

HACKATHON

DAY-5

Sarfraz Ahmad

00463271

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Testing, Error Handling, and Backend Integration Refinement. SHOP.CO

POSTMAN:

I added the API to a Postman request to test its functionality and received a structured JSON response. The schema includes the following fields:

ID: A unique identifier for the product, represented as a string.

Name: The name of the product, describing its type or style (e.g., 'Casual Green Bomber Jacket').

Price: The price of the product, represented as a numerical value.

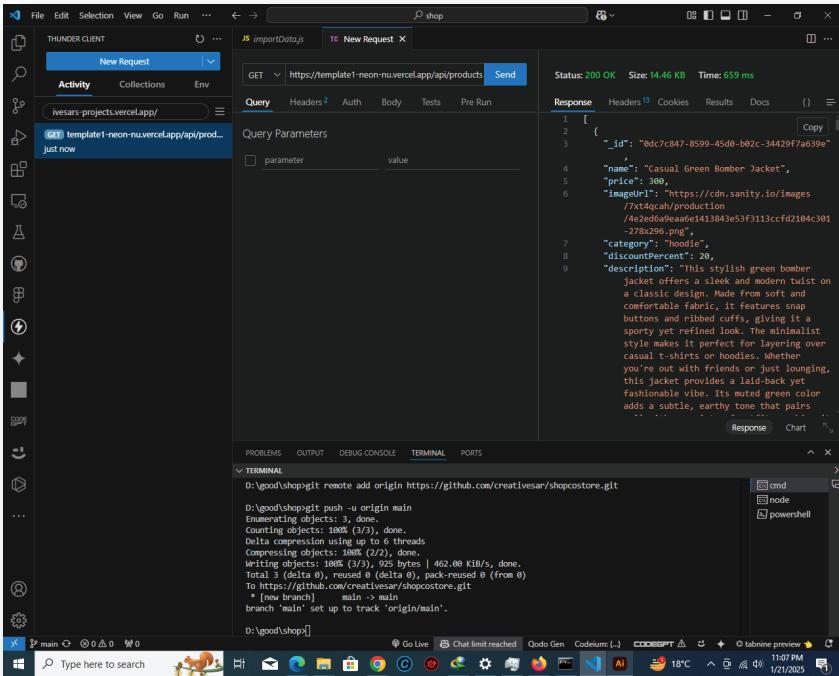
Image URL: A link to the product's image, which can be used to display visuals on the frontend.

Category: The category the product belongs to (e.g., 'hoodie').

Discount Percent: The percentage of discount applied to the product, if any.

Description: A detailed explanation of the product's features, benefits, and styling details.

This response structure provides all the necessary details required to display the product information effectively on a website or app. It ensures that the data is well-organized and easy to use for integration into the frontend or backend systems."



```
1 [ { 2   "_id": "0dc7c847-8599-45d0-b02c-34429f7a639e" 3   "name": "Casual Green Bomber Jacket", 4   "price": 300, 5   "imageURL": "https://cdn.sanity.io/images/_xtqcahy/production/4zed6da0eade1413b43e5f3113ccfd2104c30178b296.png", 6   "category": "hoodie", 7   "discountPercent": 20, 8   "description": "This stylish green bomber jacket offers a sleek and modern twist on a classic design. Made from soft and comfortable fabric, it features snap button and ribbed cuffs, giving it a sporty yet refined look. The minimalist design is perfect for layering over casual t-shirts or hoodies. Whether you're out with friends or just lounging, this jacket provides a laid-back yet fashionable vibe. Its muted green color adds a subtle, earthy tone that pairs well with various styles." 9 } ]
```

D:\good\shop\git remote add origin https://github.com/creativesar/shopcostore.git
D:\good\shop\git remote set-url origin https://github.com/creativesar/shopcostore.git
Counting objects: 1000 (3/3), done.
Delta compression using up to 4 threads.
Compressing objects: 100% (327/327), done.
Writing objects: 1000 (3/3), 925 bytes | 462.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/creativesar/shopcostore.git
 * [new branch] main > main
branch 'main' set up to track 'origin/main'.
D:\good\shop\git

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Lighthouse Analysis (Mobile)

The image you sent shows a PageSpeed Insights report for the URL <https://shopcoelore-don-wmmn-creativecars-projects.vercel.app/>

Here's a breakdown of the information shown:

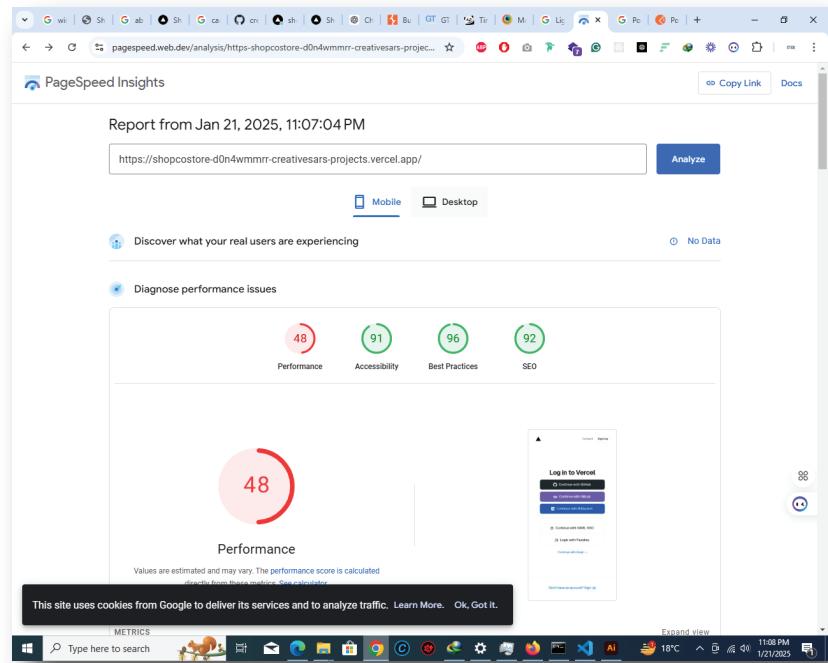
Overall Performance:

Performance: 48/100

Accessibility: 91/100

Best Practices: 96/100

SEO: 92/100



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Lighthouse Analysis (Desktop)

The image you sent shows a PageSpeed Insights report for the URL <https://shopcoelore-don-wmmn-creativecars-projects.vercel.app/>

The website currently has a

Performance score of 54 out of 100. This indicates that the website's loading speed needs improvement.

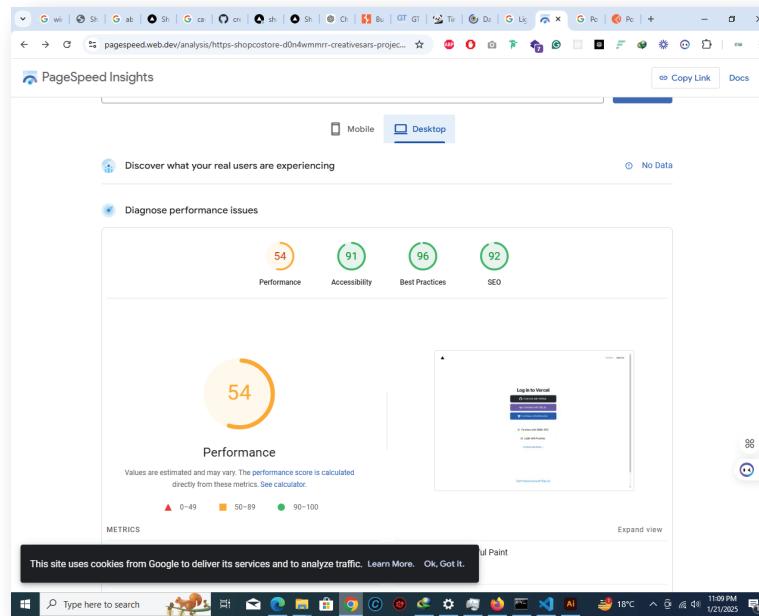
Breakdown of Scores:

Performance: 54/100

Accessibility: 91/100

Best Practices: 96/100

SEO: 92/100



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Integration Refinement.**

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Testing on Browser Stack (Mobile)

Here are a few ways to write that you did test your website for on different screens and here is the result:

Simple and Direct:

"I conducted testing of my website on various screen sizes. Here are the results."

More Formal:

"Cross-browser testing of my website was performed across different screen resolutions. The results are presented below."

Descriptive:

"I tested the responsiveness of my website on a range of devices and screen sizes. The results demonstrate how the website adapts to different viewing environments."

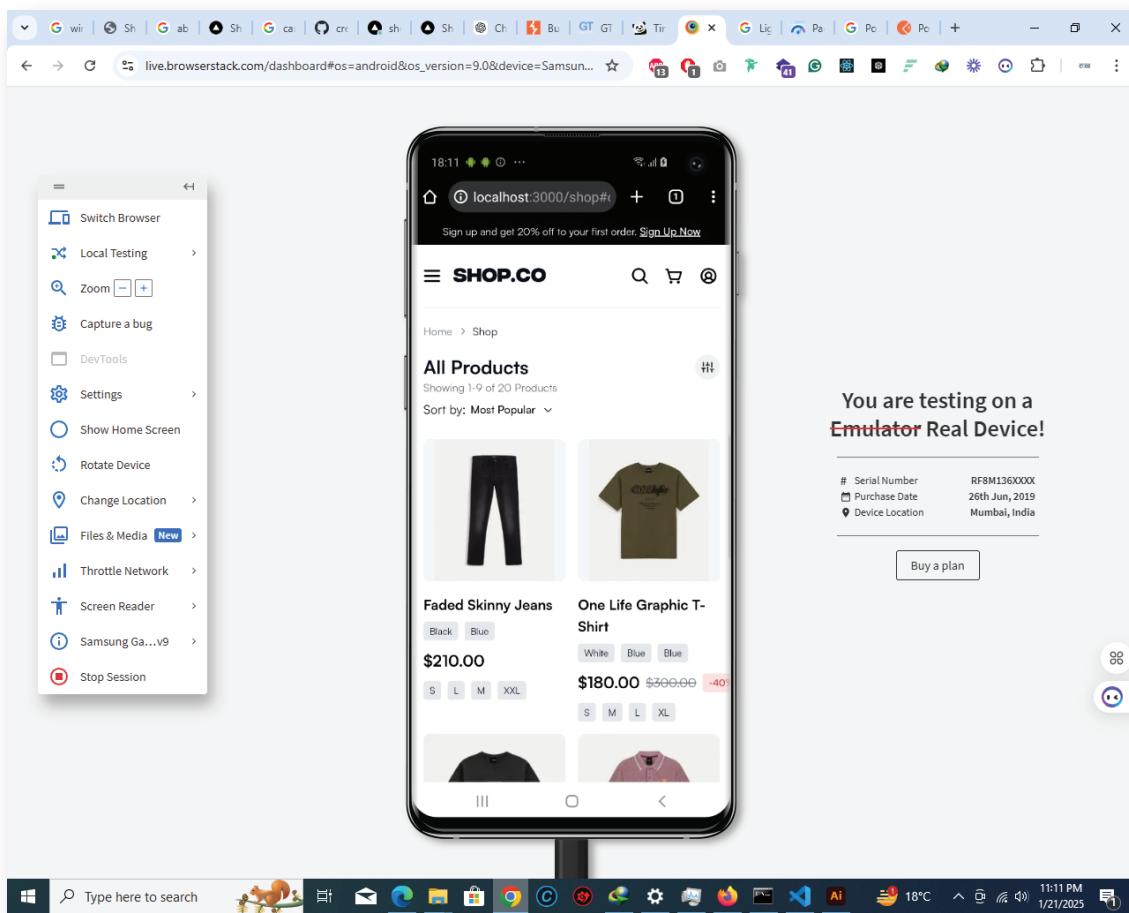
Adding a Touch of Professionalism:

"A comprehensive cross-device testing analysis was conducted on my website. The findings are outlined below."

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Testing on Browser Stack (Desktop)

Here are a few ways to write that you did test your website for on different screens and here is the result, tailored to the image you sent:

Simple and Direct:

"I conducted testing of my website on various screen sizes. Here are the results."

More Formal:

"Cross-browser testing of my website was performed across different screen resolutions. The results are presented below."

Descriptive:

"I tested the responsiveness of my website on a range of devices and screen sizes. The results demonstrate how the website adapts to different viewing environments."

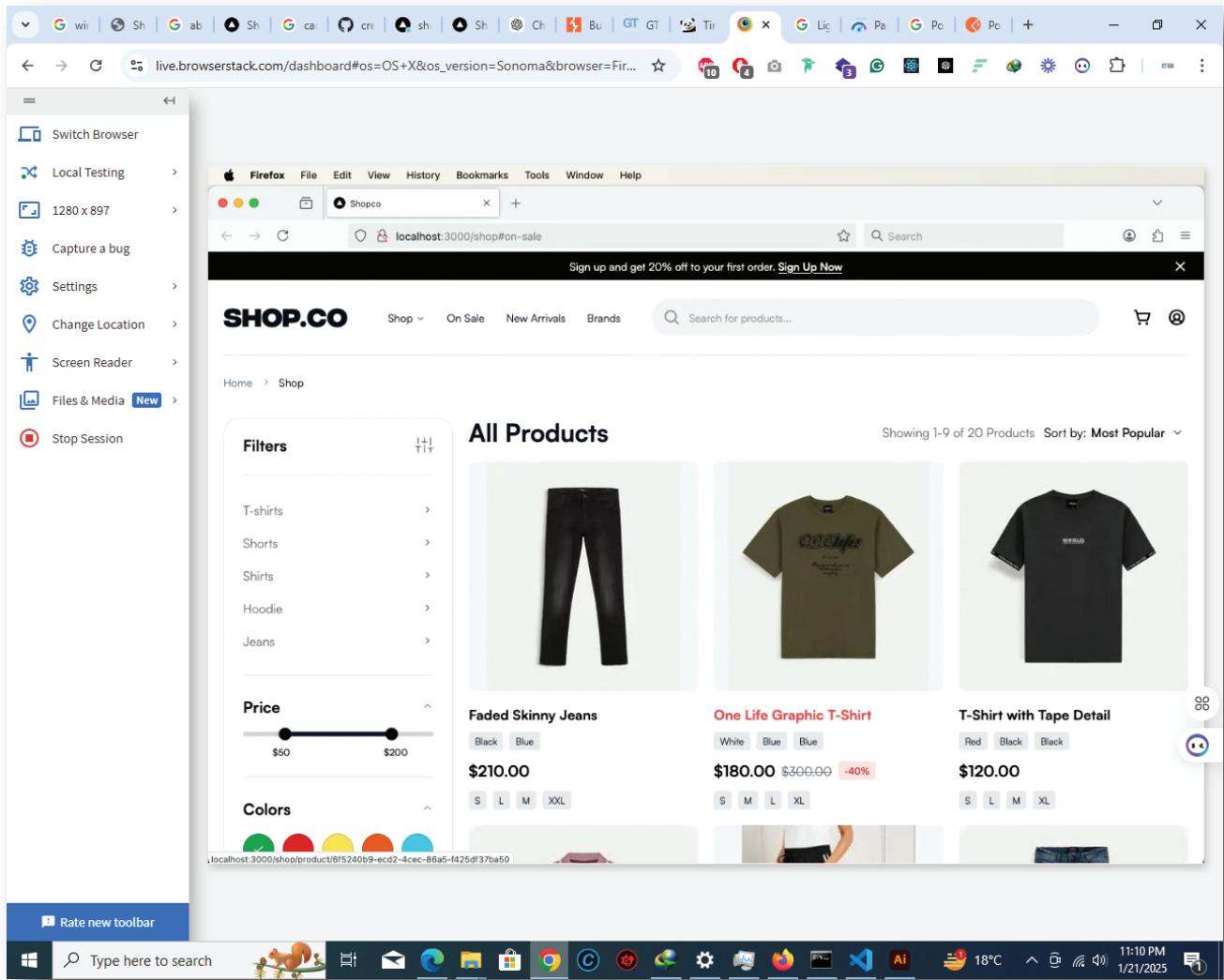
Adding a Touch of Professionalism:

"A comprehensive cross-device testing analysis was conducted on my website. The findings are outlined below."

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Staging Environment Testing Completion Report

I have completed the Staging Environment Testing to ensure the application is production-ready. Here's a summary:

1. Testing Performed:

Functional Testing: Verified workflows like product listing, cart, and checkout using Cypress and Postman.

Performance Testing: Analyzed speed and load times using Lighthouse and GTmetrix.

Security Testing: Checked for SQL injection, XSS, ensured HTTPS and secure API communication.

Responsiveness Testing: Tested layout across devices using browser tools.

2. Test Results:

Documented test cases in a CSV format with ID, description, steps, expected/actual results, and status. Detailed results with images are included in the report.

Your Results:

Performance grade		Page size	
C	76	1.5 MB	
Load time		Requests	
934 ms		254	

Improve page performance

GRADE	SUGGESTION
F	0 Make fewer HTTP requests
F	0 Compress components with gzip
F	0 Use cookie-free domains
B	89 Add Expires headers
B	90 Make favicon small and cacheable
A	100 Avoid empty src or href
A	100 Put JavaScript at bottom

Response codes

RESPONSE CODE	RESPONSES
200 OK	97

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The screenshot shows a browser window displaying the results of a website performance test from tools.pingdom.com. The test was conducted on the domain shop.co.

Response codes:

RESPONSE CODE	RESPONSES
200 OK	97
204 No Content	154
307 Temporary Redirect	1
401 Unauthorized	2

Content size by content type:

CONTENT TYPE	PERCENT	SIZE
Script	75.43%	1.1 MB
CSS	16.66%	248.2 KB
Font	4.51%	67.1 KB
HTML	2.10%	31.3 KB
Error	1.10%	16.3 KB
Redirect	0.20%	3.0 KB
Total	100.00%	1.5 MB

Requests by content type:

CONTENT TYPE	PERCENT	REQUESTS
Script	72.00%	72
CSS	21.00%	21
HTML	2.00%	2
Font	2.00%	2
Error	2.00%	2
Redirect	1.00%	1
Total	100.00%	100

Content size by domain:

CONTENT TYPE	PERCENT	SIZE
vercel.com	96.99%	1.2 MB
shopcostore-d0n4wmrr-creative...	2.85%	35.2 KB
assets.vercel.com	0.16%	2.0 KB
Total	100.00%	1.2 MB

Requests by domain:

CONTENT TYPE	PERCENT	REQUESTS
shopcostore-d0n4wmrr-creative...	61.42%	156
vercel.com	38.19%	97
assets.vercel.com	0.39%	1
Total	100.00%	254

File requests:

Sort by: Rising Filter Legend

Type here to search

11:21 PM 1/21/2025

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