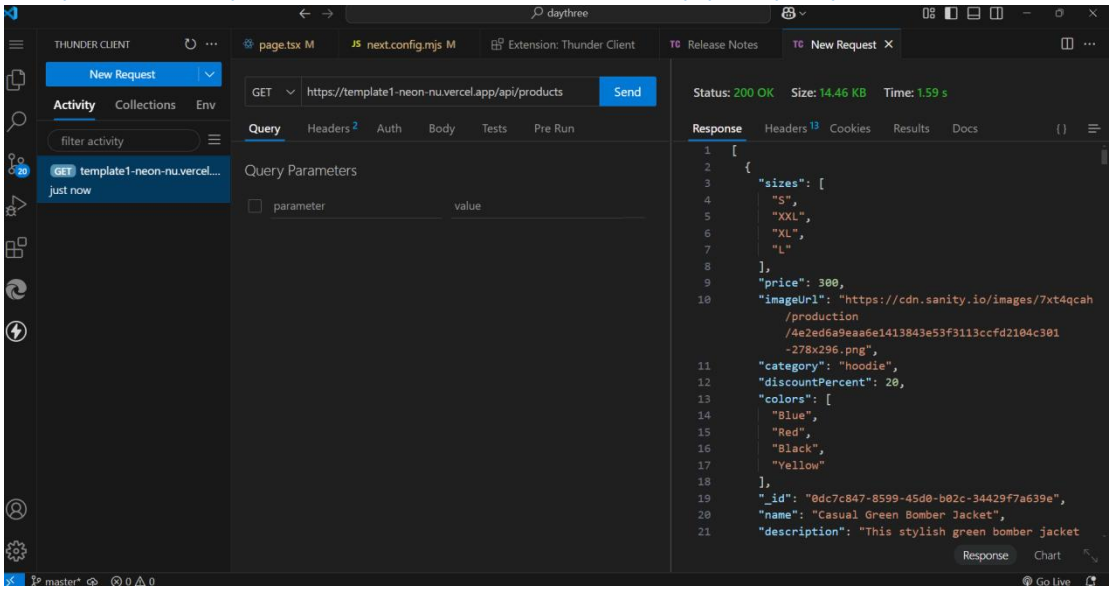
DAY 5 – TESTING, ERROR HANDLING, AND BACKEND INTEGRATION REFINEMENT

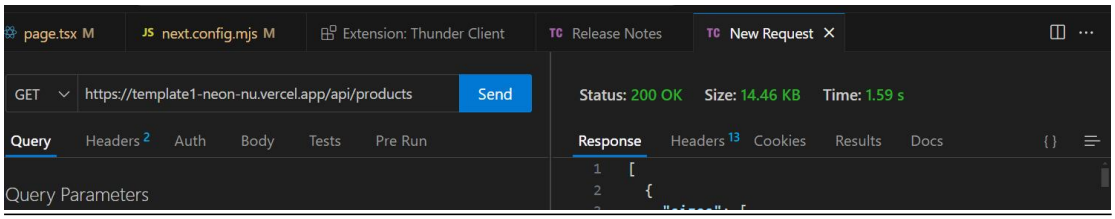
Step 1: Functional Testing

Step2: Error Handling

Step 3: Postman API

https://template1-neon-nu.vercel.app/api/products





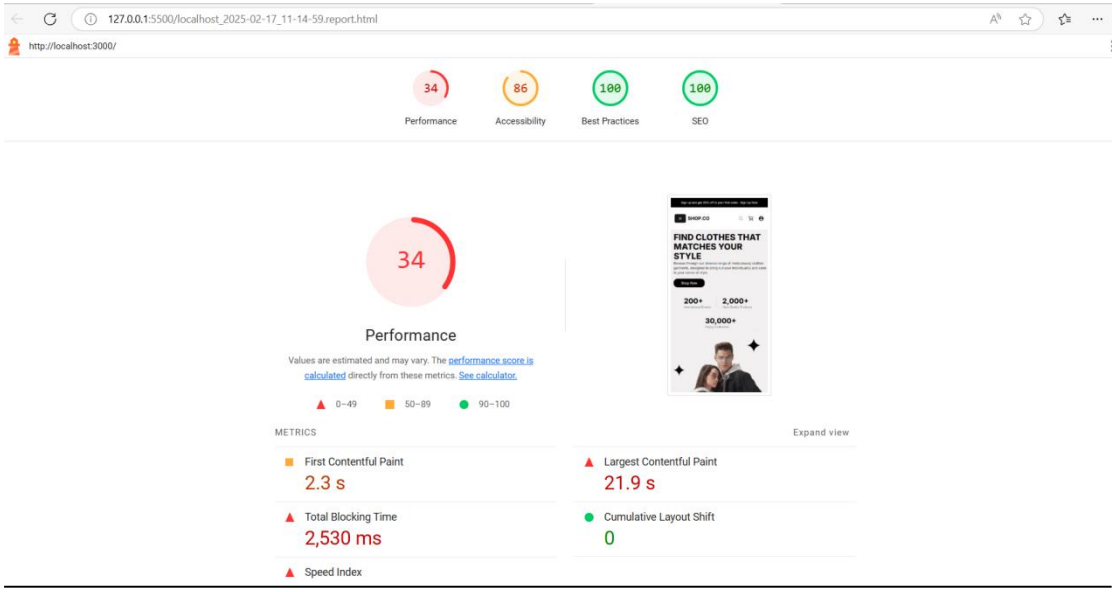
TESTING REPORT

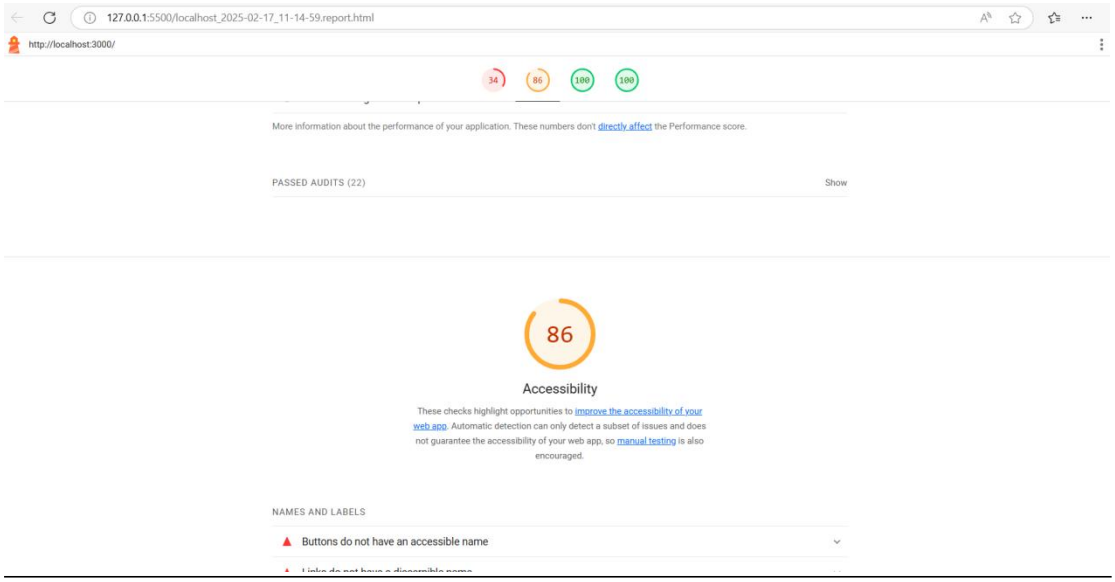
Test Case ID	Test Case Description	Test Steps	Expected Result	Actual Result	Status	Severity Level	Assigned To	Remarks
TC001	Validate product listing page	Open product page > Verify products	Products displayed correctly	Products displayed correctly	Passed	Low	-	No issues found
TC002	Test API error handling	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	Medium	-	Test successful

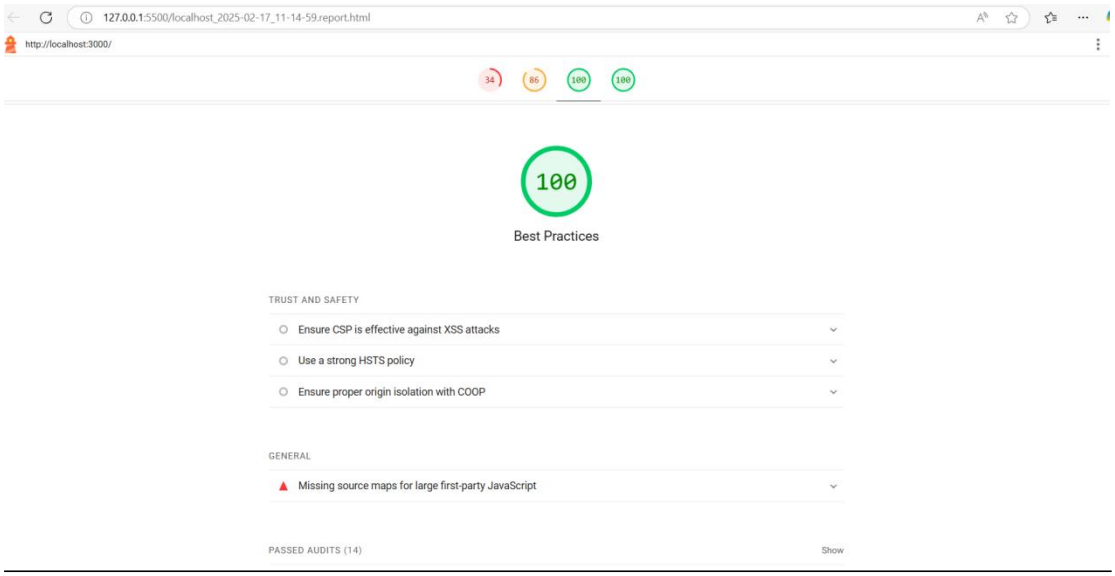
Step 4: Performance Optimization:

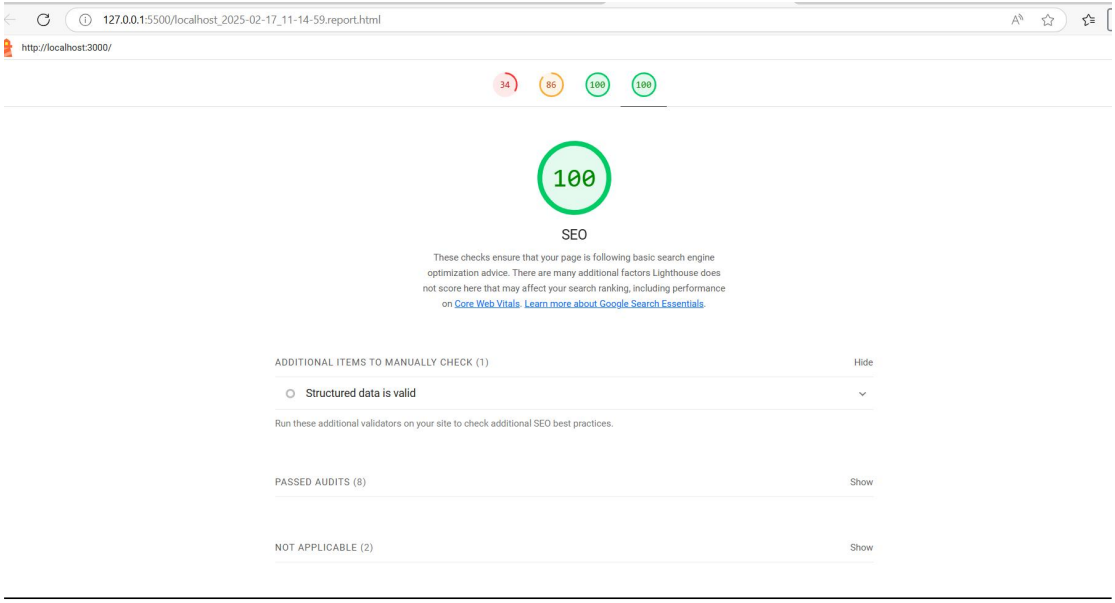
npm install -g lighthouse

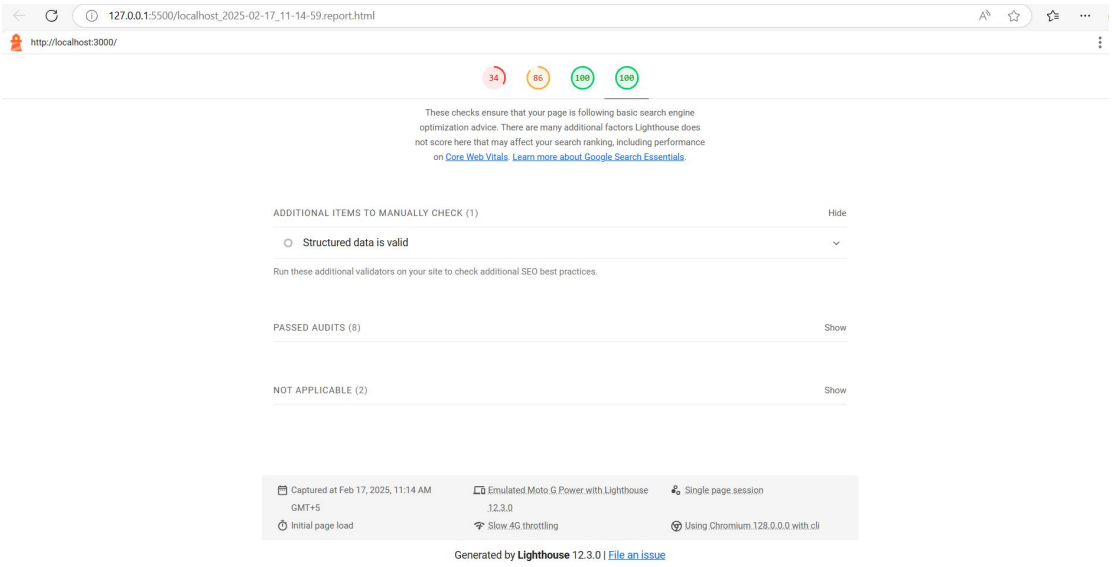
lighthouse http://localhost:3000 --view






127.0.0.1:5500/localhost_2025-02-17_11-14-59.report.html
http://localhost:3000/
34
86
100
100
100
Best Practices
TRUST AND SAFETY
Ensure CSP is effective against XSS attacks
Use a strong HSTS policy
Ensure proper origin isolation with COOP
GENERAL
Missing source maps for large first-party JavaScript
PASSED AUDITS (14)
Show


127.0.0.1:5500/localhost_2025-02-17_11-14-59.report.html
http://localhost:3000/
34
86
100
100
100
SEO
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.
ADDITIONAL ITEMS TO MANUALLY CHECK (1)
Hide
Structured data is valid
Run these additional validators on your site to check additional SEO best practices.
PASSED AUDITS (8)
Show
NOT APPLICABLE (2)
Show



TRUST AND SAFETY

Ensure CSP is effective against XSS attacks

Use a strong HSTS policy

Ensure proper origin isolation with COOP

ADDITIONAL ITEMS TO MANUALLY CHECK (1) Hide

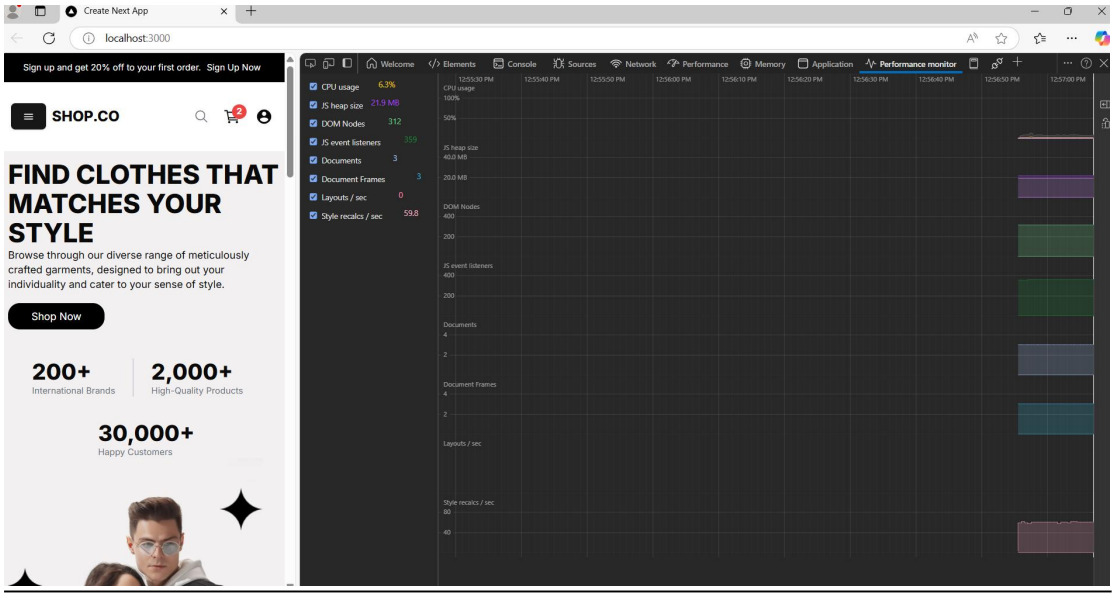
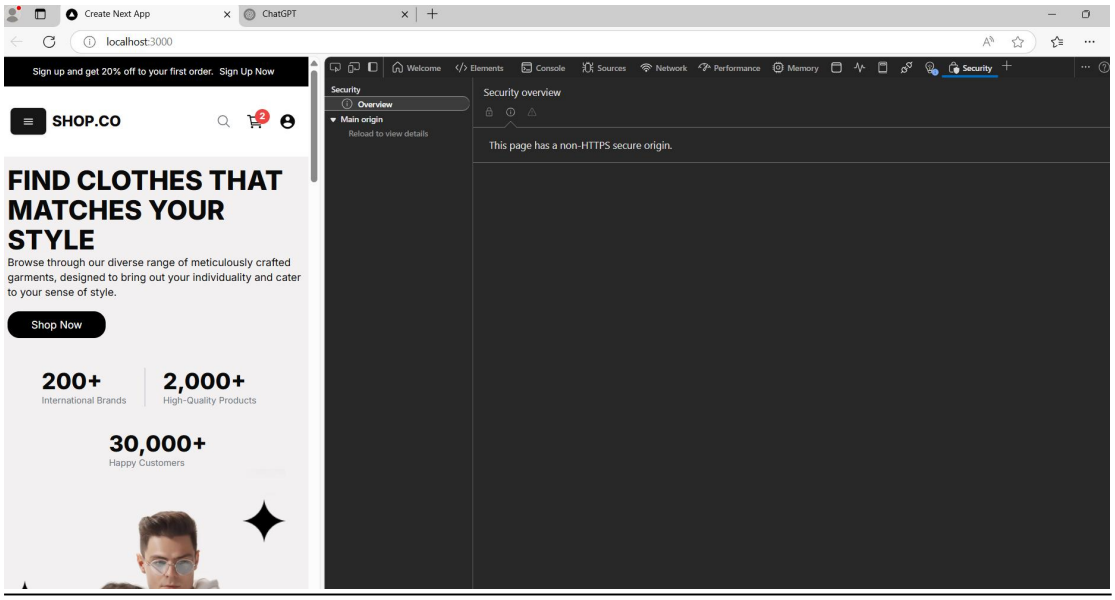
Structured data is valid

Run these additional validators on your site to check additional SEO best practices.

PASSED AUDITS (8)
Show

NOT APPLICABLE (2)
Show

Performance Moniter:



security: