

# Day 5 -Testing and Backend Refinement

## (Bandage)

### **Overview**

Today I have completed the final round of testing, error handling, and backend integration refinements for the Bandage Marketplace. This platform specializes in offering a wide variety of dresses for men, women, kitchenware, crockery as well as furniture. The objective was to ensure that all website components function smoothly, were optimized for speed, and are ready for real-world deployment.

### **Overview of Tasks Completed**

#### **Functional Testing:**

I thoroughly tested the core features of the website, including product pages for dresses, cutlery and chair, category listings, cart operations and user profile management.

I manually ensured that each page is loading correctly, that products are displayed with their details.

#### **Error Handling:**

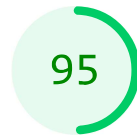
I added error messages for situations where something goes wrong like network failures or missing data. For example, if a product is not found or a category has no product, I made sure the website shows a clear message to the user: "No product available" or similar.

#### **Backend Integration:**

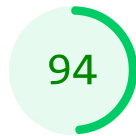
I worked on integrating the backend so the product data is fetched properly from the server. If the server fails, the website shows a fallback UI that handles the error smoothly without crashing.

# Detailed Performance of Bandage

Test Case	Test Case Description	Test Steps	Expected result	Actual result	Status	Severity	Remarks
TS01	Validating the product listing page	Open the shop page > View products	Product displayed correctly	Products displayed correctly	Passed	Low	None
TS02	Test Error handlings	Disconnect the API > Refresh page	Show error code	Error code shown	Passed	Medium	None
TS03	Adding products to the cart	Open the shop page > Add products to cart	Cart gets updated with the new product	Cart updated	Passed	High	None
TS04	Check Mobile responsiveness	Open page in Mobile with Devtools	Responsive layout adjusts to mobile version	Responsive layout adjusted	Passed	Medium	None



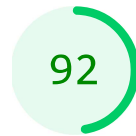
Performance



Accessibility



Best Practices



SEO



## 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

0.3 s

Largest Contentful Paint

0.8 s

Total Blocking Time

180 ms

Cumulative Layout Shift

0

Speed Index

0.7 s



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Show audits relevant to: All [FCP](#) [LCP](#) [TBT](#)

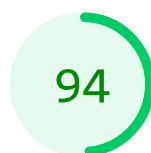
### DIAGNOSTICS

▲	Serve images in next-gen formats — Potential savings of 361 KiB	▼
▲	Efficiently encode images — Potential savings of 273 KiB	▼
▲	Reduce initial server response time — Root document took 810 ms	▼
▲	Page prevented back/forward cache restoration — 4 failure reasons	▼
	Minify JavaScript — Potential savings of 5 KiB	▼
	Defer offscreen images — Potential savings of 44 KiB	▼
	Avoid serving legacy JavaScript to modern browsers — Potential savings of 0 KiB	▼
	Reduce unused JavaScript — Potential savings of 207 KiB	▼
○	JavaScript execution time — 0.4 s	▼
○	Minimizes main-thread work — 0.8 s	▼
○	Avoid long main-thread tasks — 3 long tasks found	▼
○	Avoids enormous network payloads — Total size was 2,625 KiB	▼
○	Avoids an excessive DOM size — 306 elements	▼
○	Largest Contentful Paint element — 820 ms	▼

More information about the performance of your application. These numbers don't [directly affect](#) the Performance score.

PASSED AUDITS (24)

Show



## Accessibility

These checks highlight opportunities to [improve the accessibility of your web app](#). Automatic detection can only detect a subset of issues and does not guarantee the accessibility of your web app, so [manual testing](#) is also encouraged.

CONTRAST

▲	Background and foreground colors do not have a sufficient contrast ratio.	▼
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These are opportunities to improve the legibility of your content.

NAVIGATION

▲	Heading elements are not in a sequentially-descending order	▼
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These are opportunities to improve keyboard navigation in your application.

ADDITIONAL ITEMS TO MANUALLY CHECK (10)	Show
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These items address areas which an automated testing tool cannot cover. Learn more in our guide on [conducting an accessibility review](#).

PASSED AUDITS (21)	Show
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NOT APPLICABLE (34)	Show
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Best Practices

USER EXPERIENCE

▲	Displays images with incorrect aspect ratio	▼
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TRUST AND SAFETY

○	Ensure CSP is effective against XSS attacks	▼
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GENERAL

▲ Missing source maps for large first-party JavaScript



PASSED AUDITS (12)

Show

NOT APPLICABLE (3)

Show



## 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

▲ robots.txt is not valid Lighthouse was unable to download a robots.txt file



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

ADDITIONAL ITEMS TO MANUALLY CHECK (1)

Show

Run these additional validators on your site to check additional SEO best practices.

PASSED AUDITS (8)

Show

NOT APPLICABLE (1)

Show

■ Captured at Feb 4, 2025, 6:00 PM GMT+5

■ Initial page load

■ Emulated Desktop with Lighthouse 12.2.1

■ Custom throttling

■ Single page session

■ Using Chromium 132.0.0.0 with devtools