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

Name: Farah Shabir
Roll No:00006855
Time: 9:00 AM to 12:00 PM
Slot: Sunday

Testing Report

1. **API Integration:**
   - **The process of connecting different software systems via their APIs (Application Programming Interfaces) to enable them to communicate and exchange data. It involves connecting an application and external services to perform data retrieval, submission, or updates.**

2. **Data Migration:**
   - **The process of transferring data from one system, storage, or format to another. It typically involves extracting data from a source system, transforming it as necessary, and loading it into a new target system. This is crucial when upgrading systems or moving to new platforms.**

Test Case ID	Test Case Description	Test Steps Taken	Expected Result	Actual Result	Status	Security Level	Rem
TC001	Viewing the product listing page	Click on shop button on any prooduct	It should display the further details of the product	It show further detail of product with description	Passed	Low	No i
TC002	Modify the Product ID	Changing the product ID from URL	Show the error message	Show the error message	Passed	Low	No i
TC003	Checkout functionality	Select the product and add to cart	It redirect on the add to cart item with product details	It redirect on the add to cart item with product details	Passed	Low	No i
TC004	Changing Product Quantity On Add To Cart Page	On Add To Cart page with the specific product and click on up arrow button	It should increase the product quantity and total price according	It is perfectly Modifying the product total quantity and	Passed	Medium	No i
TC005	Remove the product	Remove the product from add to cart	Remove the product from add to cart	Remove the product from add to cart	Passed	Medium	No i
TC006	Remove Items from the Cart after Checkout	On Successful Checkout and order confirmation, No Products Should Be In t	No Products Were in the Cart Icon button	Cart Page Showing Items Selected	Passed	Medium	No i

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: TC001
: Viewing the product listing page.
: Click on the shop button on any product.
: It should display further details of the product.
: It shows further details of the product with a description.
: Passed
: Low
: No issues found

BESTSELLER PRODUCTS

Rustic Vase Set	Bold Nest	The Dandy chair	Vase Set
Bring the charm of nature into your home with the ...	Welcome to BoldNest—where fearless design meets co...	Meet The Dandy Chair—the epitome of comfort, style...	Elevate your home decor with the timeless beauty o...
$210	$260	$150	$150
Add to Cart	Add to Cart	Add to Cart	Add to Cart

Rustic Vase Set

Bring the charm of nature into your home with the Rustic Vase Set. Perfect for those who appreciate timeless beauty and a warm, inviting atmosphere, this set of vases adds a touch of rustic elegance to any space. Crafted with care and attention to detail, these vases are designed to evoke the essence of vintage craftsmanship while seamlessly complementing both modern and traditional decor styles. The Rustic Vase Set features a collection of three uniquely designed vases, each with its own character. Their earthy tones, textured finishes, and artisanal touch capture the essence of the countryside, making them ideal for showcasing fresh flowers, dried arrangements, or simply as stand-alone decor pieces. Whether placed on a mantel, coffee table, or dining area, these vases effortlessly enhance the ambiance of your home. Made from high-quality materials, the Rustic Vase Set offers both style and durability. The natural, imperfect surfaces of the vases give them a distinct, hand-crafted appeal, ensuring that each set is one-of-a-kind. With their timeless design, these vases make a perfect gift for housewarmings, weddings, or any special occasion. Key Features: Set includes three uniquely designed rustic vases Crafted from high-quality materials with a natural, hand-crafted finish Perfect for displaying flowers, greenery, or as standalone decorative pieces Versatile design complements both modern and traditional interiors Ideal for gifting or personal use in any living space Add warmth and character to your home with the Rustic Vase Set—where classic design meets natural beauty.

$210

No ratings available   No reviews yet

Add to Cart   Go to Cart

Test Case ID: TC003
Test Case Description: Checkout functionality.
Test Steps Taken: Select the product and add it to the cart.
Expected Result: It redirects to the add-to-cart item with product details
Actual Result: It redirects to the add-to-cart item with product details
Status: Passed
Security Level: Low
Remarks: No issues found

Your Shop					Home Shop Contact

Shopping Cart

Product		Quantity	Price	Action	Summary	
					Total Items:	1
	Rustic Vase Set	- 1 +	$210	Remove	**Total Price:**	**$210.00**
					Proceed to Checkout	

Test Case ID: TC004
Test Case Description: Changing Product Quantity on Add to Cart Page
Test Steps Taken: On the Add to Cart page with the specific product click on the up-arrow button
Expected Result: It should increase the product quantity and total price accordingly
Actual Result: It is perfectly Modifying the product's total quantity and total bill price accordingly
Status: Passed
Security Level: Medium
Remarks: No issues found

Your Shop					Home Shop Contact

Shopping Cart

Product		Quantity	Price	Action	Summary	
					Total Items:	8
	Rustic Vase Set	- 8 +	$210	Remove	**Total Price:**	**$1680.00**
					Proceed to Checkout	

Test Case Description: Remove the product
Test Steps Taken: Remove the product from the add-to-cart.
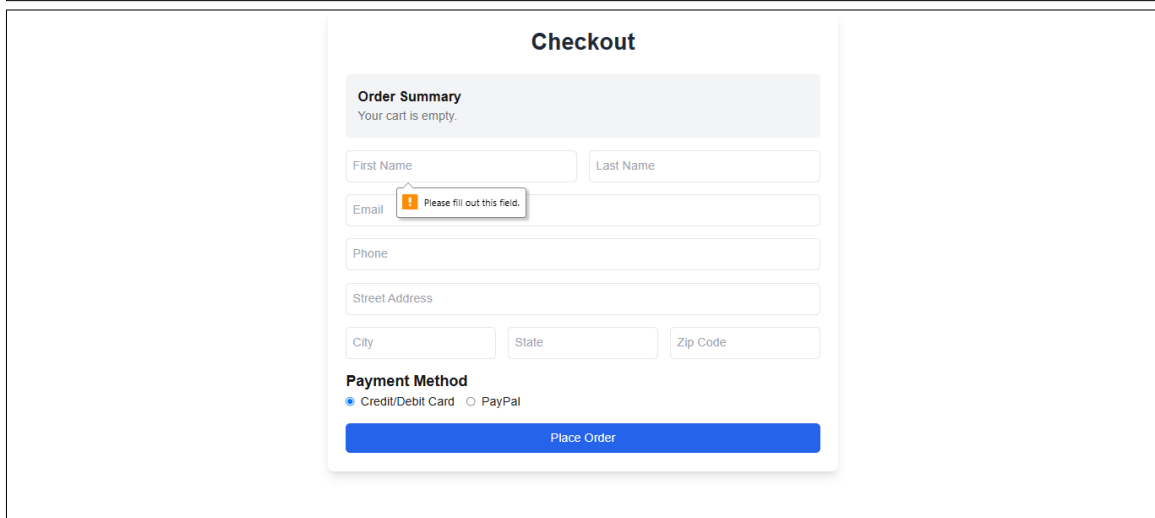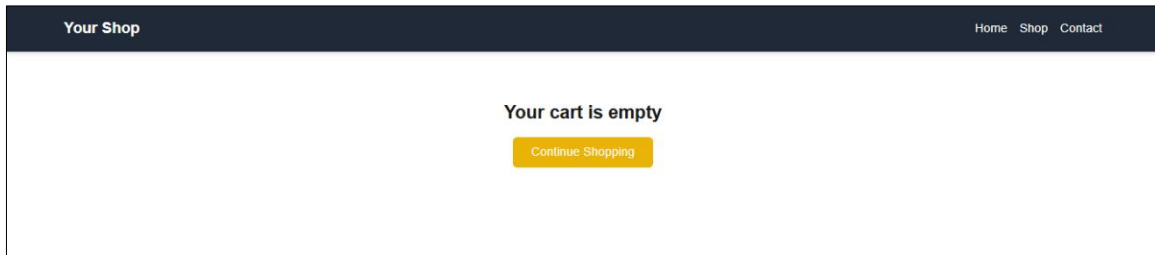Expected Result: Remove the product from add to cart
Actual Result: Remove the product from add to cart
Status: Passed
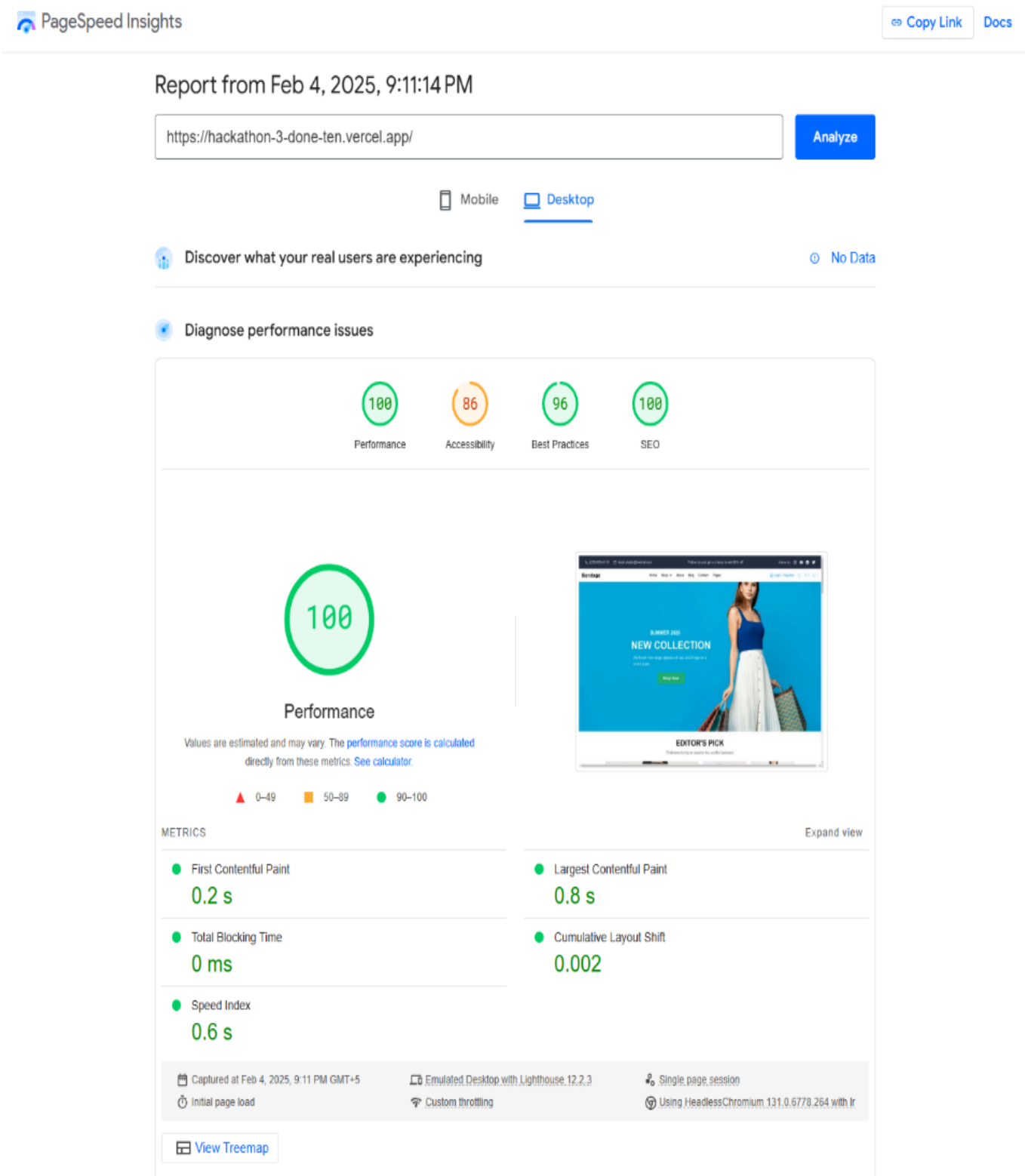Security Level: Medium
Remarks: No issues found

Performance Optimization steps are taken:
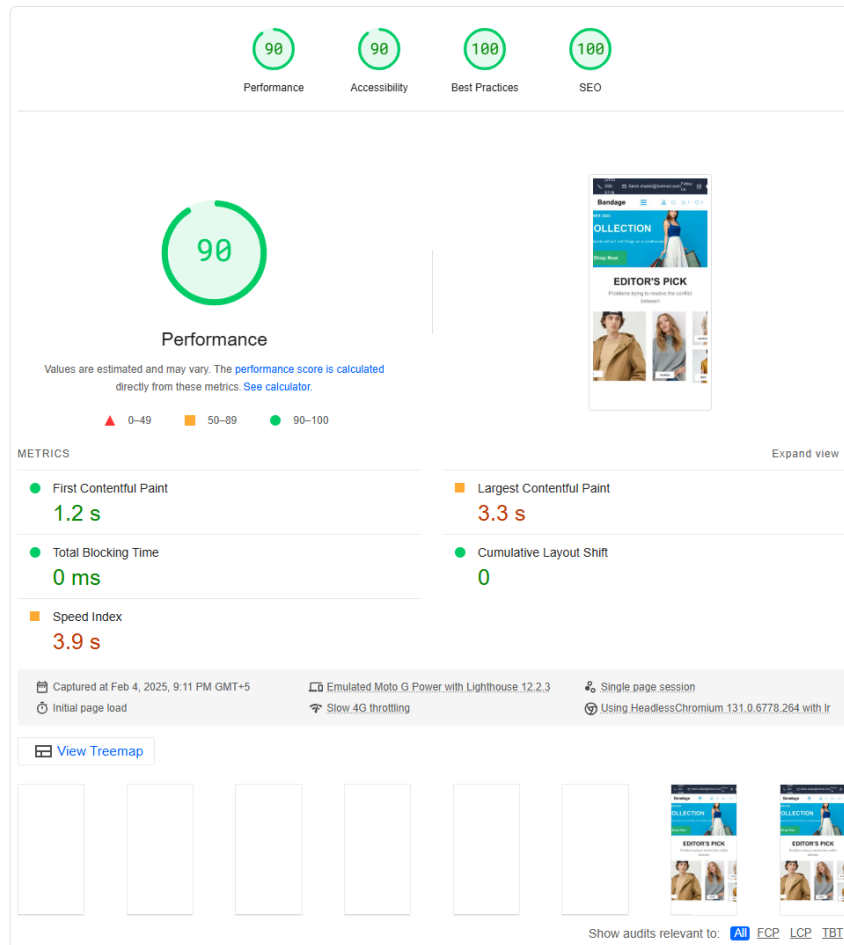
Copy Link   Docs

Report from Feb 4, 2025, 9:11:14 PM

https://hackathon-3-done-ten.vercel.app/   **Analyze**

📱 Mobile   🖥 Desktop

👥 Discover what your real users are experiencing   ⓘ No Data

🔵 Diagnose performance issues

90	90	100	100
Performance	Accessibility	Best Practices	SEO

90

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   🟧 Largest Contentful Paint
1.2 s   **3.3 s**

🟢 Total Blocking Time   🟢 Cumulative Layout Shift
0 ms   **0**

🟧 Speed Index
3.9 s

📅 Captured at Feb 4, 2025, 9:11 PM GMT+5   🖥 Emulated Moto G Power with Lighthouse 12.2.3   👥 Single page session
⏱ Initial page load   📶 Slow 4G throttling   🌐 Using HeadlessChromium 131.0.6778.264 with lr

⊞ View Treemap

Show audits relevant to: All FCP LCP TBT

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POSTMAN API Checking