http://127.0.0.1:5501/page2.html

⋮

94	**76**	**92**	**72**	**PWA**
Performance	Accessibility	Best Practices	SEO	PWA

94

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	Time to Interactive
2.0 s	**2.0 s**

Speed Index	Total Blocking Time
2.0 s	**0 ms**

Largest Contentful Paint	Cumulative Layout Shift
2.9 s	**0**

View Original Trace   View Treemap

Show audits relevant to: All   FCP   TBT   LCP   CLS

OPPORTUNITIES

Opportunity   Estimated Savings

⚠ Eliminate render-blocking resources   **1.66 s** ⌄

Serve images in next-gen formats   **0.45 s** ⌄

Enable text compression   **0.3 s** ⌄

Minify JavaScript   **0.15 s** ⌄

Reduce unused CSS   **0.15 s** ⌄

Reduce unused JavaScript   **0.15 s** ⌄

These suggestions can help your page load faster. They don't [directly affect](#) the Performance score.

DIAGNOSTICS

⚠ Image elements do not have explicit `width` and `height` ⌄

○ Avoid chaining critical requests — 11 chains found ⌄

○ Keep request counts low and transfer sizes small — 16 requests • 193 KiB ⌄

○ Largest Contentful Paint element — 1 element found ⌄

○ 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 (28)   Show

76

Accessibility

These checks highlight opportunities to [improve the accessibility of your web app](#). Only a subset of accessibility issues can be automatically detected so manual testing is also encouraged.

NAMES AND LABELS

⚠ Form elements do not have associated labels ⌄

⚠ Links do not have a discernible name ⌄

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

CONTRAST

⚠️ Background and foreground colors do not have a sufficient contrast ratio. ⌄

These are opportunities to improve the legibility of your content.

INTERNATIONALIZATION AND LOCALIZATION

⚠️ `<html>` element does not have a valid value for its `[lang]` attribute. ⌄

These are opportunities to improve the interpretation of your content by users in different locales.

ADDITIONAL ITEMS TO MANUALLY CHECK (10)   Show

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

PASSED AUDITS (11)   Show

NOT APPLICABLE (29)   Show

92

Best Practices

GENERAL

⚠️ Browser errors were logged to the console ⌄

TRUST AND SAFETY

○ Ensure CSP is effective against XSS attacks ⌄

PASSED AUDITS (13)   Show

NOT APPLICABLE (2)   Show

72

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]().

CONTENT BEST PRACTICES

🔺   Document does not have a meta description Description text is empty.   ⌄

Format your HTML in a way that enables crawlers to better understand your app's content.

CRAWLING AND INDEXING

🔺   Links are not crawlable   ⌄

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

MOBILE FRIENDLY

🔺   Document doesn't use legible font sizes — 42.79% legible text   ⌄

Tap targets are not sized appropriately — 78% appropriately sized tap targets   ⌄

Make sure your pages are mobile friendly so users don't have to pinch or zoom in order to read the content pages. [Learn more]().

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 (2)   Show

PWA

These checks validate the aspects of a Progressive Web App. [Learn more](#).

INSTALLABLE

⚠️ Web app manifest or service worker do not meet the installability requirements — 1 reason ⌄

PWA OPTIMIZED

⚠️ Does not register a service worker that controls page and `start_url` ⌄

⚠️ Is not configured for a custom splash screen Failures: No manifest was fetched. ⌄

⚠️ Does not set a theme color for the address bar.
   Failures: No manifest was fetched, No `<meta name="theme-color">` tag found. ⌄

Content is sized correctly for the viewport ⌄

Has a `<meta name="viewport">` tag with `width` or `initial-scale` ⌄

⚠️ Does not provide a valid `apple-touch-icon` ⌄

⚠️ Manifest doesn't have a maskable icon No manifest was fetched ⌄

ADDITIONAL ITEMS TO MANUALLY CHECK (3)   Show

These checks are required by the baseline [PWA Checklist](#) but are not automatically checked by Lighthouse. They do not affect your score but it's important that you verify them manually.

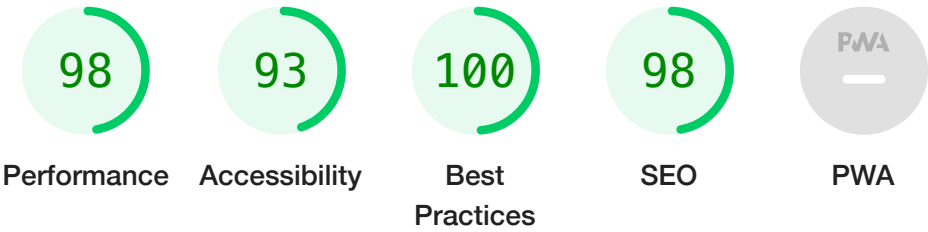◼️ Captured at Mar 8, 2022, 3:13 PM GMT+1

◼️ Initial page load

◼️ Emulated Moto G4 with Lighthouse 9.1.0

◼️ Slow 4G throttling

◼️ Single page load

◼️ Using Chromium 98.0.4758.109 with devtools

Generated by **Lighthouse** 9.1.0 | [File an issue](#)

http://127.0.0.1:5500/page2.html

98 Performance

93 Accessibility

100 Best Practices

98 SEO

PWA

98

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	Time to Interactive
1.1 s	1.1 s
Speed Index	Total Blocking Time
1.1 s	0 ms
Largest Contentful Paint	Cumulative Layout Shift
2.3 s	0

[View Original Trace]   [View Treemap]

Show audits relevant to: All   FCP   TBT   LCP   CLS

OPPORTUNITIES

Opportunity   Estimated Savings

Eliminate render-blocking resources   0.52 s ⌄

These suggestions can help your page load faster. They don't [directly affect](#) the Performance score.

DIAGNOSTICS

⚠️ Image elements do not have explicit `width` and `height`   ⌄

◯ Avoid chaining critical requests — 4 chains found   ⌄

◯ Keep request counts low and transfer sizes small — 9 requests • 191 KiB   ⌄

◯ Largest Contentful Paint element — 1 element found   ⌄

◯ 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 (33)   Show

93

Accessibility

These checks highlight opportunities to [improve the accessibility of your web app](#). Only a subset of accessibility issues can be automatically detected so manual testing is also encouraged.

CONTRAST

⚠️ Background and foreground colors do not have a sufficient contrast ratio.   ⌄

These are opportunities to improve the legibility of your content.

NAMES AND LABELS

⚠️ Links do not have a discernible name   ⌄

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

ADDITIONAL ITEMS TO MANUALLY CHECK (10)   Show

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

PASSED AUDITS (13)   Show

NOT APPLICABLE (29)   Show

100

Best Practices

TRUST AND SAFETY

○ Ensure CSP is effective against XSS attacks   ⌄

PASSED AUDITS (14)   Show

NOT APPLICABLE (2)   Show

98

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](#).

MOBILE FRIENDLY

Tap targets are not sized appropriately — 85% appropriately sized tap targets   ⌄

Make sure your pages are mobile friendly so users don't have to pinch or zoom in order to read the content pages. [Learn more](#).

ADDITIONAL ITEMS TO MANUALLY CHECK (1)   Show

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

PASSED AUDITS (11)	Show

NOT APPLICABLE (2)	Show

PWA

PWA

These checks validate the aspects of a Progressive Web App. Learn more.

INSTALLABLE

⚠ Web app manifest or service worker do not meet the installability requirements — 1 reason ⌄

PWA OPTIMIZED

⚠ Does not register a service worker that controls page and `start_url` ⌄

⚠ Is not configured for a custom splash screen Failures: No manifest was fetched. ⌄

⚠ Does not set a theme color for the address bar.
Failures: No manifest was fetched, No `<meta name="theme-color">` tag found. ⌄

⚠ Content is not sized correctly for the viewport The viewport size of 407px does not match the window size of 360px. ⌄

Has a `<meta name="viewport">` tag with `width` or `initial-scale` ⌄

⚠ Does not provide a valid `apple-touch-icon` ⌄

⚠ Manifest doesn't have a maskable icon No manifest was fetched ⌄

ADDITIONAL ITEMS TO MANUALLY CHECK (3)   Show

These checks are required by the baseline PWA Checklist but are not automatically checked by Lighthouse. They do not affect your score but it's important that you verify them manually.

Captured at Mar 8, 2022, 3:11   Emulated Moto G4 with   Single page load

PM GMT+1

Initial page load

Lighthouse 9.1.0

Slow 4G throttling

Using Chromium
98.0.4758.109 with devtools

Generated by **Lighthouse** 9.1.0 | File an issue