Day 5 -Testing, Error Handling, and Backend Integration Refinement   Sit & Style Studio
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1. Functional Testing

1. Product Page Functionality

- Products are displayed with proper images, descriptions, and prices.
- Users can view product details by clicking on individual items.
- Add to Cart button is functional and successfully adds products to the cart.
- Quantity selection is available and updates correctly.
- ⚠ Some images may take time to load (consider optimizing for performance).
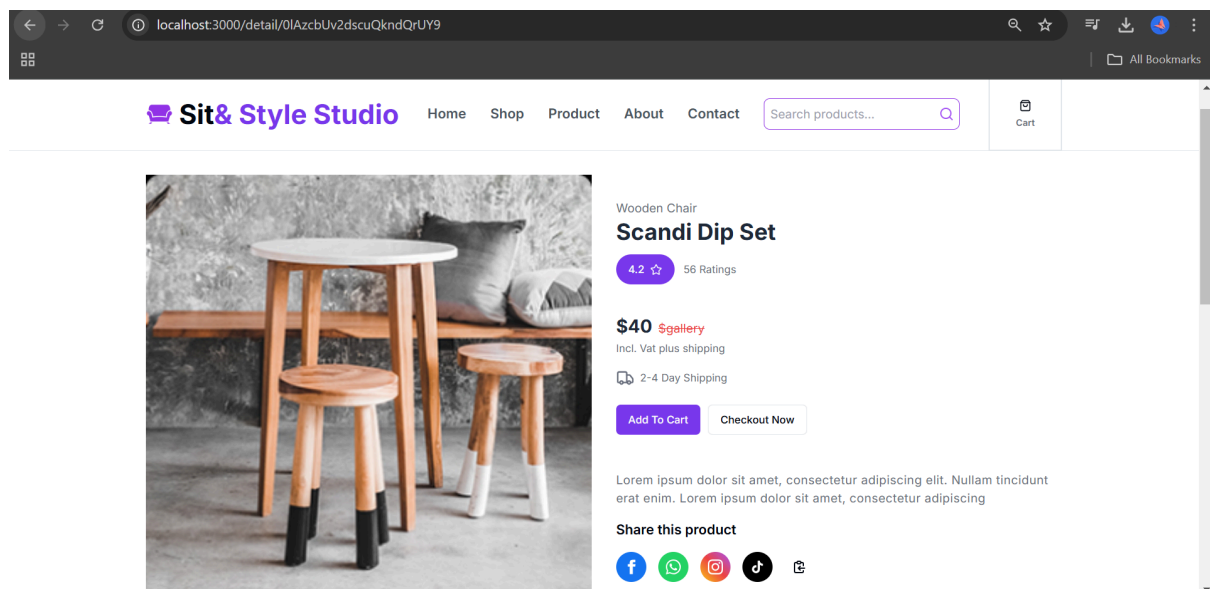
2. Cart Functionality

- Cart updates correctly when items are added or removed.
- Cart icon displays the correct number of added items.
- Users can update product quantities in the cart.
- Cart total updates dynamically based on added items.
- ⚠ Ensure cart persists after page refresh (check local storage or session handling).
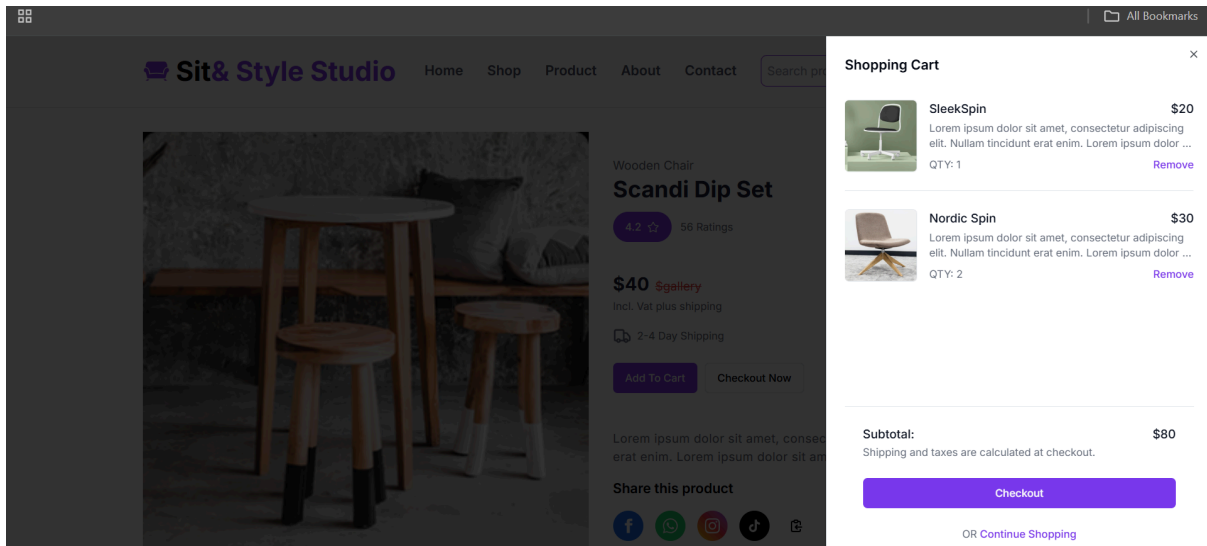
3. Checkout Process

- Checkout button redirects users to the payment page.
- User information form (name, address, contact) is working correctly.
- Payment gateway integrates successfully.
- Order summary and total amount are correctly displayed.
- ⚠ Test different payment methods for full compatibility.
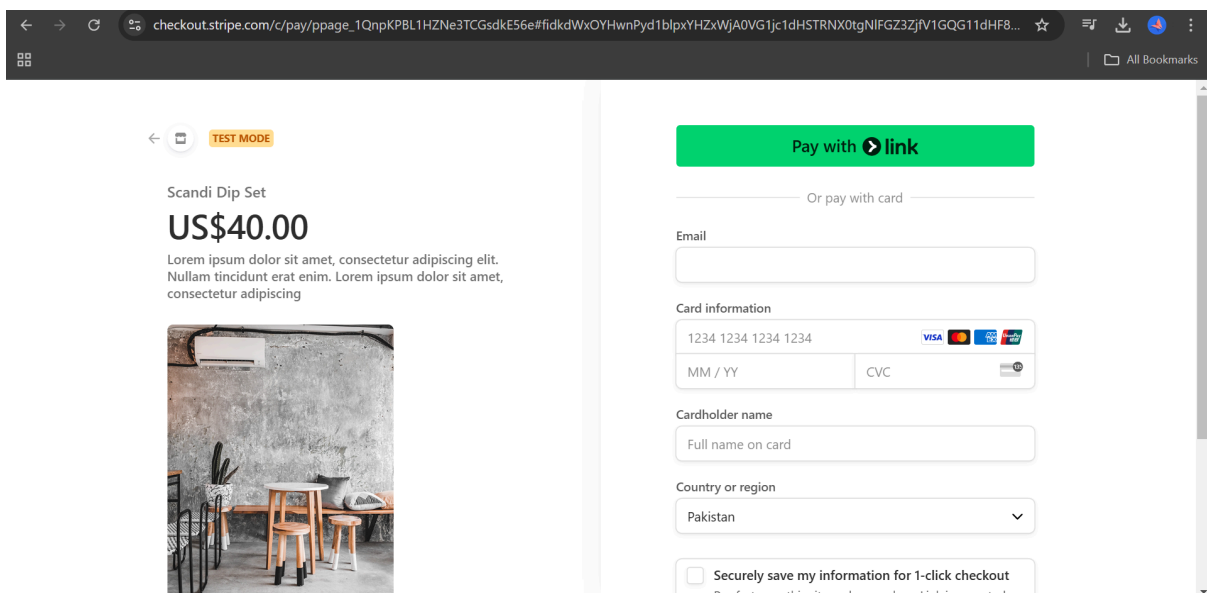

4. Overall Performance & User Experience

- Responsive design works well on mobile and desktop.
- Navigation between pages is smooth.
- No major errors or crashes detected.
- ⚠ Consider adding a confirmation page after successful checkout.
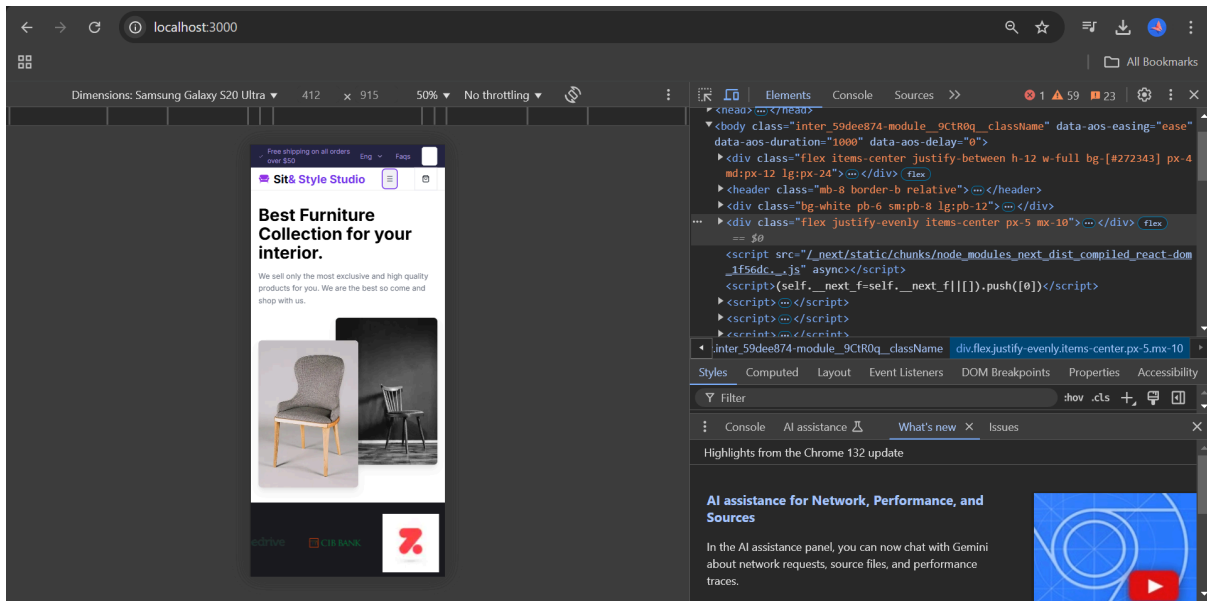
4. API Data Fetching Functionality

- API is successfully fetching product data from the backend.
- Product details such as names, descriptions, and prices are displaying correctly.
- API response time is optimal, ensuring smooth user experience.
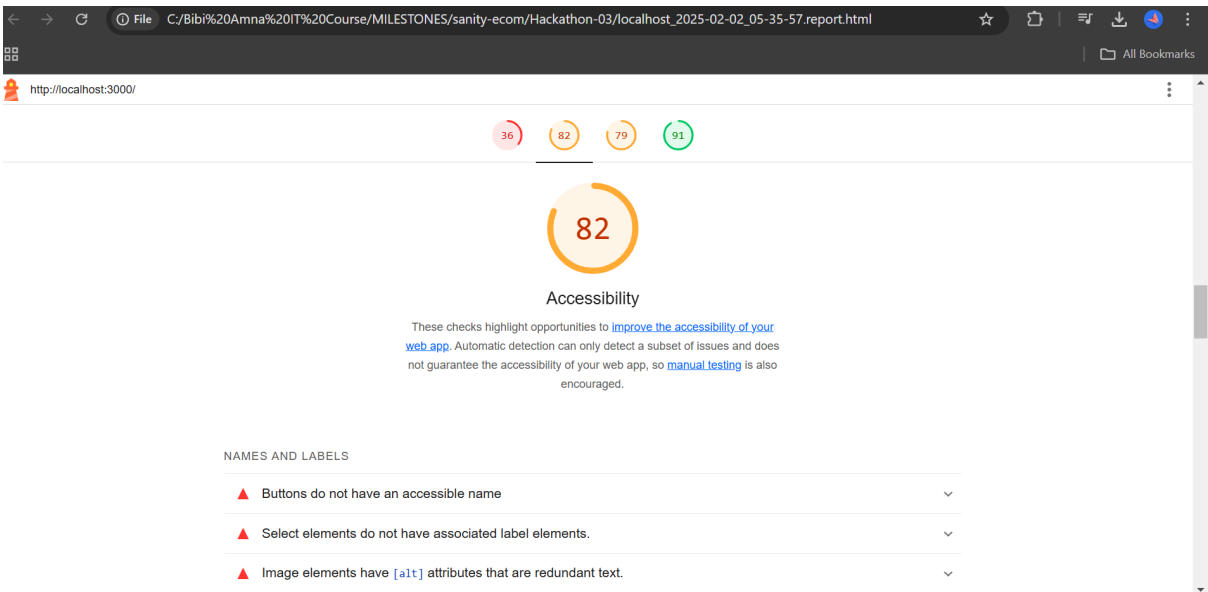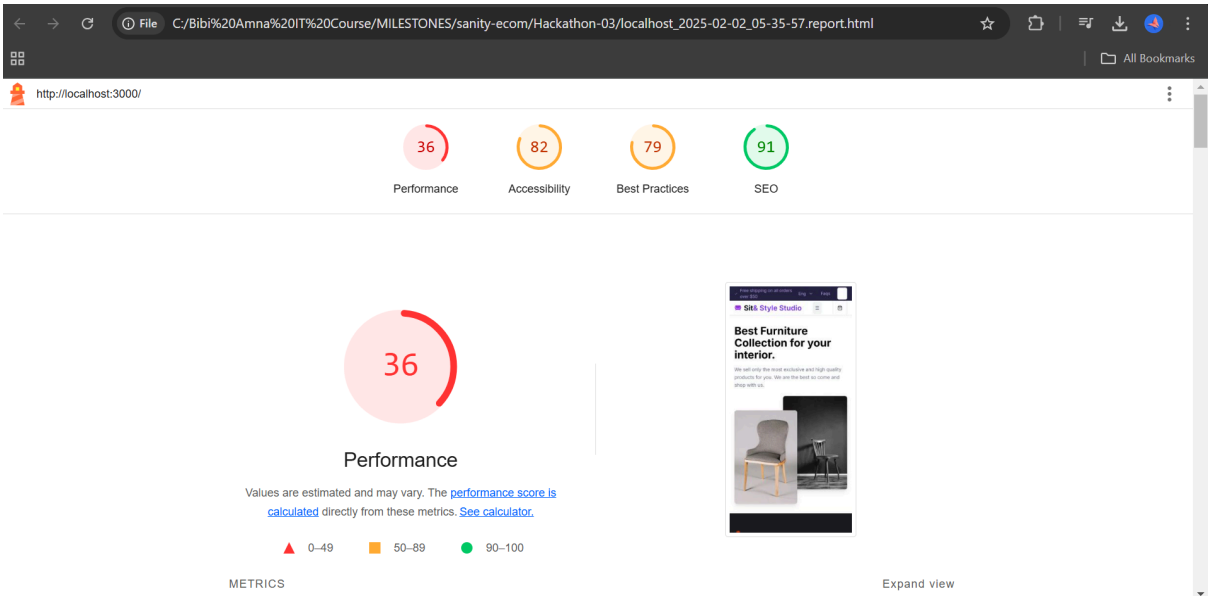- ⚠Some of the Product images are not displaying properly (potential issue with image URLs or file paths).

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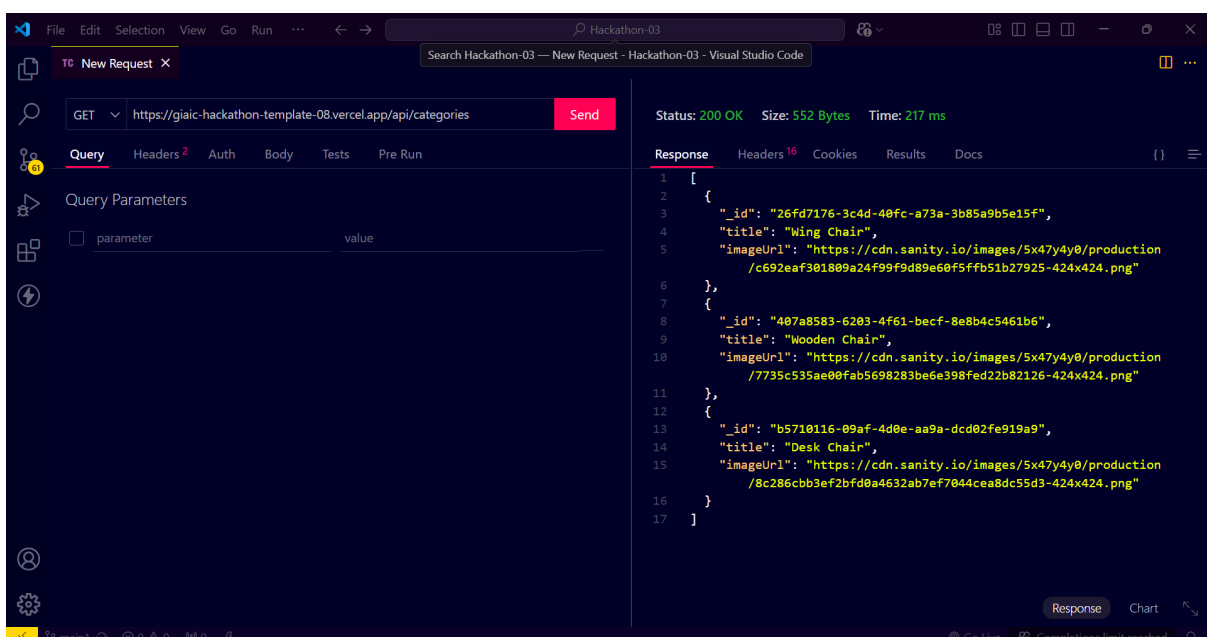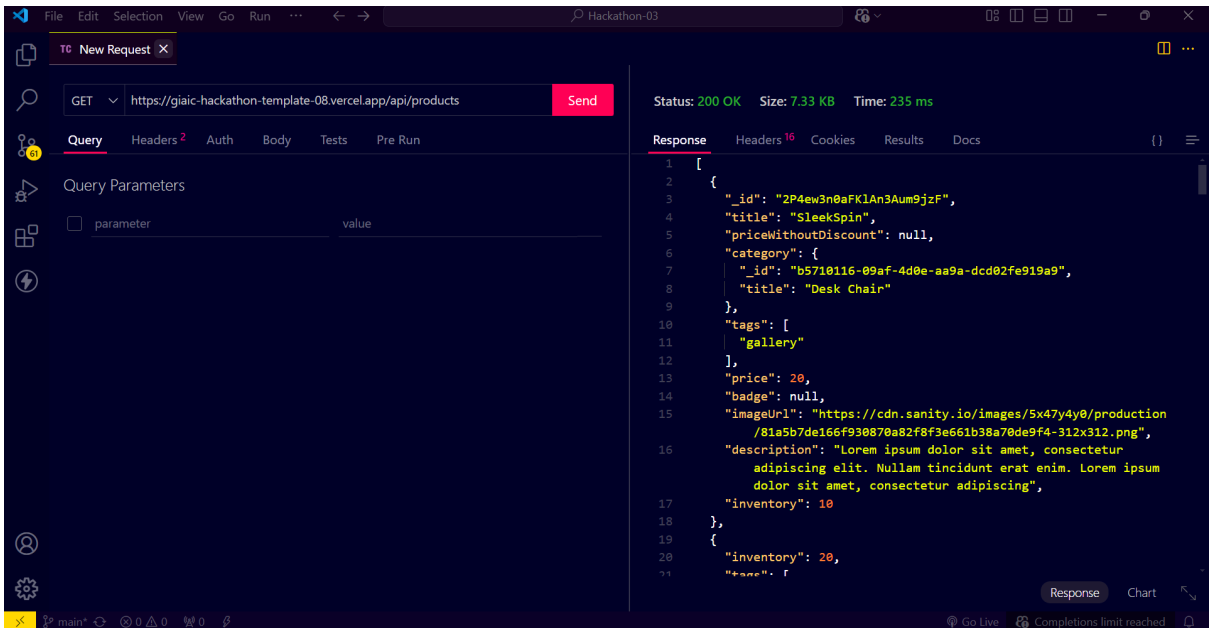
Test Case ID	Test Case Description	Test Steps	Expected Result	Actual Result	Status	Severity Level	Assigned To	Remarks
TC001	Validate product listing page	Open product page > Verify products	Products displayed correctly	Products displayed correctly	Passed	High	-	No issues found
TC002	Test API error handling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

Performance Testing

http://localhost:3000/ ⋮

36 82 79 91

79

Best Practices

GENERAL

▲ Uses third-party cookies — 2 cookies found ⌄

▲ Issues were logged in the `Issues` panel in Chrome Devtools ⌄

▲ Missing source maps for large first-party JavaScript ⌄

TRUST AND SAFETY

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http://localhost:3000/ ⋮

36 82 79 91

91

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.

CRAWLING AND INDEXING

▲ Links are not crawlable ⌄

To appear in search results, crawlers need access to your app.

ADDITIONAL ITEMS TO MANUALLY CHECK (1)   Show

DEVELOPERS RESOURCES

PERFORMANCE   MONITOR

Security Overview

localhost:3000

All Bookmarks

412   ✕   915

Elements   Console   Sources   Network   Performance   Memory   Application   Security ✕   Lighthouse   Recorder   ⚠ 39   🔴 12

Security

ⓘ Overview

▼ Main origin

Reload to view details

Security overview

🔒 ⓘ ⚠

This page has a non-HTTPS secure origin.

Gray Elegance
$8

Nordic Spin
$30