http://127.0.0.1:5500/index.html ⋮

63	**87**	**85**	**94**	**PWA**
Performance	Accessibility	Best Practices	SEO	Progressive Web App

0–49	50–89	90–100

There were issues affecting this run of Lighthouse:

- Chrome extensions negatively affected this page's load performance. Try auditing the page in incognito mode or from a Chrome profile without extensions.

63

Performance

Metrics ≡

First Contentful Paint	2.4 s	▲	Time to Interactive	9.4 s
Speed Index	2.4 s		Total Blocking Time	40 ms
▲ Largest Contentful Paint	13.8 s		Cumulative Layout Shift	0

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

[View Trace]

Opportunities — These suggestions can help your page load faster. They don't directly affect the Performance score.

Opportunity	Estimated Savings
▲ Serve images in next-gen formats	78.45 s ⌄
▲ Efficiently encode images	65.85 s ⌄
▲ Properly size images	6 s ⌄

⚠ Preload key requests	2.71 s ⌄
⚠ Eliminate render-blocking resources	1.62 s ⌄
⚠ Remove unused CSS	1.5 s ⌄
⚠ Remove unused JavaScript	1.5 s ⌄
Minify CSS	0.15 s ⌄

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

⚠ Avoid enormous network payloads — Total size was 33,341 KB	⌄
⚠ Ensure text remains visible during webfont load	⌄
⚠ Does not use HTTP/2 for all of its resources — 25 requests not served via HTTP/2	⌄
Minimize main-thread work — 2.6 s	⌄
Avoid chaining critical requests — 9 chains found	⌄
Keep request counts low and transfer sizes small — 25 requests • 33,341 KB	⌄
Largest Contentful Paint element — 1 element found	⌄
Avoid large layout shifts — 5 elements found	⌄

Passed audits (14) ⌄

87

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 — These are opportunities to improve the legibility of your content.

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

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

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

Names and labels — 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.

⚠ Links do not have a discernible name	⌄

⌄

Additional items to manually check (10) — These items address areas which an automated testing tool cannot cover. Learn more in our guide on conducting an accessibility review.

Passed audits (11) ⌄

Not applicable (27) ⌄

85

Best Practices

Trust and Safety

⚠ Includes front-end JavaScript libraries with known security vulnerabilities — 9 vulnerabilities detected ⌄

User Experience

⚠ Displays images with inappropriate size ⌄

Passed audits (12) ⌄

94

SEO

These checks ensure that your page is optimized for search engine results ranking. There are additional factors Lighthouse does not check that may affect your search ranking. Learn more.

Mobile Friendly — 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.

⚠ Tap targets are not sized appropriately — 35% appropriately sized tap targets ⌄

Additional items to manually check (1) — Run these additional validators on your site to check additional SEO best practices. ⌄

Passed audits (10) ⌄

Not applicable (2) ⌄

PWA

Progressive Web App

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

Fast and reliable

Page load is fast enough on mobile networks ⌄

⚠ Current page does not respond with a 200 when offline ⌄

⚠ `start_url` does not respond with a 200 when offline No usable web app manifest found on page. ⌄

Installable

Uses HTTPS ⌄

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

⚠ Web app manifest does not meet the installability requirements Failures: No manifest was fetched. ⌄

PWA Optimized

⚠ Does not redirect HTTP traffic to HTTPS ⌄

⚠ 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` ⌄

Contains some content when JavaScript is not available ⌄

⚠ 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) — 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. ⌄

Runtime Settings

URL   http://127.0.0.1:5500/index.html

Fetch Time   Jan 15, 2021, 9:51 PM GMT

Device   Emulated Moto G4

Network throttling	150 ms TCP RTT, 1,638.4 Kbps throughput (Simulated)
CPU throttling	4x slowdown (Simulated)
Channel	devtools
User agent (host)	Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/85.0.4183.121 Safari/537.36
User agent (network)	Mozilla/5.0 (Linux; Android 6.0.1; Moto G (4)) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/80.0.3963.0 Mobile Safari/537.36 Chrome-Lighthouse
CPU/Memory Power	1658

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