

DAY 5

TESTING AND BACKED REFINMENT ECOMMERCE WEBSITE

RESPONSIVE AND FUNCTIONAILTY 😊

step:1

TEST TO FUNCTIONAILTY:

1. Add to Cart

- ✓ Verify that products can be added to the cart.
- ✓ Ensure the cart updates correctly when items are added.
- ✓ Check if the same product updates quantity instead of duplicating.
- ✓ Test removing items from the cart.

2. Search Bar

- ✓ Test searching for products by name, category, and keywords.
- ✓ Ensure search results update dynamically.
- ✓ Verify that an empty search shows a relevant message.

3. Filters

- ✓ Check if filters work correctly (e.g., price range, categories, brand).
- ✓ Ensure multiple filters can be applied simultaneously.
- ✓ Verify that removing filters updates the product list correctly.

4. Wishlist

- ✓ Test adding/removing products from the wish list.
- ✓ Ensure wish list persists after page refresh or logout/login.
- ✓ Verify that clicking a wish list item redirects to the product page.

5. Reviews & Ratings

- ✓ Ensure users can submit reviews with ratings.
- ✓ Check if reviews appear instantly after submission.
- ✓ Verify average rating calculations are correct.
- ✓ Ensure inappropriate content is not allowed (if moderation exists).

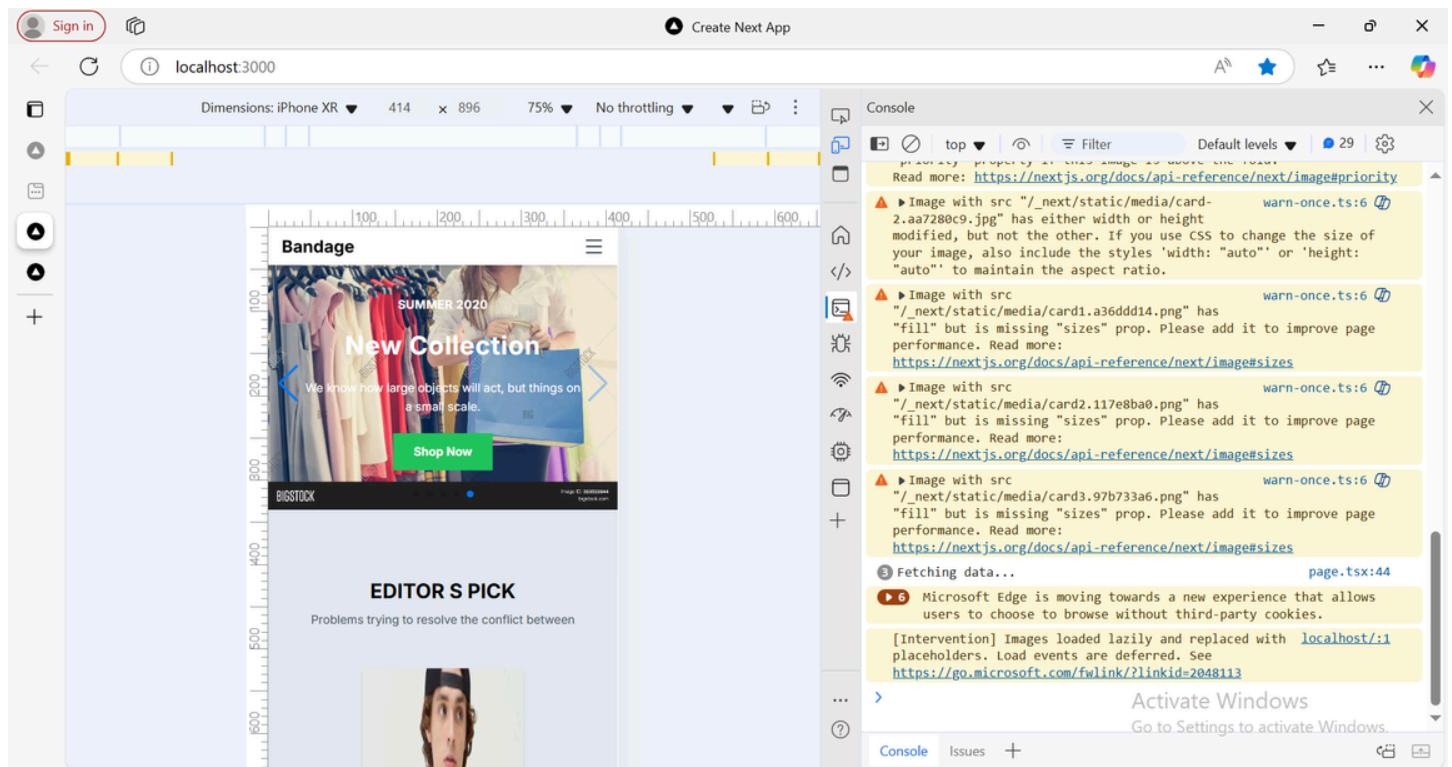
6. Swiper (Product Slider)

- ✓ Verify products slide smoothly without glitches.
- ✓ Ensure navigation arrows/buttons work properly.
- ✓ Check auto-play functionality (if enabled).

Step2

Test Responsive:

- all project are responsive



step3

POSTMAN API:

Thunder Client interface showing a GET request to `https://template6-six.vercel.app/api/products://www.thu...`. The status is **404 Not Found** with a size of **6.98 KB** and a time of **786 ms**. The response body is an HTML document with the following structure:

```

1 <!DOCTYPE html><html lang="en"><head><meta charset
2   ="utf-8" /><meta
3     name="viewport" content="width=device-width,
4       initial-scale=1" /><link
5     rel="preload" href="/_next/static/media
6       /4473ecc91f70f139-s.p.woff"
7     as="font" crossorigin type="font/woff" /><link
8     rel="preload"
9     href="/_next/static/media/463dafcda517f24f-s.p
10      .woff" as="font" crossorigin
11      type="font/woff" /><link rel="stylesheet"
12      href="/_next/static/css/b50828e6d606c618.css"
13      data-precedence="next" /><link rel="preload" as
14      ="script"
15      fetchPriority="low"
16      href="/_next/static/chunks/webpack
17      -b86e61804a1af26e.js" /><script
18      src="/_next/static/chunks/fd9d1056
19      -4b1f03d535bc16ef.js"
20      async></script><script src="/_next/static/chunks
21      /117-0bcb6f0734bf7d11.js"
22      async></script><script
23      src="/_next/static/chunks/main-app
24      -06a1fdf53a8458a9.js"

```

Thunder Client interface showing a GET request to `https://template6-six.vercel.app/api/products://www.thu...`. The status is **405 Method Not Allowed** with a size of **0 Bytes** and a time of **814 ms**. The response body shows the following headers:

Header	Value
cache-control	public, max-age=0, must-revalidate
content-disposition	inline; filename="404"
content-type	text/html; charset=utf-8
date	Fri, 07 Feb 2025 11:12:31 GMT
server	Vercel
strict-transport-sec	max-age=63072000; includeSubDomains; prelo

step:4

performance

lighthouse:

Mobile

https://pagespeed.web.dev/analysis/https-hackathon3-rho-vercel-app/js21tej4wa?form_factor=mobile

https://hackathon3-rho.vercel.app/

Analyze

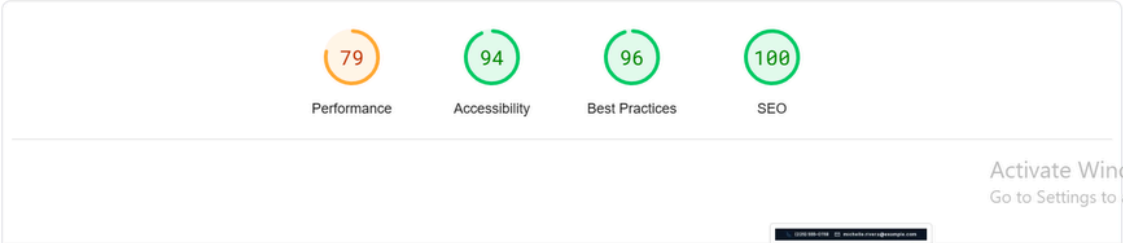
Mobile

Desktop

Discover what your real users are experiencing

No Data

Diagnose performance issues



Activate Windows
Go to Settings to activate Windows.

PageSpeed Insights

Copy Link

Docs

Mobile

Desktop

79

Performance

Values are estimated and may vary. The performance score is calculated directly from these metrics. See calculator.

▲ 0-49

■ 50-89

● 90-100

First Contentful Paint

2.3 s

Largest Contentful Paint

4.7 s

Expand view

Activate Windows
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PageSpeed Insights

Mobile Desktop

Speed Index
3.5 s

Captured at Feb 7, 2025, 3:45 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 Ir

View Treemap

DIAGNOSTICS

Avoid multiple page redirects — Potential savings of 1,990 ms

Show audits relevant to: All FCP LCP TBT

PageSpeed Insights

Mobile Desktop

- ▲ Largest Contentful Paint image was lazily loaded
- ▲ Eliminate render-blocking resources — Potential savings of 440 ms
- ▲ Reduce unused JavaScript — Potential savings of 174 KiB
- Properly size images — Potential savings of 115 KiB
- Defer offscreen images — Potential savings of 17 KiB
- Initial server response time was short — Root document took 180 ms
- Avoids enormous network payloads — Total size was 914 KiB
- Avoids an excessive DOM size — 366 elements
- Avoid chaining critical requests — 2 chains found
- JavaScript execution time — 0.3 s
- Minimizes main-thread work — 0.7 s

Desktop

https://pagespeed.web.dev/analysis/https-hackathon3-rho-vercel-app/js21tej4wa?form_factor=desktop

Report from Feb 7, 2025, 3:45:23 PM

https://hackathon3-rho.vercel.app/

Analyze

Mobile

Desktop

Discover what your real users are experiencing

No Data

Diagnose performance issues

96

Performance

84

Accessibility

96

Best Practices

100

SEO

Activate Windows
Go to Settings to activate Windows.

Mobile

Desktop

96

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

● First Contentful Paint

0.7 s

● Largest Contentful Paint

1.1 s

Expand view

Activate Windows
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Mobile

Desktop

100 ms

Speed Index

1.4 s

Captured at Feb 7, 2025, 3:45 PM GMT+5

Emulated Desktop with Lighthouse 12.2.3

Single page session

Initial page load

Custom throttling

Using HeadlessChromium 131.0.6778.264 with Jr

View Treemap

Show audits relevant to: **All** FCP LCP TBT CLS

DIAGNOSTICS

▲ Avoid multiple page redirects — Potential savings of 470 ms

▲ Largest Contentful Paint image was lazily loaded

Activate Windows
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Mobile Desktop

- Properly size images — Potential savings of 44 KiB
- Reduce unused JavaScript — Potential savings of 173 KiB
- Initial server response time was short — Root document took 200 ms
- Avoid large layout shifts — 1 layout shift found
- Avoids enormous network payloads — Total size was 843 KiB
- Avoids an excessive DOM size — 366 elements
- Avoid chaining critical requests — 2 chains found
- JavaScript execution time — 0.4 s
- Minimizes main-thread work — 0.7 s
- Minimize third-party usage — Third-party code blocked the main thread for 0 ms
- Largest Contentful Paint element — 1,130 ms
- Avoid long main-thread tasks — 1 long task found

Activate Windows
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PageSpeed Insights

DAY 5 - Doc - Canva DAY4

pagespeed.web.dev/analysis/https-hackathon3-rho-vercel-app/js21tej4wa?form_factor=desktop

PageSpeed Insights

Copy Link Docs

Mobile Desktop

PASSED AUDITS (21) Show

Full-screen Snip

84

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.

Activate Windows
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Type here to search

28°C Haze

ENG INTL 4:22 pm 07/02/2025

These items address areas which an automated testing tool cannot cover. Learn more in our guide on [conducting an accessibility review](#).

PASSED AUDITS (20)

NOT APPLICABLE (33)



Best Practices

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USER EXPERIENCE

▲ Displays images with incorrect aspect ratio

TRUST AND SAFETY

○ Ensure CSP is effective against XSS attacks

PASSED AUDITS (13)

Show

NOT APPLICABLE (3)

Show

Activate Windows
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Ecommerce website csv

Test Case ID	Test Case Description	Test Steps	Expected Result	Actual Result	Status	Severity Level	Assigned To	Remarks
TC002	Test API error handling	Disconnect API > Refresh page	Show fallback UI with error message	Error message shown	Passed	high	-	Handled gracefully
TC003	Check cart functionality	Add product to cart > Verify cart contents	Cart updates with added product	Cart updates with added product	Passed	High	-	Works as expected
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
TC005	Check wish cart functionality	Add product to cart > Verify wish cart contents	wish Cart updates with added product	wish cart updates with added product	Passed	High		