

HACKATHON DAY-5

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DAY-5

Testing, Error Handling, and Backend
Integration Refinement.

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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.

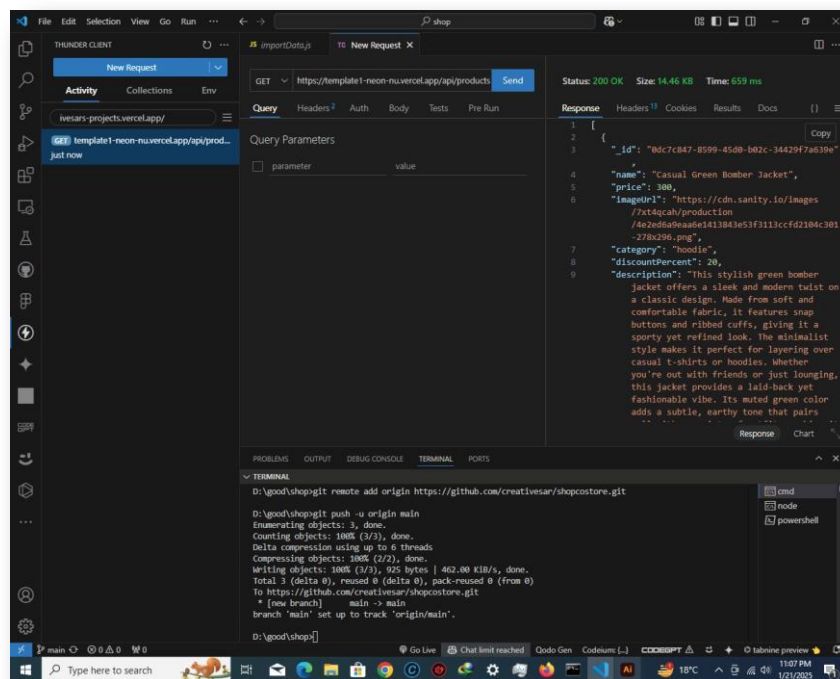
Image URL: A link to the product's image, which can be used to display visuals on the frontend.

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."



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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/>

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Here's a breakdown of the information shown:

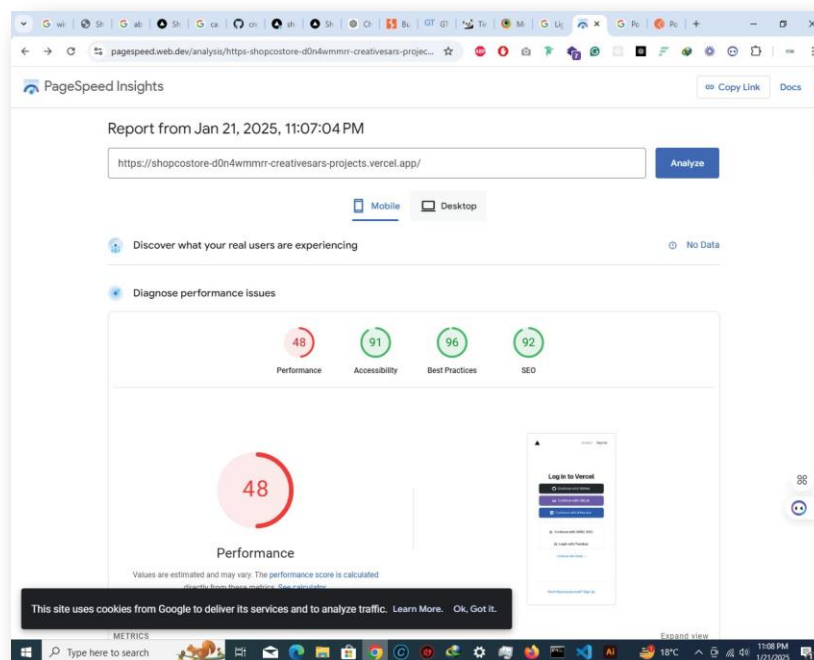
Overall Performance:

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.

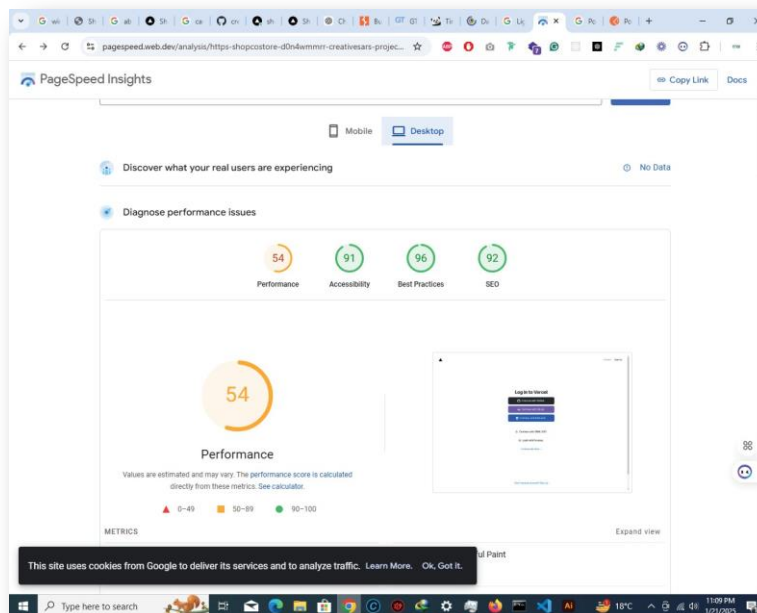
Breakdown of Scores:

Performance: 54/100

Accessibility: 91/100

Best Practices: 96/100

SEO: 92/100



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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."

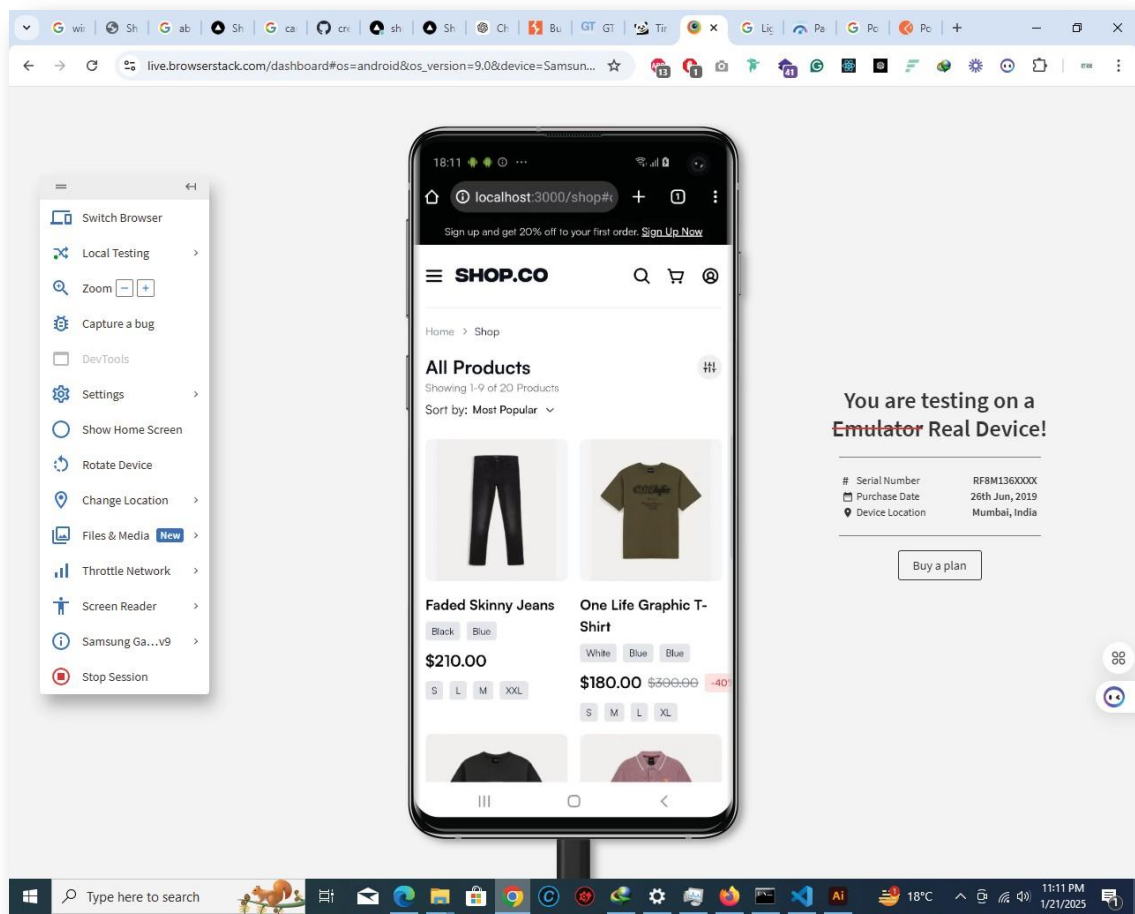
Adding a Touch of Professionalism:

"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."

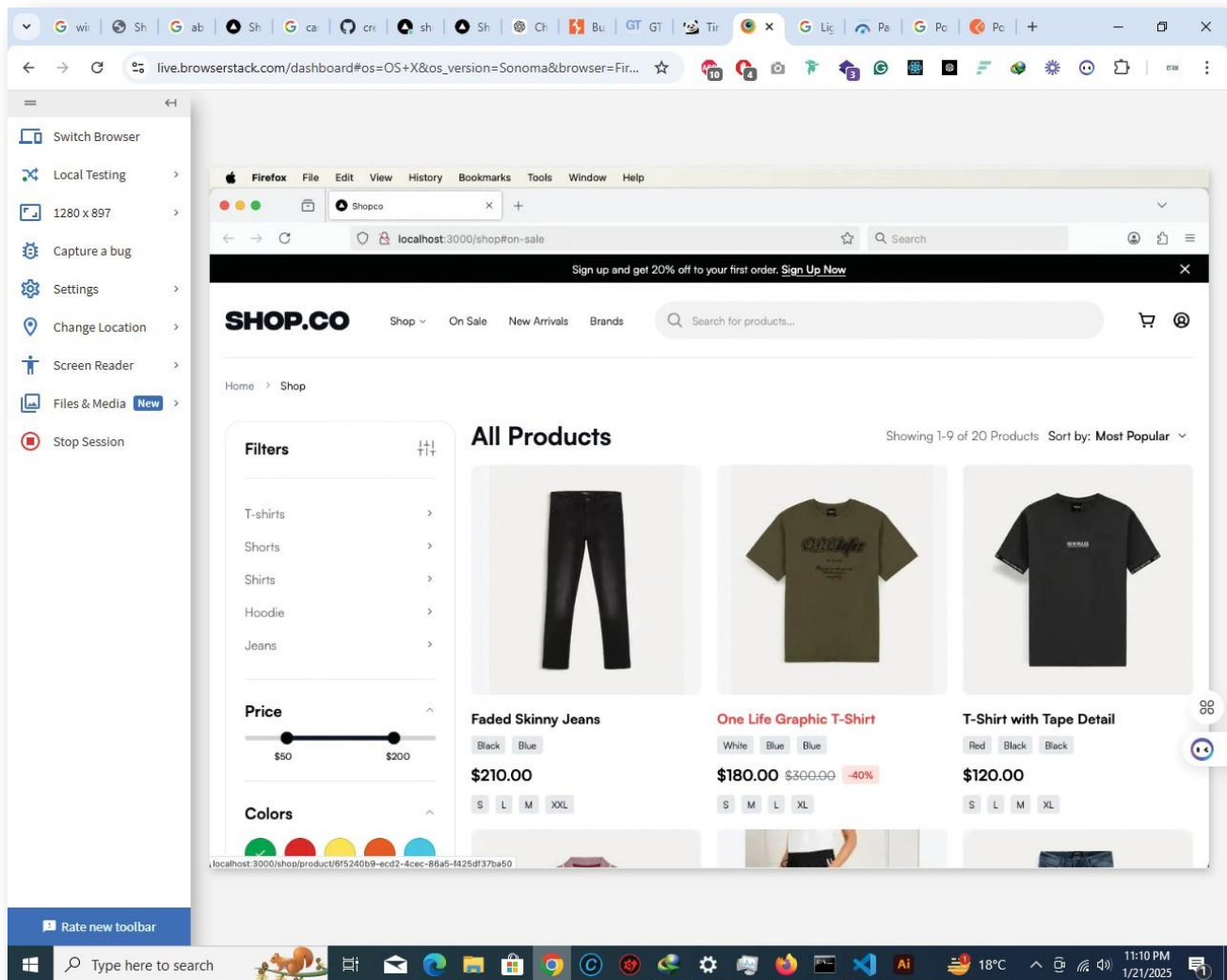
Adding a Touch of Professionalism:

"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.

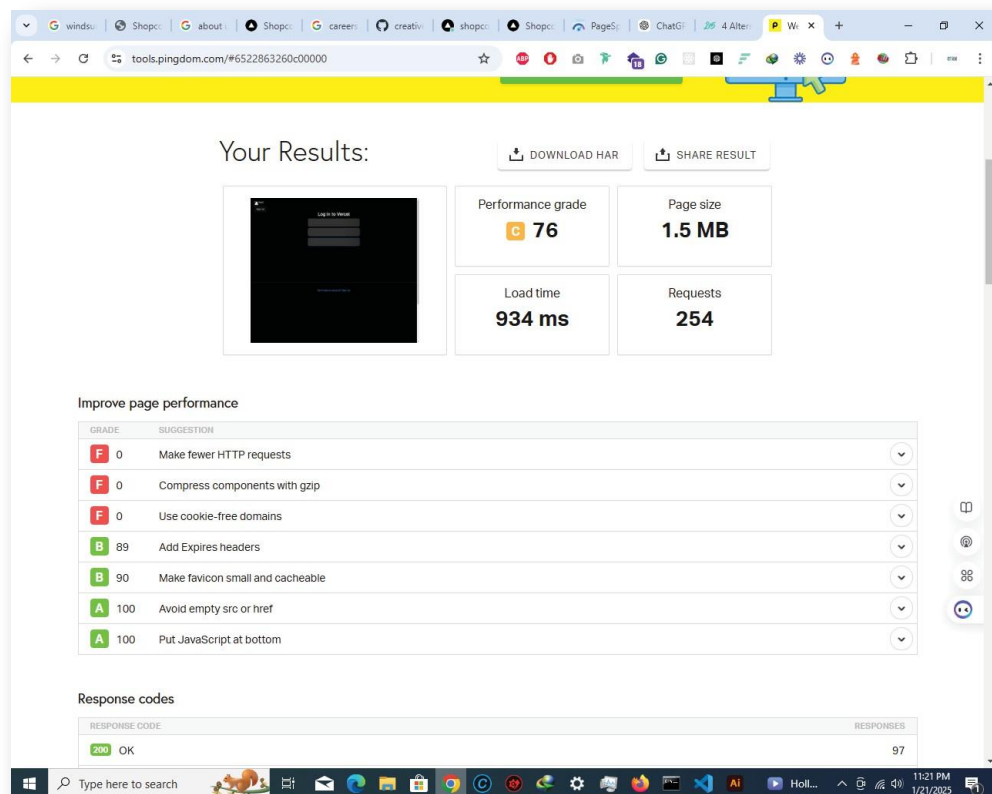
Performance Testing: Analyzed speed and load times using Lighthouse and GTmetrix.

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:

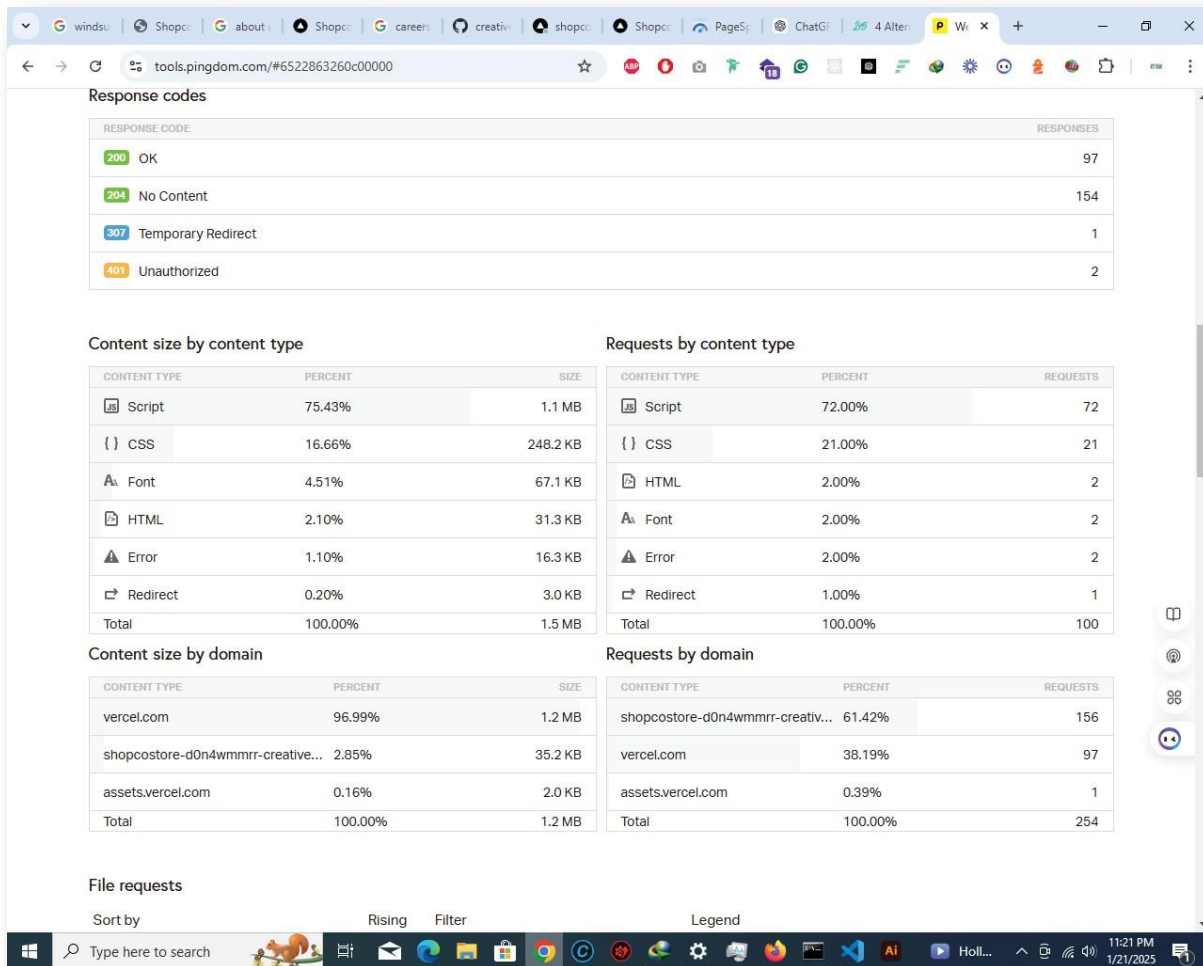
Documented test cases in a CSV format with ID, description, steps, expected/actual results, and status. Detailed results with images are included in the report.



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