

GitHub repo: <https://github.com/2Coo85/Project4.git>

SEO Recommendations

Contrast

1. Text should have high contrast and not have a brightness too close to the background brightness. Too low contrast can make it difficult to read and for users to distinguish the shapes of the letters.

Ref.-web.dev- “color contrast”

Names and Labels

2. Links should have descriptive text
3. Images should have a short, descriptive [alt] if they are informative; decorative elements can be empty
4. Form labels should point to associated input

Ref.: web.dev- “label”, “image alt”, “link text”

Internationalization and localization

5. The <html> tag should specify a language to make it easier for screen readers to find the right sound library for the right language.

Ref.: web.dev-“html has lang”

Content Best Practices

6. Meta description should give a brief summary of a webpage that will be displayed in search results. They should also be directly relevant to the page it describes and unique from other pages; this can directly influence the click-through rate.

Ref.: moz.com- Meta Description

Focus Visible

7. Elements on page should be visibly highlighted for keyboard navigation

Ref.: w3.org- Guideline 2.4.7

Mobile Friendly

8. Links should be spaced evenly away from each other so each link can be tapped or clicked without overlapping with another link

Ref.: [moz.com-Mobile Optimization](https://moz.com/mobile-optimization)

Navigation

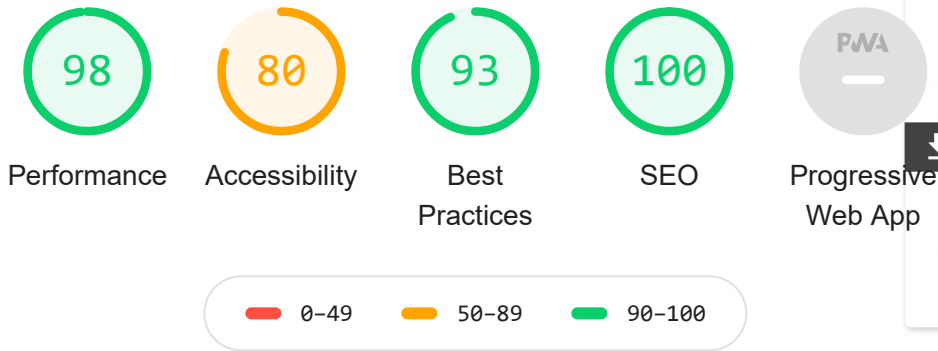
9. Pages should have headings for keyboard users to navigate the pages
10. Navigation should be consistent between pages

Ref.: [w3.org](https://www.w3.org/) Guideline 3.2.3, Guideline 2.4.6

Black Hat Practice

11. There should not be a flood of links; this lowers the rank of the website
12. Keywords should not be in small font, matching the background

Ref.: [pcmag.com-The promises and pitfalls of Black Hat SEO](https://www.pcmag.com/news/the-promises-and-pitfalls-of-black-hat-seo); [forbes.com-25 Black Hat Techniques that are killing your SEO](https://www.forbes.com/sites/forbesreprints/2015/05/25/black-hat-seo-techniques-that-are-killing-your-seo/)



- Print Summary
- Print Expanded
- Copy JSON
- Save as HTML
- Save as JSON
- Open in Viewer
- Toggle Dark Theme



Performance

Metrics

● First Contentful Paint	1.9 s	● First Meaningful Paint	1.9 s
● Speed Index	2.2 s	● First CPU Idle	1.9 s
● Time to Interactive	2.0 s	▲ Max Potential First Input Delay	270 ms

View Trace

Values are estimated and may vary. The performance score is based only on these metrics.



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

Opportunity	Estimated Savings
▲ Efficiently encode images	25.5 s
▲ Serve images in next-gen formats	25.5 s
▲ Properly size images	17.85 s
▲ Eliminate render-blocking resources	0.84 s
■ Remove unused 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 10,302 KB	▼
▲ Serve static assets with an efficient cache policy — 24 resources found	▼
▲ Ensure text remains visible during webfont load	▼
● Avoid chaining critical requests — 11 chains found	▼
● Keep request counts low and transfer sizes small — 25 requests • 10,302 KB	▼
Passed audits (14)	▼



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.	▼
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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.	▼
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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	▼
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Additional items to manually check (11) — These items address areas which an automated testing tool cannot cover. Learn more in our guide on [conducting an accessibility review](#).

Passed audits (8)	▼
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Not applicable (24)	▼
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Best Practices

▲ Includes front-end JavaScript libraries with known security vulnerabilities — 7 vulnerabilities detected

Passed audits (14)

100

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.](#)

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

Passed audits (9)

Not applicable (4)

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.

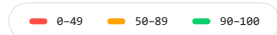
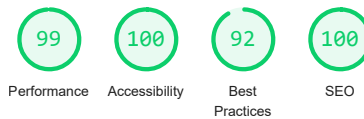
★ PWA Optimized

- 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 `- 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

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://2coo85.github.io/Tasya-MainHub/index.html
Fetch time	Jul 8, 2020, 8:53 AM CDT
Device	Emulated Desktop
Network throttling	150 ms TCP RTT, 1,638.4 Kbps throughput (Simulated)
CPU throttling	4x slowdown (Simulated)
User agent (host)	Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/83.0.4103.116 Safari/537.36
User agent (network)	Mozilla/5.0 (Macintosh; Intel Mac OS X 10_13_6) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/74.0.3694.0 Safari/537.36 Chrome-Lighthouse
CPU/Memory Power	648



Performance

Metrics



● First Contentful Paint	0.5 s	● Time to Interactive	0.5 s
● Speed Index	0.5 s	● Total Blocking Time	0 ms
● Largest Contentful Paint	0.8 s	■ Cumulative Layout Shift	0.137

Values are estimated and may vary. The [performance score is calculated](#) directly from these metrics. [See calculator.](#)

[View Trace](#)



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

▲ Ensure text remains visible during webfont load	▼
▲ Serve static assets with an efficient cache policy — 23 resources found	▼
● Avoid chaining critical requests — 2 chains found	▼
● Keep request counts low and transfer sizes small — 27 requests • 641 KB	▼
● Largest Contentful Paint element — 1 element found	▼
● Avoid large layout shifts — 5 elements found	▼
Passed audits (24)	▼



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.

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 (16) ▼

Not applicable (25) ▼



Best Practices

General

▲ Browser errors were logged to the console	▼
Passed audits (13)	▼



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.](#)

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

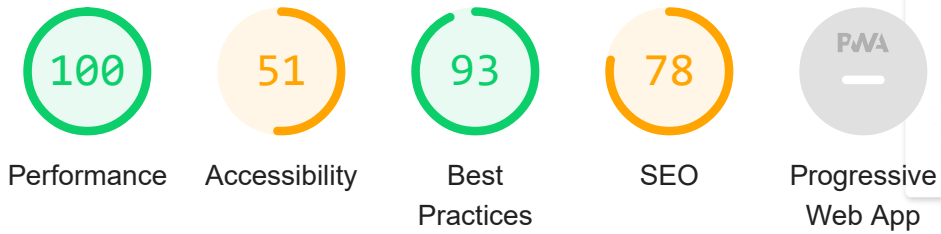
practices.

Passed audits (9)	▼
Not applicable (4)	▼

Runtime Settings

URL	https://2coo85.github.io/Project4/index.html
Fetch Time	Jul 22, 2020, 9:17 AM CDT
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/84.0.4147.89 Safari/537.36 Edg/84.0.522.40
User agent (network)	Mozilla/5.0 (Macintosh; Intel Mac OS X 10_13_6) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/80.0.3963.0 Safari/537.36 Chrome-Lighthouse
CPU/Memory Power	1136

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- Copy JSON
- Save as HTML
- Save as JSON
- Open in Viewer
- Toggle Dark Theme

0-49 50-89 90-100



Performance

Metrics



First Contentful Paint	1.3 s	First Meaningful Paint	1.3 s
Speed Index	1.3 s	First CPU Idle	1.3 s
Time to Interactive	1.3 s	Max Potential First Input Delay	20 ms

View Trace

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

Opportunity	Estimated Savings
Eliminate render-blocking resources	0.32 s
Serve images in next-gen formats	0.15 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 — 6 resources found

- Avoid chaining critical requests — 10 chains found
 - Keep request counts low and transfer sizes small — 14 requests • 190 KB
- Passed audits (19)**



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.

Navigation — These are opportunities to improve keyboard navigation in your application.

- ▲ The page does not contain a heading, skip link, or landmark region

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.

- ▲ Image elements do not have `[alt]` attributes
- ▲ Form elements do not have associated labels
- ▲ Links do not have a discernible name

Additional items to manually check (11) — These items address areas which an automated testing tool cannot cover. Learn more in our guide on [conducting an accessibility review](#).

Passed audits (7)

Not applicable (22)



Best Practices

▲ Browser errors were logged to the console



Passed audits (14)



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.](#)

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

▲ Document does not have a meta description **Description text is empty.**



▲ Image elements do not have [alt] attributes



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



Passed audits (7)



Not applicable (4)



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- Does not set a theme color for the address bar.
- ▲ Failures: No manifest was fetched, No `- 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

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.

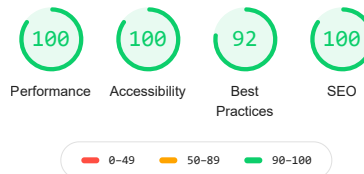
Runtime Settings

URL	https://2coo85.github.io/Tasya-MainHub/page2.html
Fetch time	Jul 8, 2020, 9:17 AM CDT
Device	Emulated Desktop
Network throttling	150 ms TCP RTT, 1,638.4 Kbps throughput (Simulated)
CPU throttling	4x slowdown (Simulated)
User agent (host)	Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/83.0.4103.116 Safari/537.36
User agent (network)	Mozilla/5.0 (Macintosh; Intel Mac OS X 10_13_6) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/74.0.3694.0 Safari/537.36 Chrome-Lighthouse

CPU/Memory Power

672

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Performance

Metrics



● First Contentful Paint	0.5 s	● Time to Interactive	0.5 s
● Speed Index	0.5 s	● Total Blocking Time	0 ms
● Largest Contentful Paint	0.7 s	● Cumulative Layout Shift	0.001

Values are estimated and may vary. The [performance score is calculated](#) directly from these metrics. [See calculator.](#)

[View Trace](#)



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

▲ Ensure text remains visible during webfont load	▼
▲ Serve static assets with an efficient cache policy — 11 resources found	▼
● Avoid chaining critical requests — 2 chains found	▼
● Keep request counts low and transfer sizes small — 15 requests • 310 KB	▼
● Largest Contentful Paint element — 1 element found	▼
● Avoid large layout shifts — 5 elements found	▼
Passed audits (24)	▼



Accessibility

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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 (18) ▼

Not applicable (23) ▼



Best Practices

General

▲ Browser errors were logged to the console	▼
Passed audits (13)	▼



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.](#)

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

practices.

Passed audits (9)	▼
Not applicable (4)	▼

Runtime Settings	
URL	https://2coo85.github.io/Project4/contactMe.html
Fetch Time	Jul 22, 2020, 9:19 AM CDT
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/84.0.4147.89 Safari/537.36 Edg/84.0.522.40
User agent (network)	Mozilla/5.0 (Macintosh; Intel Mac OS X 10_13_6) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/80.0.3963.0 Safari/537.36 Chrome-Lighthouse
CPU/Memory Power	1174

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