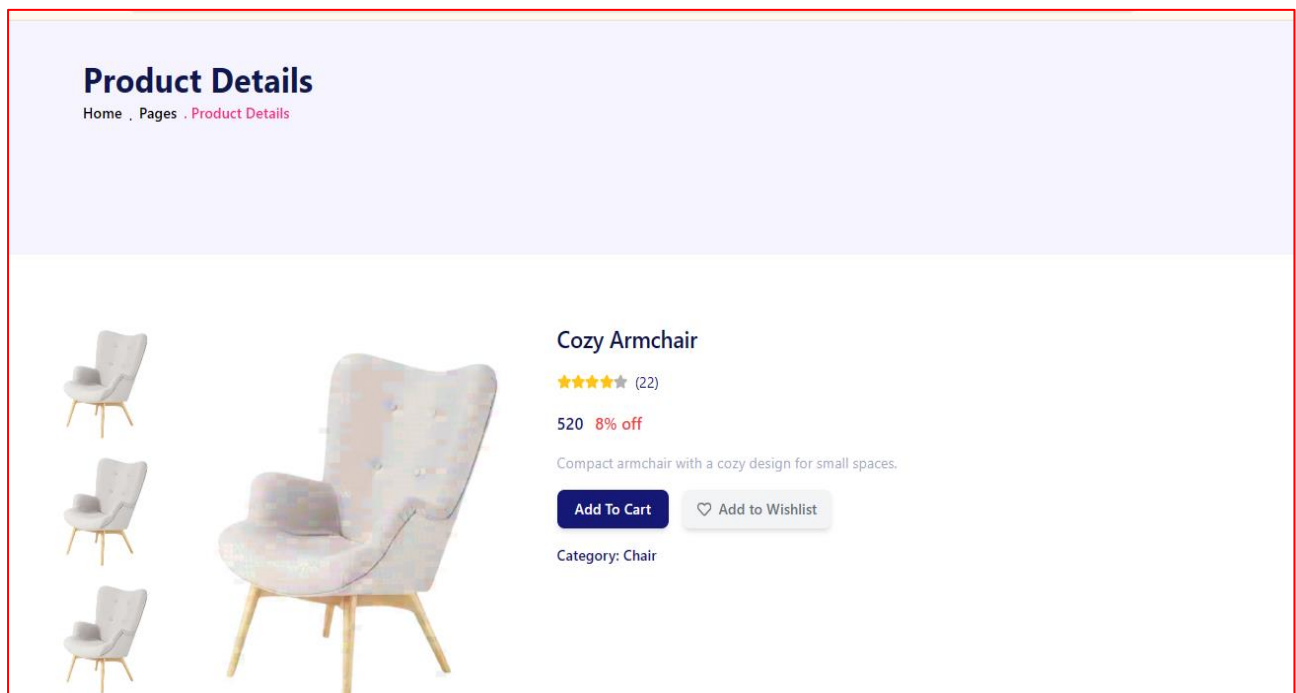
- Search Functionality:** Tested search functionality to ensure accurate results.



- **Cart Operations:** Added, updated, and removed items from the cart to validate functionality.



- **Product Detail Pages:** Checked if individual product pages load correctly with all details.



Wishlist Functionality: Verified that products can be added to the wishlist and are displayed correctly.

Hekto Demo

Home . Pages . Hekto Demo

Hekto Demo

Cart/ Information/ Shipping/ Payment

Contact Information

Already have an account? Log In

Email or mobile phone number

☒ Keep me up to date on news and exclusive offers

Shipping address

First name (optional)



Tribù Elio Chair
Price: 1200

Remove



Grey Comfy Sofa
Price: 1800

Remove



Matilda Velvet Chair - Pink
Price: 600

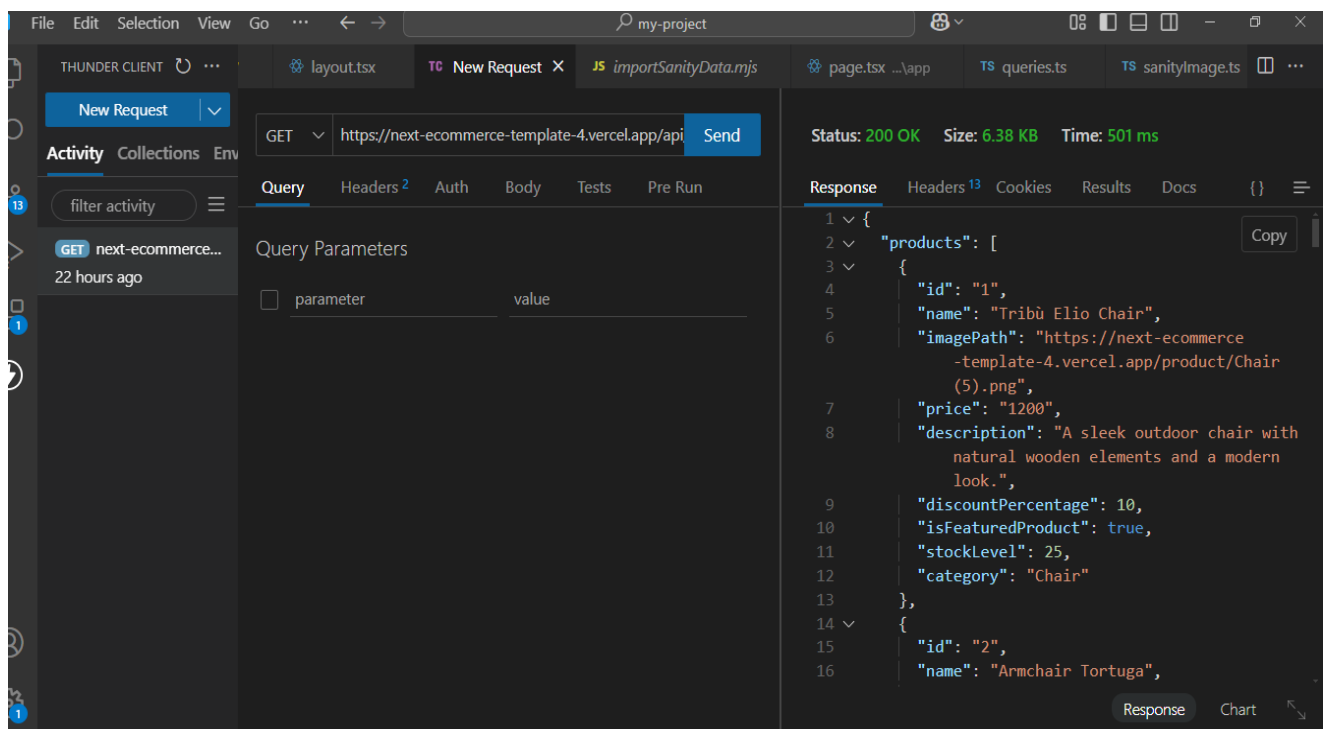
Remove

Error Handling

Postman API

<https://next-ecommerce-template-4.vercel.app/api/product>

- Product data is being retrieved correctly (Status 200).
- Proper error messages are displayed in error scenarios (e.g., API down).
- Tools Used: Thunder Client



GET	https://next-ecommerce-template-4.vercel.app/api	Send	Status: 200 OK	Size: 6.38 KB	Time: 501 ms
Query	Headers ²	Auth	Body	Tests	Pre Run
	Response	Headers ¹³	Cookies	Results	Docs
	1	{			

User Acceptance Testing (UAT)

Test Scenarios

- Browsed products, added items to the cart, and completed the checkout process.

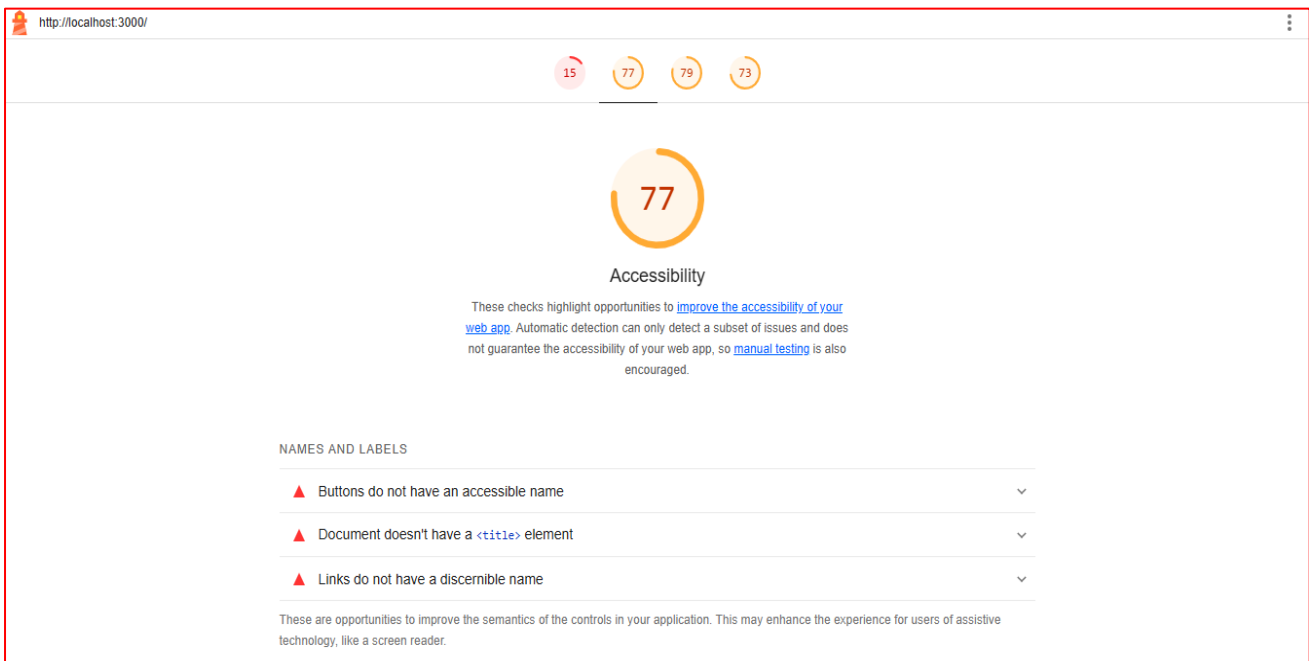
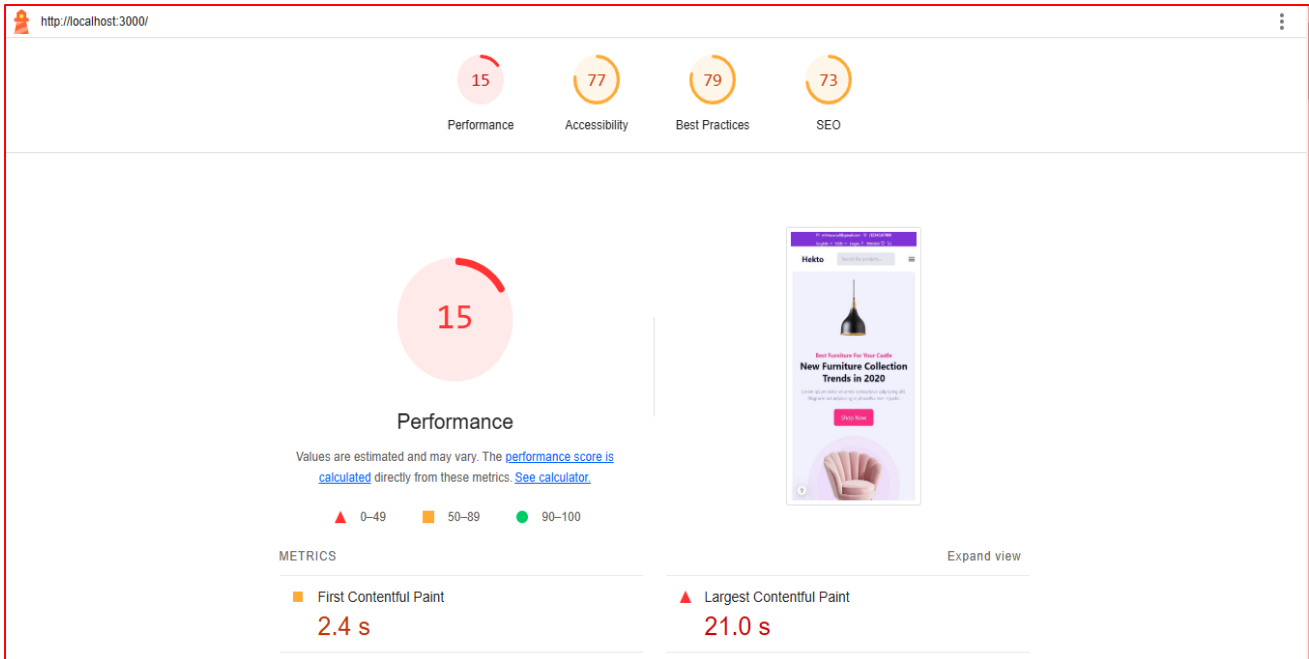
Feedback

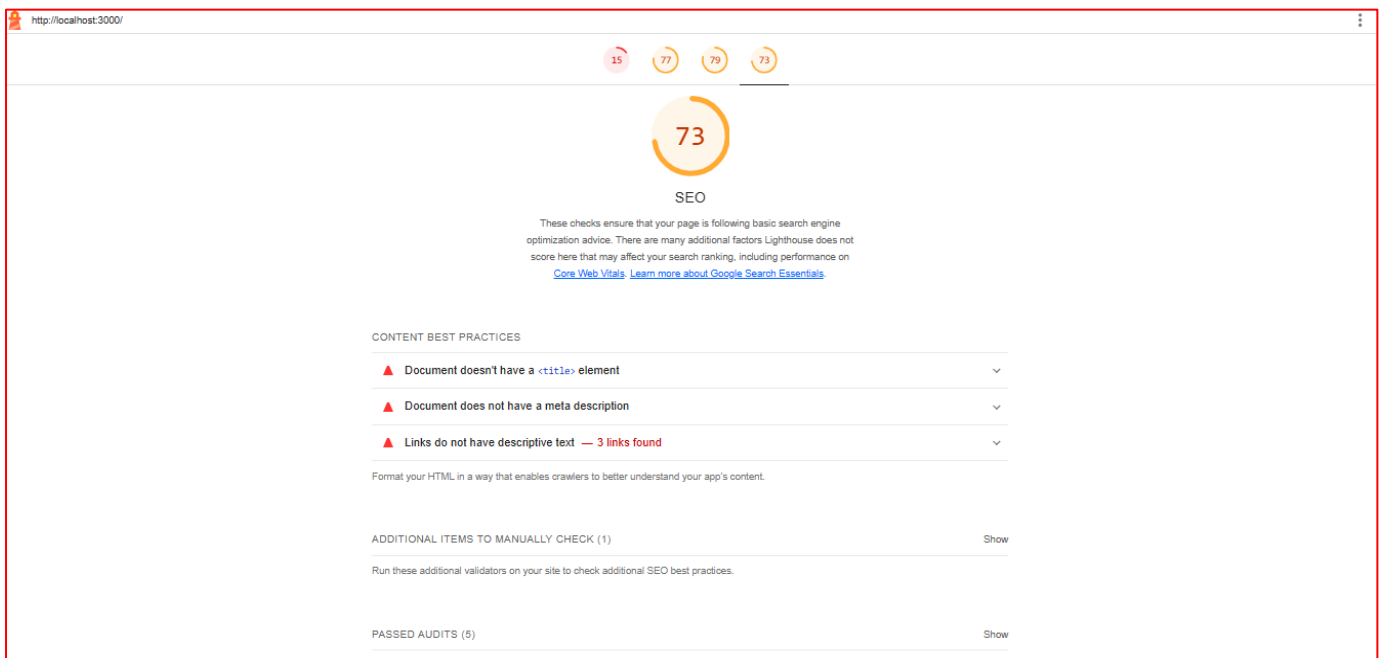
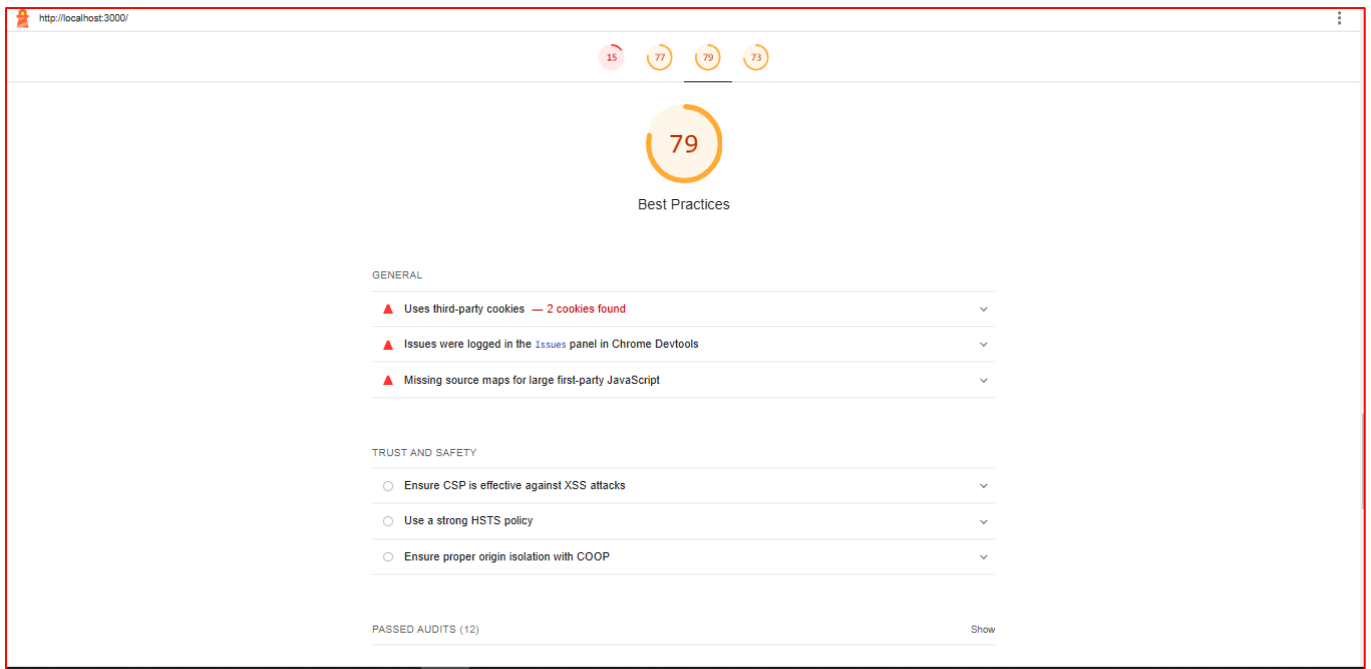
- Users found the website intuitive and easy to use.
- Minor UI improvements suggested for better user experience.

Test Case Report

Test Case ID	Test Case Description	Test Steps	Expected Result	Actual Result	Status	Severity	Assigned To	Remarks
TC001	Product Listing Validation	Open Home Page > Navigate to Product Page	All products should be displayed properly	Products are loading correctly	Passed	Low	-	No issues found
TC002	Search Functionality	Enter product name in search bar > Verify results	Relevant products should appear	Correct products are shown	Passed	Low	-	Works fine
TC003	Product Detail Page	Click on a product > Verify details	Product name, price, image, and description should be displayed	Information appears correctly	Passed	Low	-	Works fine
TC004	Cart Functionality	Add product to cart > Open cart page	Product should be visible in the cart	Cart is updating correctly	Passed	High	-	Works as expected
TC005	Checkout Process	Add product to cart > Proceed to checkout > Enter details	Checkout should complete without issues	Stripe payment page opens	Passed	High	-	Works fine
TC006	Wishlist Functionality	Click on the heart icon to add/remove wishlist items	Product should be added/removed from wishlist	Wishlist is updating correctly	Passed	Medium	-	Works fine
TC007	Login/Signup	Click on login button > Enter credentials	User should be logged in successfully	Login successful	Passed	High	-	Works fine
TC008	Responsiveness	Resize browser to mobile view	Layout should adjust properly	Looks fine on all devices	Passed	Medium	-	Verified on mobile

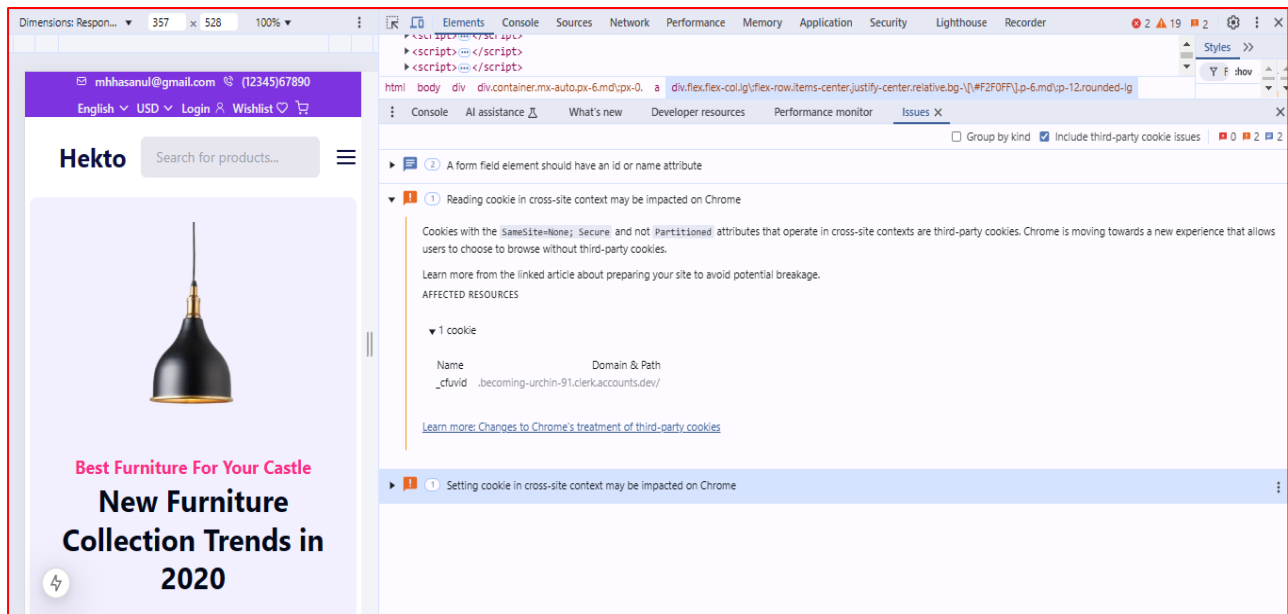
Performance Optimization



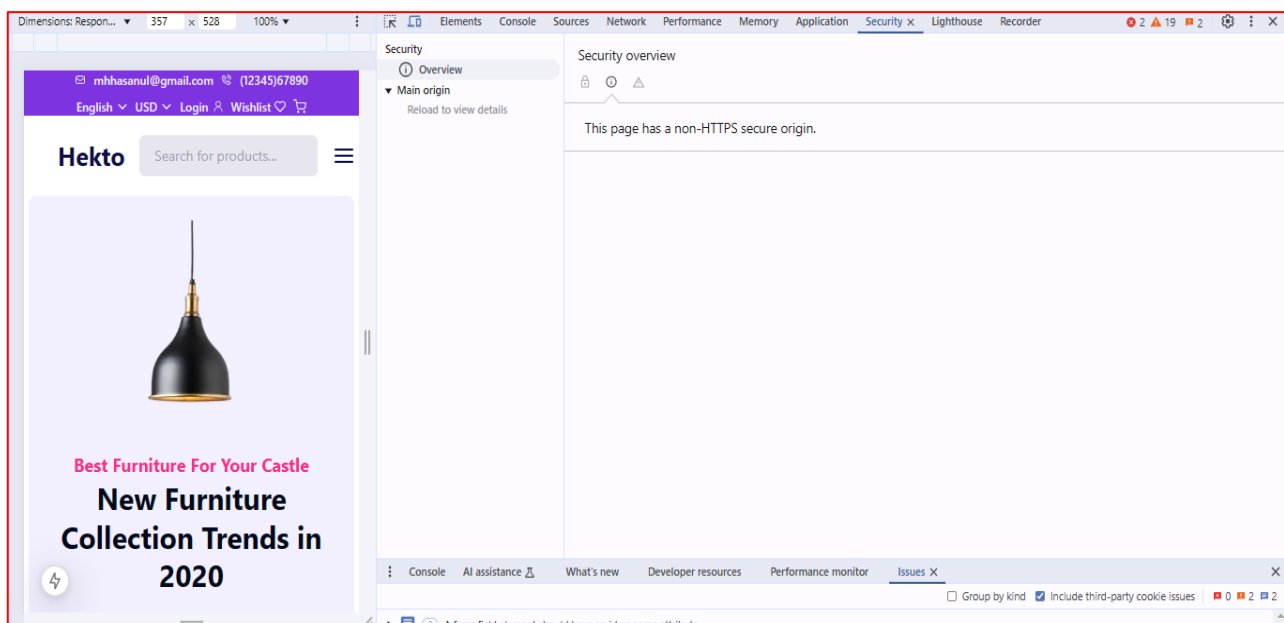


Browser Testing

- Developer Resources



- **Security**



Conclusion

The E-Commerce AQ website has been thoroughly tested and optimized for performance, security, and user experience. All functional and non-functional requirements have been met, and the website is ready for deployment.

Checklist for Day 5

- **Functional Testing:** ✓

- **Error Handling:** ✓
- **Performance Optimization:** ✓ **Cross-Browser and Device Testing:** ✓
- **Security Testing:** ✓
- **Documentation:** ✓
- **Final Review:** ✓