https://mengkoaylim.github.io/project4seo/index.html

42	97	93	100	PWA
Performance	Accessibility	Best Practices	SEO	Progressive Web App

▲ 0–49   50–89   90–100

42

Performance

Metrics

▲ First Contentful Paint	Time to Interactive
2.8 s	**3.7 s**

▲ Speed Index	▲ Total Blocking Time
4.4 s	**470 ms**

▲ Largest Contentful Paint	Cumulative Layout Shift
2.9 s	**0.084**

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

View Original Trace   **View Treemap**

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

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	3.16 s ⌄

Warnings: Unable to locate resource …img/texture-paper.png

▲ Properly size images	2.56 s	⌄
▲ Efficiently encode images	2.36 s	⌄

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

▲ Serve static assets with an efficient cache policy — 21 resources found		⌄
▲ Ensure text remains visible during webfont load		⌄
▲ Image elements do not have explicit `width` and `height`		⌄
▲ Avoid enormous network payloads — Total size was 7,999 KiB		⌄
▲ Minimize main-thread work — 5.0 s		⌄
○ Avoid chaining critical requests — 9 chains found		⌄
○ Keep request counts low and transfer sizes small — 23 requests • 7,999 KiB		⌄
○ Largest Contentful Paint element — 1 element found		⌄
○ Avoid large layout shifts — 4 elements found		⌄
○ Avoid long main-thread tasks — 12 long tasks found		⌄

Passed audits (26) ⌄

97

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.

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.	⌄

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 (15) ⌄

Not applicable (28)

93

Best Practices

Trust and Safety

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

○ Ensure CSP is effective against XSS attacks

General

○ Detected JavaScript libraries

Passed audits (15)

Not applicable (1)

100

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.

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

Passed audits (10)

Not applicable (4)

Progressive Web App

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` ⌄

Redirects 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` ⌄

⚠ 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	https://mengkoaylim.github.io/project4seo/index.html
Fetch Time	Jan 7, 2022, 10:32 PM EST
Device	Emulated Desktop
Network throttling	40 ms TCP RTT, 10,240 Kbps throughput (Simulated)
CPU throttling	1x slowdown (Simulated)
Channel	devtools
User agent (host)	Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like

Gecko) Chrome/96.0.4664.110 Safari/537.36

User agent (network) Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/94.0.4590.2 Safari/537.36 Chrome-Lighthouse

CPU/Memory Power 382

Axe version 4.2.3

Generated by **Lighthouse** 8.5.0 | File an issue