Moiz Ansari
Roll No: 00202478
Timing: 7 to 10 PM (Friday)

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

Step 1: Functional Testing

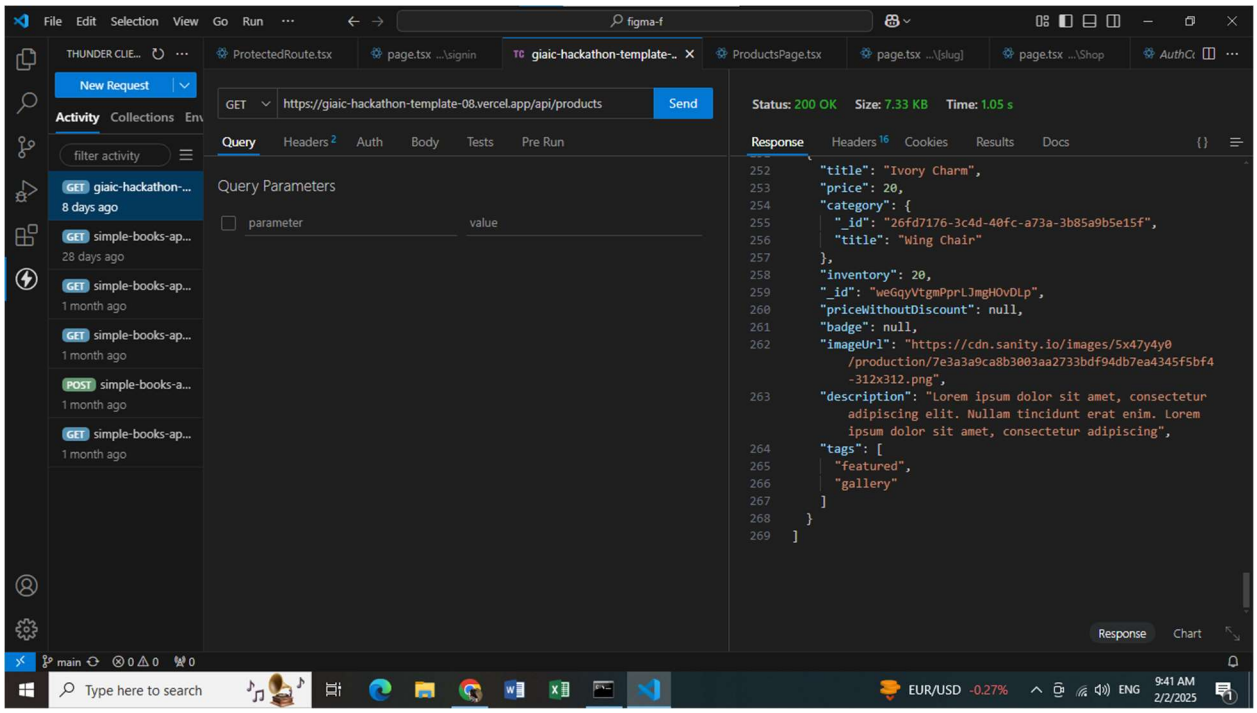
Step 2: Error Handling

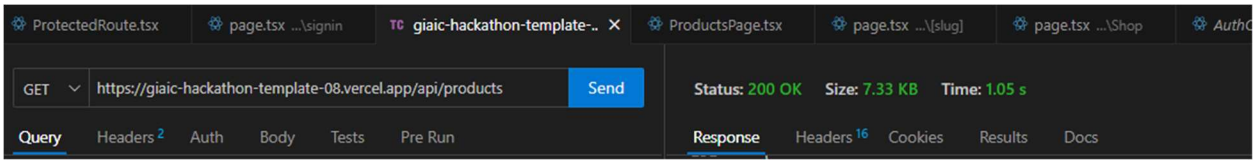
Step 3: Postman API

https://giaic-hackathon-template-08.vercel.app/api/products

API (https://giaic-hackathon-template-08.vercel.app/api/products) ko test karo aur ensure karo ke:

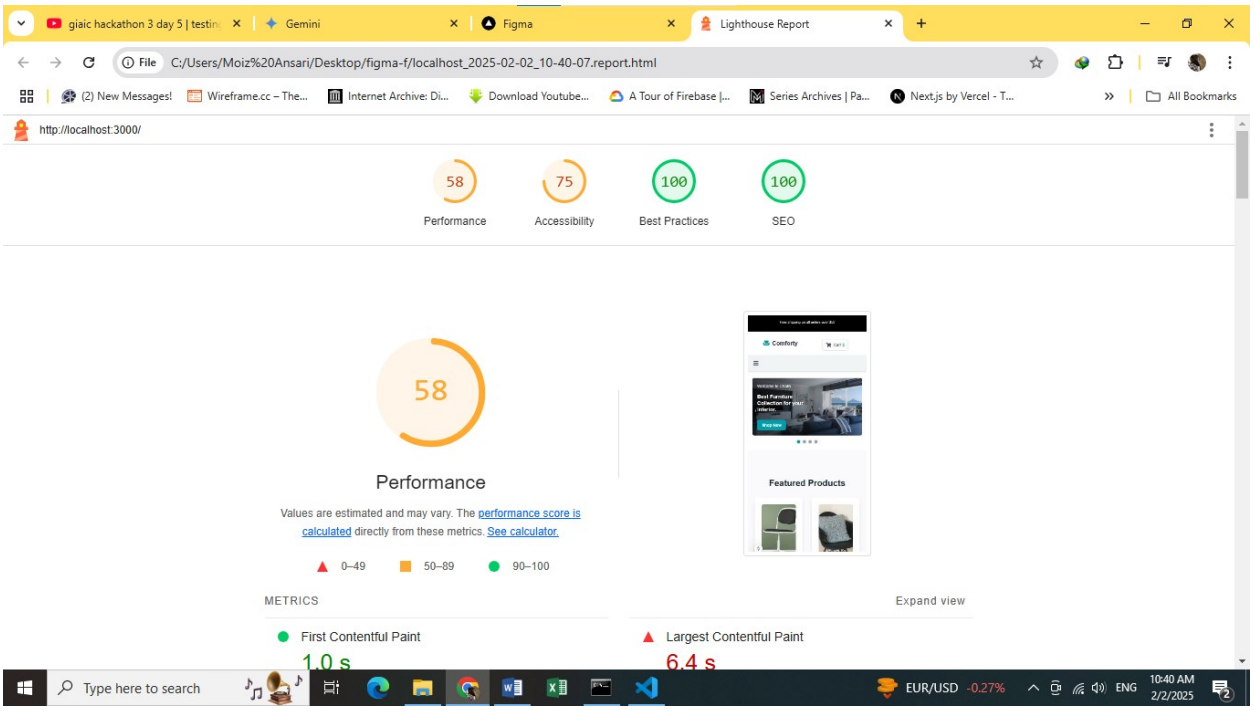
- Products ka data sahi aa raha hai (status 200).
- Error scenarios (e.g., API down) par proper error message display ho raha hai.
- Tools: Thunder Client ya Postman.

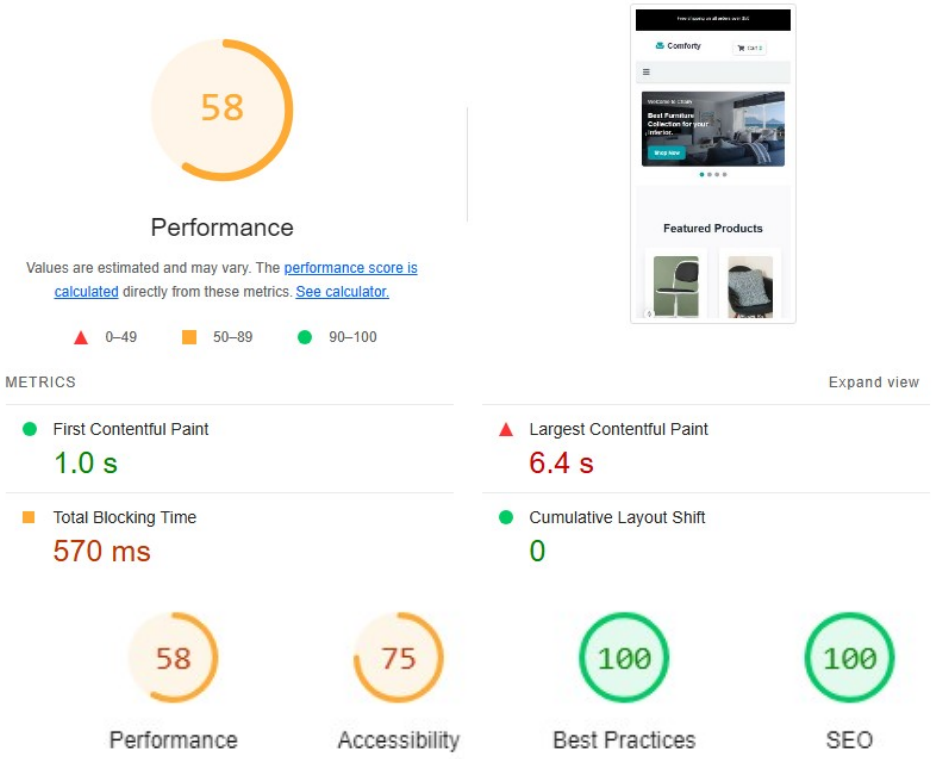


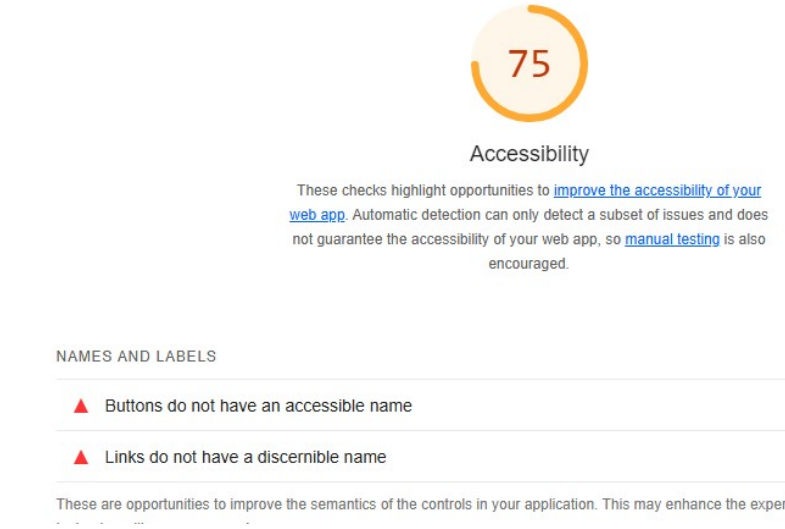


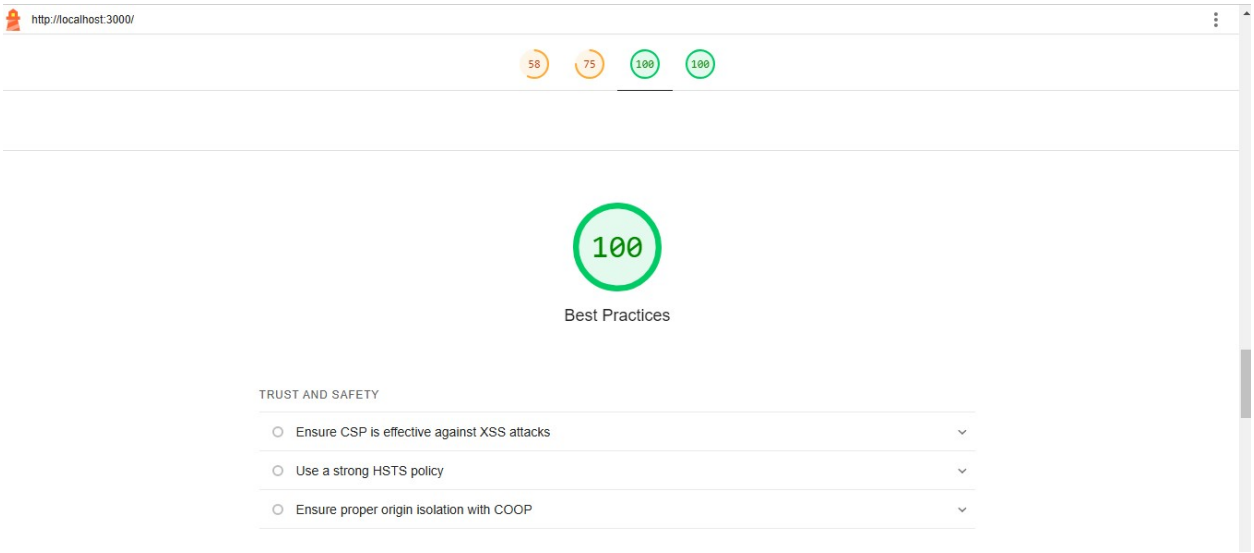
Test Case ID	Test Case Description	Test Steps	Expected Result	Actual Result	Status	Severity Level	Assigned To	Remarks
TC001	Validate product listing page	Open product page > Verify products	Products displayed correctly	Products displayed correctly	Passed	Low	-	No issues found
TC002	Test API error handling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


giaic hackathon 3 day 5 | testing
Gemini
Figma
Lighthouse Report
File C:/Users/Moiz%20Ansari/Desktop/figma-f/localhost_2025-02-02_10-40-07.report.html
All Bookmarks
http://localhost:3000/
58
Performance
75
Accessibility
100
Best Practices
100
SEO
58
Performance
Values are estimated and may vary. The performance score is calculated directly from these metrics. See calculator.
0–49
50–89
90–100
METRICS
Expand view
First Contentful Paint
1.0 s
Largest Contentful Paint
6.4 s
Featured Products
Type here to search
EUR/USD -0.27%
ENG
10:40 AM
2/2/2025


58
Performance
Values are estimated and may vary. The performance score is calculated directly from these metrics. See calculator.
0–49
50–89
90–100
Featured Products
METRICS
Expand view
First Contentful Paint
1.0 s
Largest Contentful Paint
6.4 s
Total Blocking Time
570 ms
Cumulative Layout Shift
0
58
Performance
75
Accessibility
100
Best Practices
100
SEO





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

NOT APPLICABLE (2)
Show

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.

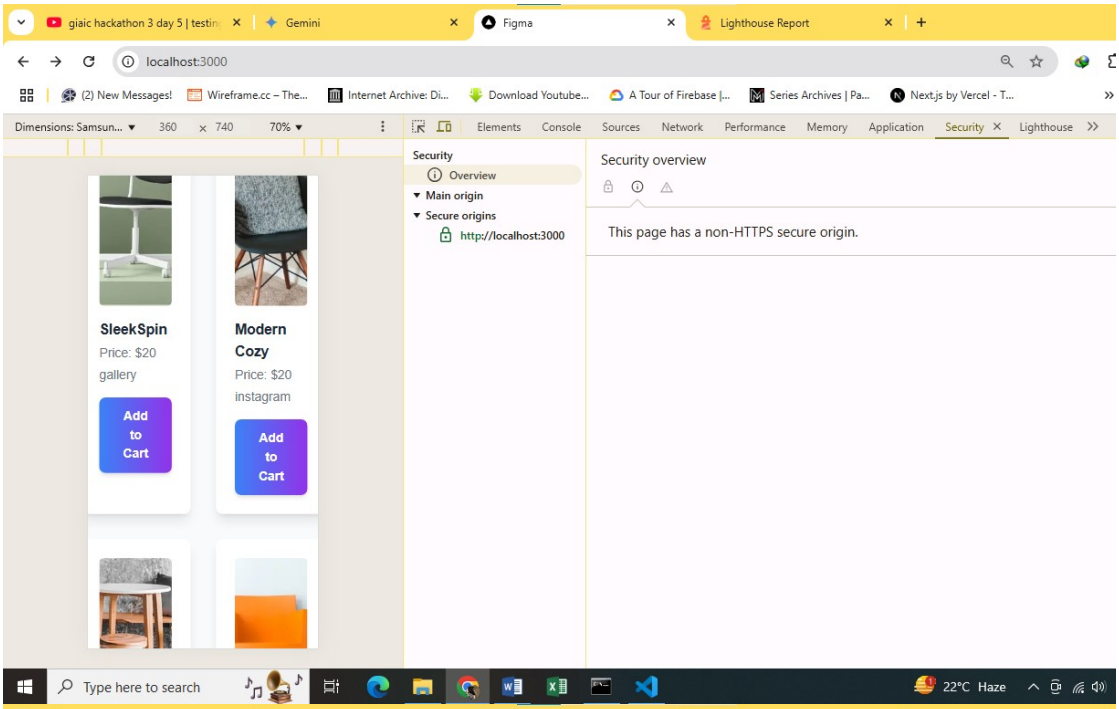
PASSED AUDITS (8)
Show

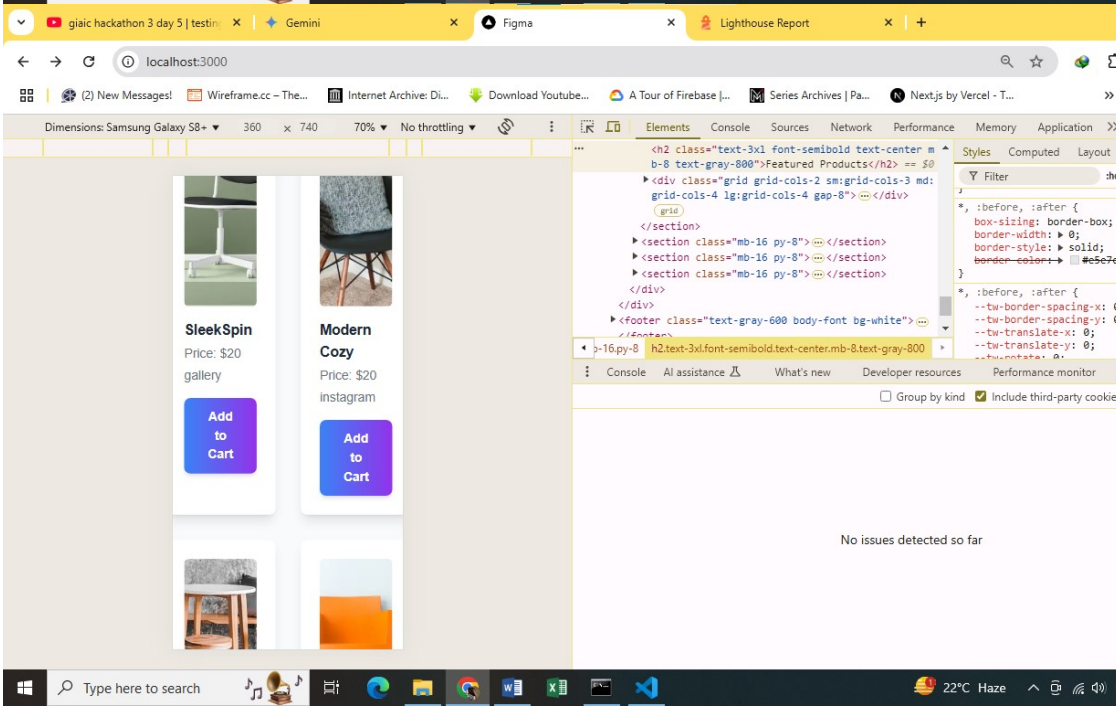
NOT APPLICABLE (2)
Show

- Captured at Feb 2, 2025, 10:40 AM GMT+5
- Emulated Moto G Power with Lighthouse 12.3.0
- Single page session
- Initial page load
- Slow 4G throttling
- Using Chromium 132.0.0.0 with cli

Generated by **Lighthouse** 12.3.0 | File an issue

Developer Resources:


giaic hackathon 3 day 5 | testin
Gemini
Figma
Lighthouse Report
localhost:3000
(2) New Messages!
Wireframe.cc – The...
Internet Archive: Di...
Download Youtube...
A Tour of Firebase |...
Series Archives | Pa...
Next.js by Vercel - T...
Dimensions: Samsun... 360 x 740 70%
Elements Console Sources Network Performance Memory Application Security Lighthouse
Security
Overview
Main origin
Secure origins
http://localhost:3000
Security overview
This page has a non-HTTPS secure origin.
SleekSpin
Price: $20
gallery
Add to Cart
Modern Cozy
Price: $20
instagram
Add to Cart
Type here to search
22°C Haze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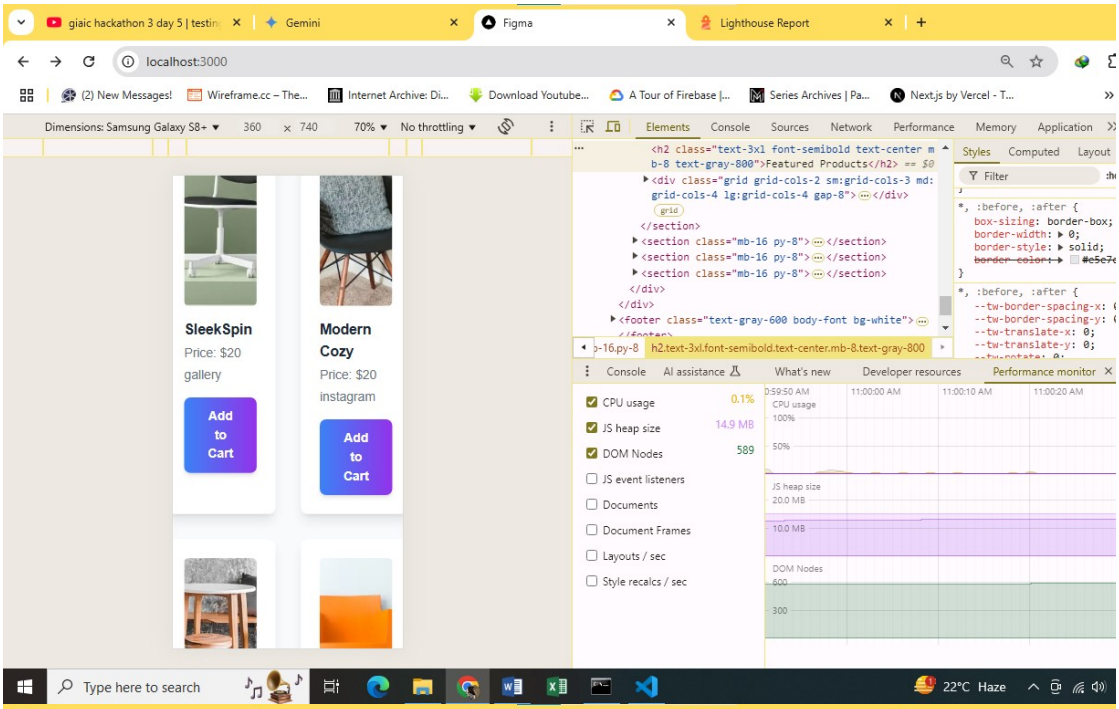
Series Archives | Pa...
Next.js by Vercel - T...
Dimensions: Samsung Galaxy S8+ 360 x 740 70% No throttling
Elements Console Sources Network Performance Memory Application
Styles Computed Layout
Filter
SleekSpin
Price: $20
gallery
Add to Cart
Modern Cozy
Price: $20
instagram
Add to Cart
Console AI assistance What's new Developer resources Performance monitor
No issues detected so far
Type here to search
22°C Haze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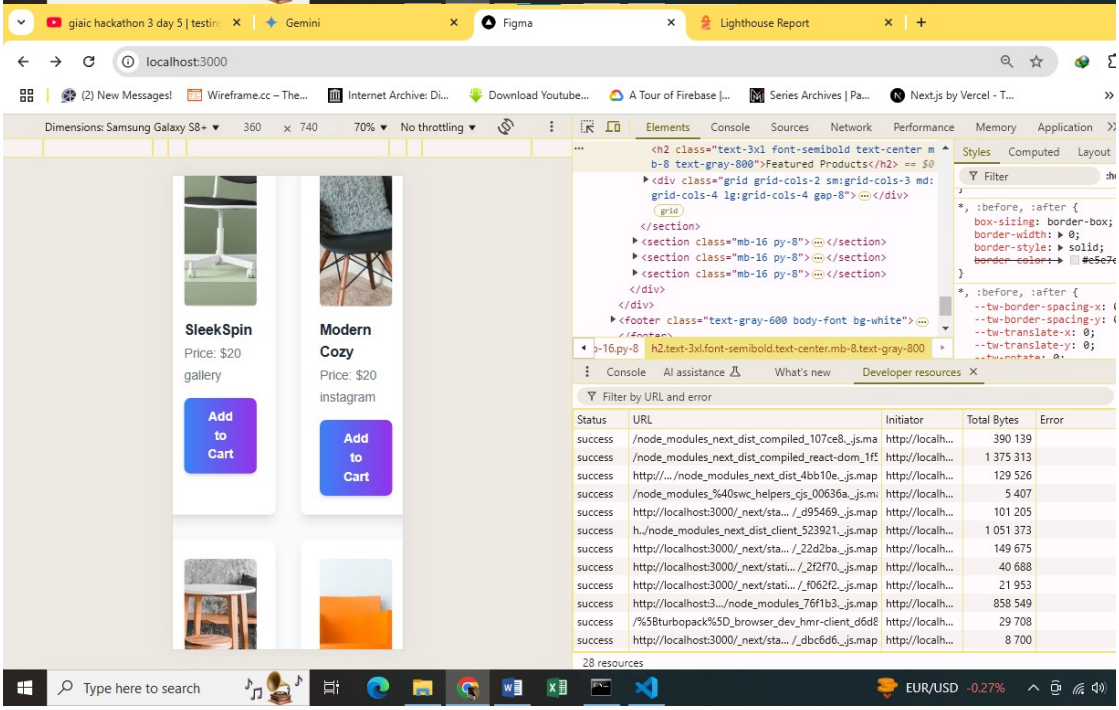
Elements
Console
Sources
Network
Performance
Memory
Application
Styles
Computed
Layout
Filter
Console
AI assistance
What's new
Developer resources
Performance monitor
CPU usage
JS heap size
DOM Nodes
JS event listeners
Documents
Document Frames
Layouts / sec
Style recalcs / sec
Type here to search
22°C Haze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instagram
Add to Cart
Elements
Console
Sources
Network
Performance
Memory
Application
Styles
Computed
Layout
Filter
Console
AI assistance
What's new
Developer resources
Filter by URL and error
Status
URL
Initiator
Total Bytes
Error
success /node_modules_next_dist_compiled_107ce8._.js.ma http://localh... 390 139
success /node_modules_next_dist_compiled_react-dom_1f5 http://localh... 1 375 313
success http://.../node_modules_next_dist_4bb10e._.js.map http://localh... 129 526
success /node_modules_%40swc_helpers_cjs_00636a._.js.m http://localh... 5 407
success http://localhost:3000/_next/sta.../_d95469._.js.map http://localh... 101 205
success h../node_modules_next_dist_client_523921._.js.map http://localh... 1 051 373
success http://localhost:3000/_next/sta.../_22d2ba._.js.map http://localh... 149 675
success http://localhost:3000/_next/stati.../_2f2f70._.js.map http://localh... 40 688
success http://localhost:3000/_next/stati.../_f062f2._.js.map http://localh... 21 953
success http://localhost:3...node_modules_76f1b3._.js.map http://localh... 858 549
success /%5Bturbopack%5D_browser_dev_hmr-client_d6d8 http://localh... 29 708
success http://localhost:3000/_next/sta.../_dbc6d6._.js.map http://localh... 8 700
28 resources
Type here to search
EUR/USD -0.27%