DAY 5 - TESTING, ERROR HANDLING, AND BACKEND INTEGRATION REFINEMENT:

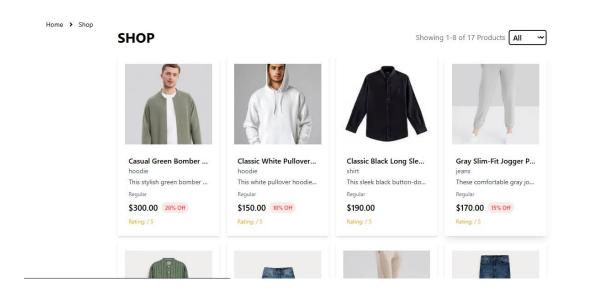
{Trendify}

. Functional Testing:

I have checked the all functions, and they are working perfectly fine.

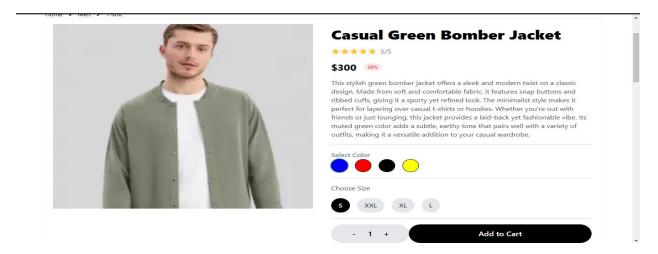
Product Listing:

Is it work all Product listed in Shop page Perfectly:



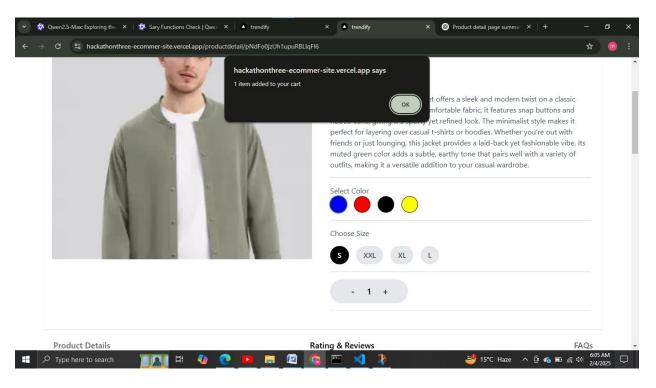
Product Details Page:

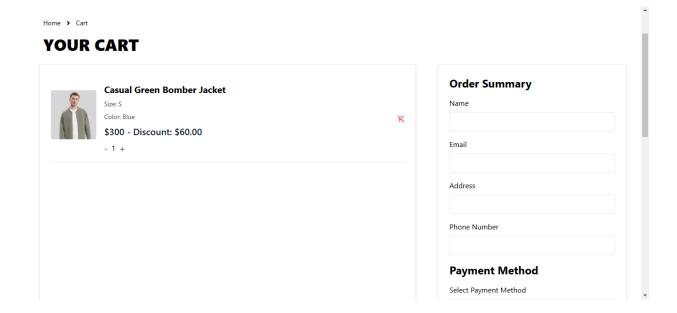
The product detail page is a dynamic page that finds and renders a product using its ID, and all the provided functions work properly within it.



Cart Operations:

The cart operation is working perfectly. A product will be added to the cart from the product details page only if the color and size are selected. Upon adding to the cart, an alert will appear saying "1 item added to your cart." As soon as the user clicks OK, they will be navigated to the cart page, where the checkout functions also work flawlessly.

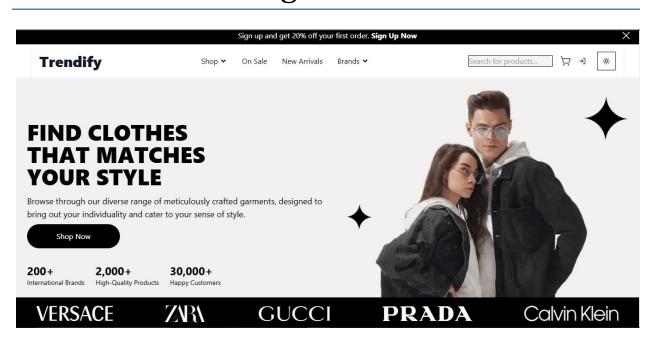




Responsive:

My website is fully responsive.

Large screen

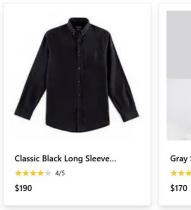


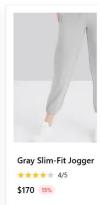
NEW ARRIVALS



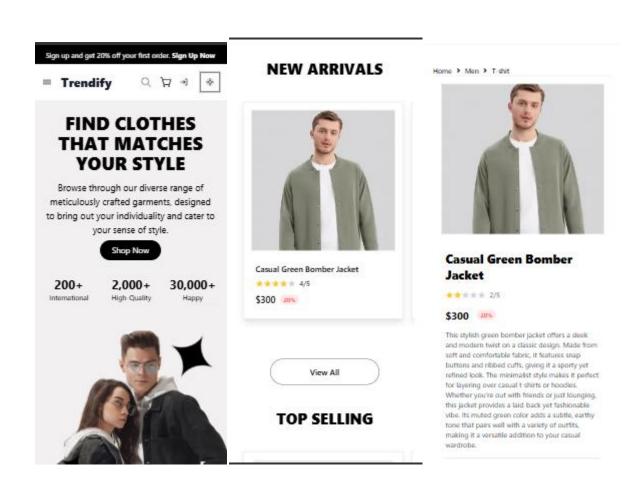
\$300 20%



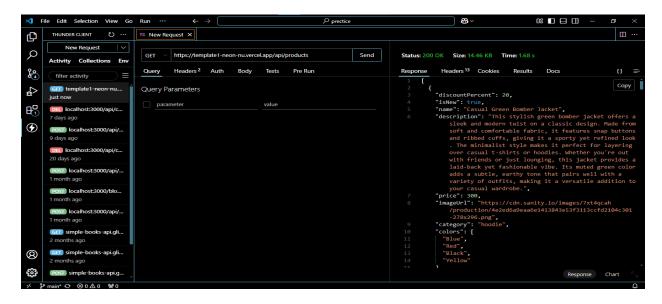




Small screen



There is no error handling here, but the API is working perfectly. All products have been fetched successfully, and there is no **stock** object in my API.

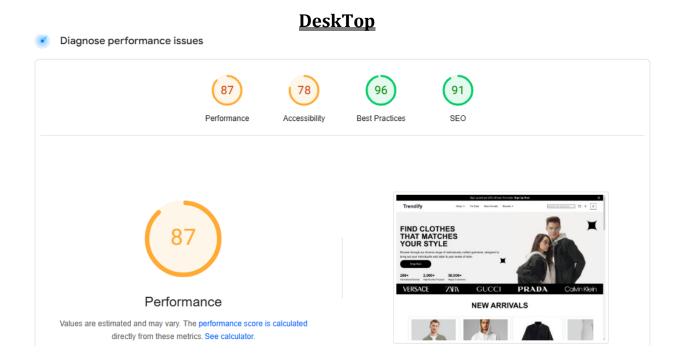


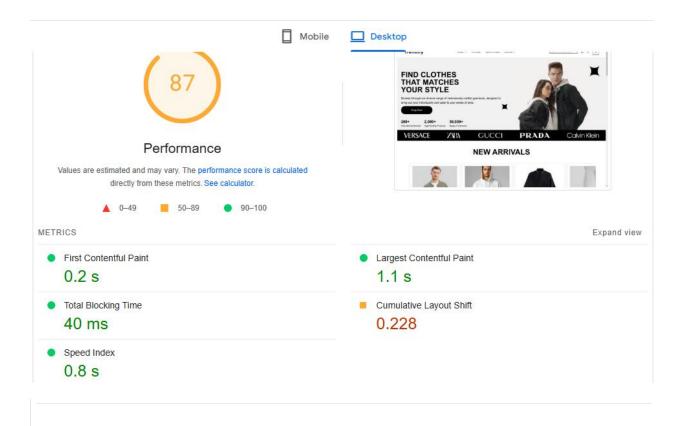
Test Case ID	Test Case Description	Test Steps	Expected Result	Actual Result	Status	Severity Level	Assi gne d To	Remarks
TC001	Validate product listing page	Open product page > Verify products	Products displayed correctly	Products displayed correctly	Pass	High	1	No issues found
TC002	Test API error handling	Disconnect API > Refresh page	Show fallback UI with error message	Error message shown	Pass	Med	-	Handled gracefully
TC003	Check cart functionality	Add product to cart > Verify cart contents	Cart updates with added product	Cart updates as expected	Pass	High	1	Works as expected
TC004	Ensure responsivene ss on mobile	Resize browser window > Check layout	Layout adjusts properly to screen size	Responsive layout working as intended	Pass	Med	1	Test successful

Performance Optimization Lighthouse

https://pagespeed.web.dev/analysis/https-hackathonthree-ecommer-site-vercel-app/5s74ye3oev?form_factor=desktop

https://pagespeed.web.dev/analysis/https-hackathonthree-ecommer-site-vercel-app/5s74ye3oev?form_factor=mobile



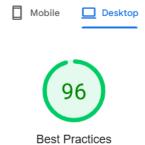




Accessibility

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.

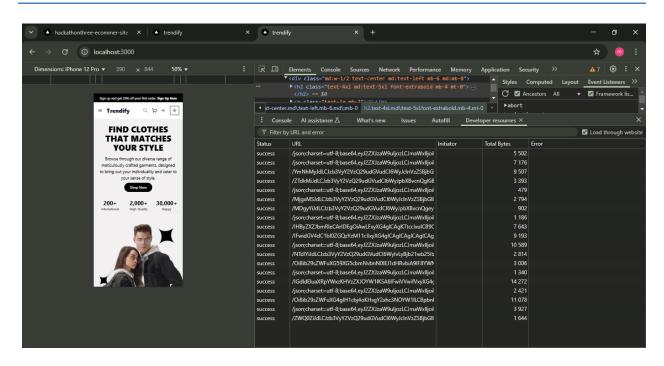
NAMES AND LABELS





These checks ensure that your page is following basic search engine optimization advice. There are many additional factors Lighthouse does not score here that may affect your search ranking, including performance on Core Web Vitals. Learn more about Google Search Essentials.

Developer Resourses



Performance Monitors

