

Day 6: Performance and Deployment Preparation Report

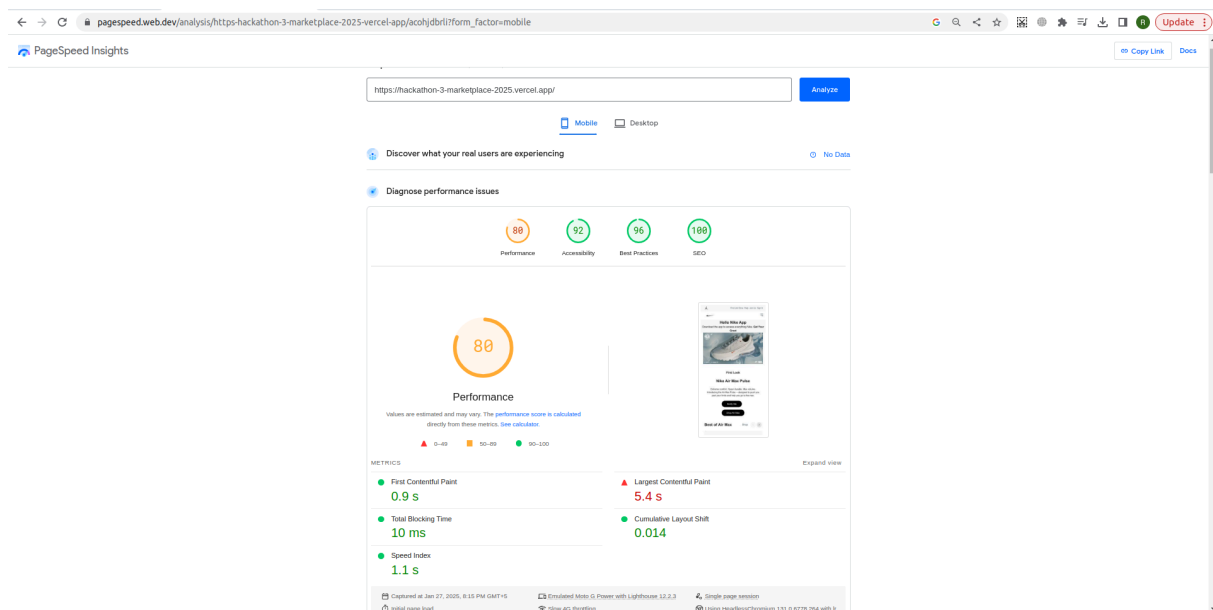
Staging Environment Testing

PageSpeed Insights Testing:

I conducted performance tests for the staging environment using PageSpeed Insights. Screenshots of the results are provided below.

Homepage:

Screenshots:



pagespeed.web.dev/analysis/https-hackathon-3-marketplace-2025-vercel-app/achydrifnform_factor-mobile

PageSpeed Insights

Mobile Desktop

Initial page load

View Treemap

DIAGNOSTICS

Largest Contentful Paint element — 5,400 ms

Largest Contentful Paint image was lazily loaded

Serve images in next-gen formats — Potential savings of 1,072 KiB

Properly size images — Potential savings of 734 KiB

Reduce unused JavaScript — Potential savings of 24 KiB

Eliminate render-blocking resources — Potential savings of 120 ms

Image elements do not have explicit width and height

Defer offscreen images — Potential savings of 348 KiB

Avoid large layout shifts — 1 layout shift found

Initial server response time was short — Flood document took 20 ms

Avoids enormous network payloads — Total size was 1,609 KiB

Avoids an excessive DOM size — 246 elements

Avoid chaining critical requests — 1 chain found

JavaScript execution time — 0.1 s

Minimizes main-thread work — 0.3 s

Avoid long main-thread tasks — 1 long task found

More information about the performance of your application. These numbers don't directly affect the Performance score.

PASSED AUDITS (25)

Show

pagespeed.web.dev/analysis/https-hackathon-3-marketplace-2025-vercel-app/achydrifnform_factor-mobile

PageSpeed Insights

Mobile Desktop

PASSED AUDITS (26)

Show

92

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; no manual testing is also encouraged.

NAMES AND LABELS

Buttons do not have an accessible name

These are opportunities to improve the semantics of the controls in your application. This may enhance the experience for users of assistive technology. See a screen reader.

NAVIGATION

Heading elements are not in a sequentially-descending order

These are opportunities to improve keyboard navigation in your application.

ADDITIONAL ITEMS TO MANUALLY CHECK (16)

Show

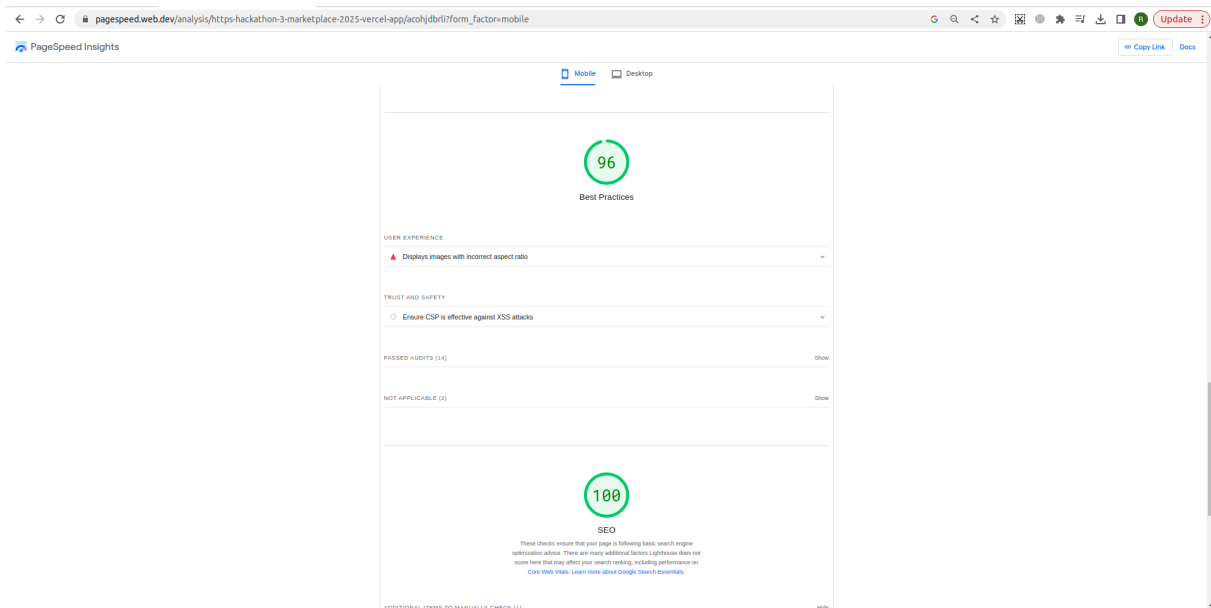
These items address areas which an automated testing tool cannot cover. Learn more in our guide on [conducting an accessibility review](#).

PASSED AUDITS (12)

Show

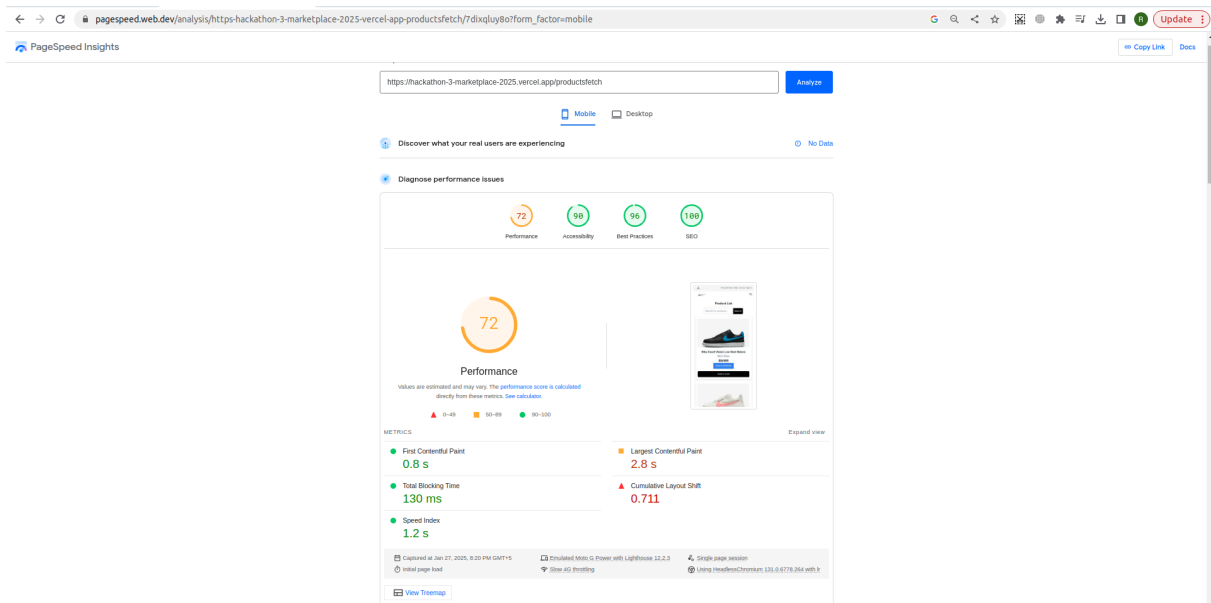
NOT APPLICABLE (14)

Show



Product Listing Page:

Screenshots:



pagespeed.web.dev/analysis/https-hackathon-3-marketplace-2025-vercel-app-products/fetch/7dixquy807form_factor-mobile

PageSpeed Insights

MobileDesktop

Speed Index

1.2 s

Explored at Jan 07, 2025, 6:20 PM GMT+5

Emulated Moto G Power with LightHouse 12.2.3

Single page session

Initial page load

Show AS Preloading

Using HeadlessChromium 130.0.6778.254 with Y

View Treemap

DIAGNOSTICS

Avoid large layout shifts — 1 layout shift found

Largest Contentful Paint image was lazily loaded

Largest Contentful Paint element — 2,750 ms

Reduce unused JavaScript — Potential savings of 45 KiB

JavaScript execution time — 0.4 s

Minimizes main-thread work — 0.6 s

Avoid long main-thread tasks — 2 long tasks found

Initial server response time was short — Root document took 170 ms

Avoids enormous network payloads — Total size was 299 KiB

Avoids an excessive DOM size — 540 elements

Avoid chaining critical requests — 1 chain found

Minimize third-party usage — Third-party code blocked the main thread for 0 ms

More information about the performance of your application. These numbers don't directly affect the Performance score.

PASSED AUDITS (24)

Show

pagespeed.web.dev/analysis/https-hackathon-3-marketplace-2025-vercel-app-products/fetch/7dixluy8o7form_factor-mobile

PageSpeed Insights

Mobile Desktop

PASSED AUDITS (24) Show

90

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.

NAMES AND LABELS

▲ Buttons do not have an accessible name Show

These are opportunities to improve the semantics of the controls in your application. This may enhance the experience for users of assistive technology. See a screen reader.

CONTRAST

▲ Background and foreground colors do not have a sufficient contrast ratio. Show

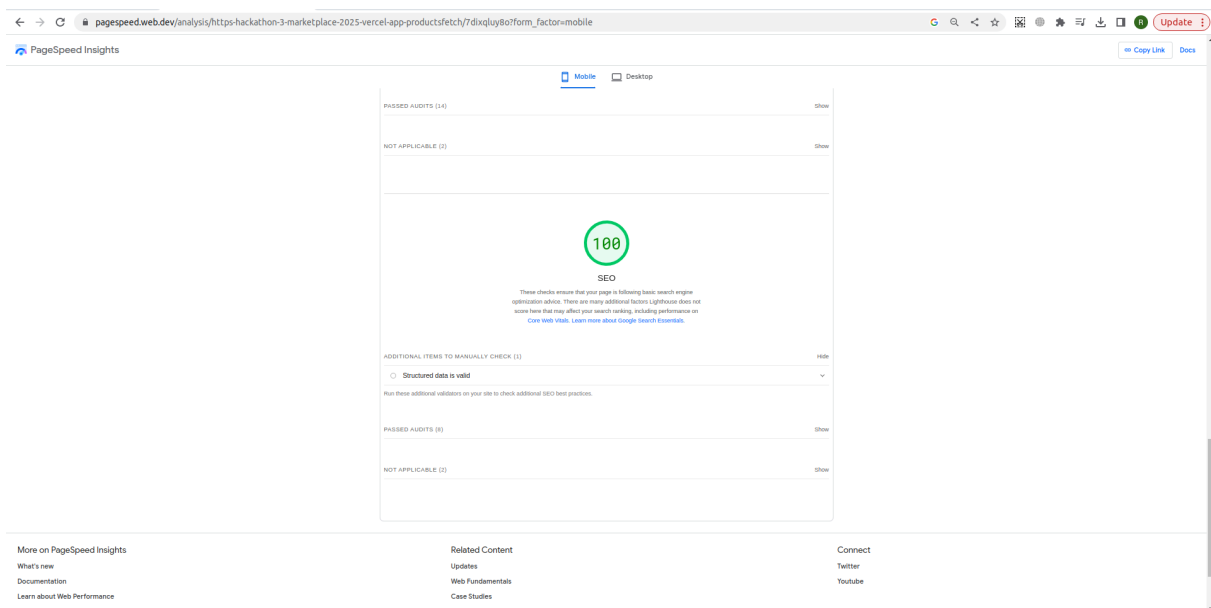
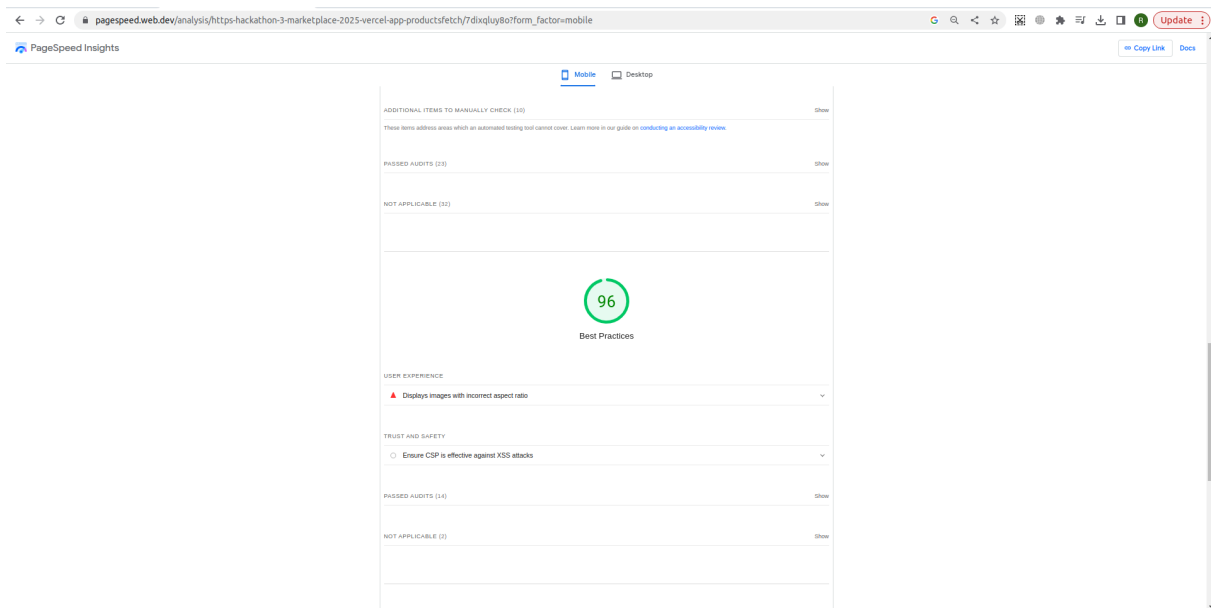
These are opportunities to improve the legibility of your content.

ADDITIONAL ITEMS TO MANUALLY CHECK (15) Show

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

PASSED AUDITS (15) Show

NOT APPLICABLE (32) Show



Prepared By:

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Slot: Saturday 2 to 5