https://spacequiz603.herokuapp.com/

89	97	93	90	PWA
Performance	Accessibility	Best Practices	SEO	Progressive Web App

▲ 0–49   50–89   90–100

89

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	2.1 s	Cumulative Layout Shift	0.04

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

View Original Trace

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

Opportunity	Estimated Savings
▲ Properly size images	1.36 s ⌄
Serve images in next-gen formats	0.64 s ⌄
Eliminate render-blocking resources	0.25 s ⌄

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

▲ Image elements do not have explicit `width` and `height`	⌄
Avoid chaining critical requests — 5 chains found	⌄

Keep request counts low and transfer sizes small — 12 requests • 1,954 KiB   ⌄

Largest Contentful Paint element — 1 element found   ⌄

Avoid large layout shifts — 5 elements found   ⌄

Avoid long main-thread tasks — 1 long task 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.

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

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

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 (24)   ⌄

93

Best Practices

User Experience

▲   Displays images with incorrect aspect ratio   ⌄

Passed audits (15)   ⌄

⌄

Not applicable (1)

90

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 ⌄

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

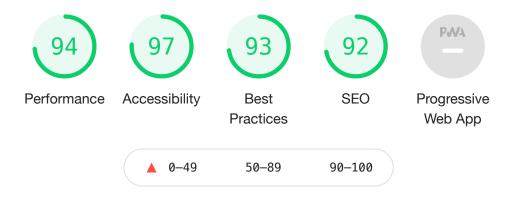**Passed audits (9)** ⌄

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

⚠️ 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	https://spacequiz603.herokuapp.com/
Fetch Time	Dec 15, 2020, 10:28 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 (Macintosh; Intel Mac OS X 11_1_0) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/87.0.4280.88 Safari/537.36
User agent (network)	Mozilla/5.0 (Macintosh; Intel Mac OS X 10_14_6) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/84.0.4143.7 Safari/537.36 Chrome-Lighthouse
CPU/Memory Power	2101
Axe version	3.5.5

Generated by **Lighthouse** 6.4.0 | File an issue

https://spacequiz603.herokuapp.com/

94	97	93	92	PWA
Performance	Accessibility	Best Practices	SEO	Progressive Web App

▲ 0–49   50–89   90–100

94

Performance

Metrics

First Contentful Paint	1.7 s	Time to Interactive	1.7 s
Speed Index	1.7 s	Total Blocking Time	0 ms
Largest Contentful Paint	3.1 s	Cumulative Layout Shift	0.017

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

[View Original Trace]

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

Opportunity	Estimated Savings
▲ Properly size images	7.8 s ⌄
▲ Eliminate render-blocking resources	0.87 s ⌄
▲ Remove unused JavaScript	Error! ⌄
▲ Remove duplicate modules in JavaScript bundles	Error! ⌄
▲ Avoid serving legacy JavaScript to modern browsers	Error! ⌄

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

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

   Avoid chaining critical requests — 5 chains found   ⌄

   Keep request counts low and transfer sizes small — 12 requests • 1,927 KiB   ⌄

   Largest Contentful Paint element — 1 element found   ⌄

   Avoid large layout shifts — 2 elements found   ⌄

   Avoid long main-thread tasks — 1 long task found   ⌄

Passed audits (24)   ⌄

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.

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

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

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 (24)   ⌄

93

Best Practices

User Experience

⚠ Displays images with incorrect aspect ratio ⌄

Passed audits (15) ⌄

Not applicable (1) ⌄

92

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 ⌄

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

Passed audits (11) ⌄

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. ⌄
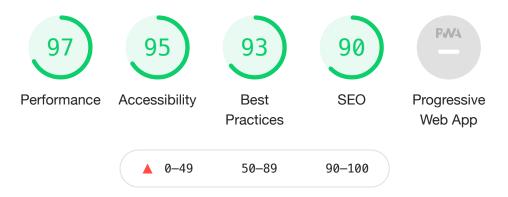
Installable

	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	https://spacequiz603.herokuapp.com/
Fetch Time	Dec 15, 2020, 10:22 PM EST
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 (Macintosh; Intel Mac OS X 11_1_0) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/87.0.4280.88 Safari/537.36
User agent (network)	Mozilla/5.0 (Linux; Android 7.0; Moto G (4)) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/84.0.4143.7 Mobile Safari/537.36 Chrome-Lighthouse
CPU/Memory Power	2099

CPU/Memory Power   2099

Axe version   3.5.5

Generated by **Lighthouse** 6.4.0 | <u>File an issue</u>

https://spacequiz603.herokuapp.com/quiz/

97	**95**	**93**	**90**	**PWA**
Performance	Accessibility	Best Practices	SEO	Progressive Web App

▲ 0–49   50–89   90–100

97

Performance

Metrics

First Contentful Paint	0.8 s	Time to Interactive	0.8 s
Speed Index	0.8 s	Total Blocking Time	0 ms
Largest Contentful Paint	1.2 s	Cumulative Layout Shift	0

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

View Original Trace

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

Opportunity	Estimated Savings
Eliminate render-blocking resources	0.48 s ⌄
▲ Remove unused JavaScript	Error! ⌄
▲ Remove duplicate modules in JavaScript bundles	Error! ⌄
▲ Avoid serving legacy JavaScript to modern browsers	Error! ⌄

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

Avoid chaining critical requests — 5 chains found	⌄

Keep request counts low and transfer sizes small — 9 requests • 254 KiB ⌄

Largest Contentful Paint element — 1 element found ⌄

Avoid large layout shifts — 1 element found ⌄

Passed audits (27) ⌄

95

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. ⌄

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

⚠ Heading elements are not in a sequentially-descending order ⌄

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 (23) ⌄

93

Best Practices

User Experience

⚠ Displays images with incorrect aspect ratio ⌄

⌄

Passed audits (15)

Not applicable (1) ⌄

90

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 ⌄

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

▲ 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	https://spacequiz603.herokuapp.com/quiz/
Fetch Time	Dec 15, 2020, 10:29 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 (Macintosh; Intel Mac OS X 11_1_0) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/87.0.4280.88 Safari/537.36
User agent (network)	Mozilla/5.0 (Macintosh; Intel Mac OS X 10_14_6) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/84.0.4143.7 Safari/537.36 Chrome-Lighthouse
CPU/Memory Power	2045
Axe version	3.5.5

Generated by **Lighthouse** 6.4.0 | File an issue

https://spacequiz603.herokuapp.com/quiz/

89	**95**	**93**	**92**	PWA
Performance	Accessibility	Best Practices	SEO	Progressive Web App

▲ 0–49   50–89   90–100

89

Performance

Metrics ≡

First Contentful Paint	2.0 s	Time to Interactive	2.5 s
Speed Index	2.0 s	Total Blocking Time	0 ms
Largest Contentful Paint	3.6 s	Cumulative Layout Shift	0

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

[View Original Trace]

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

Opportunity	Estimated Savings
▲ Eliminate render-blocking resources	1.03 s ⌄
Remove unused CSS	0.45 s ⌄
Properly size images	0.3 s ⌄
▲ Remove unused JavaScript	Error! ⌄
▲ Remove duplicate modules in JavaScript bundles	Error! ⌄
▲ Avoid serving legacy JavaScript to modern browsers	Error! ⌄

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

Avoid chaining critical requests — 5 chains found	⌄
Keep request counts low and transfer sizes small — 9 requests • 332 KiB	⌄
Largest Contentful Paint element — 1 element found	⌄
Avoid large layout shifts — 1 element found	⌄
Avoid long main-thread tasks — 1 long task found	⌄

Passed audits (24) ⌄

95

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. ⌄

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

▲ Heading elements are not in a sequentially-descending order ⌄

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 (23) ⌄

93

Best Practices

Best Practices

User Experience

⚠ Displays images with incorrect aspect ratio ⌄

Passed audits (15) ⌄

Not applicable (1) ⌄

92

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 ⌄

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

Passed audits (11) ⌄

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

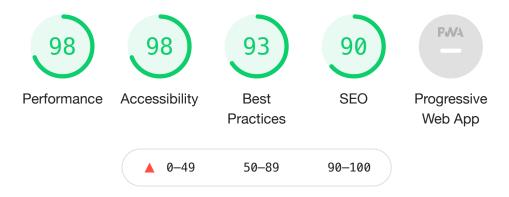|	
URL	https://spacequiz603.herokuapp.com/quiz/
Fetch Time	Dec 15, 2020, 10:23 PM EST
Device	Emulated Moto G4
Network throttling	150 ms TCP RTT, 1,638.4 Kbps throughput (Simulated)
CPU throttling	4x slowdown (Simulated)
Channel	devtools
User agent (host)	Mozilla/5.0 (Macintosh; Intel Mac OS X 11_1_0) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/87.0.4280.88 Safari/537.36
	Mozilla/5.0 (Linux; Android 7.0; Moto G (4)) AppleWebKit/537.36 (KHTML, like

User agent (network)

Gecko) Chrome/84.0.4143.7 Mobile Safari/537.36 Chrome-Lighthouse

CPU/Memory Power   2044

Axe version   3.5.5

Generated by **Lighthouse** 6.4.0 | File an issue

https://spacequiz603.herokuapp.com/about/

98	98	93	90	PWA
Performance	Accessibility	Best Practices	SEO	Progressive Web App

▲ 0–49   50–89   90–100

98
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	1.2 s	Cumulative Layout Shift	0.037

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

[View Original 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	0.46 s ⌄
Eliminate render-blocking resources	0.27 s ⌄

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

▲ Image elements do not have explicit `width` and `height`	⌄
▲ Serve static assets with an efficient cache policy — 3 resources found	⌄
Avoid chaining critical requests — 5 chains found	⌄

Keep request counts low and transfer sizes small — 12 requests • 800 KiB	⌄
Largest Contentful Paint element — 1 element found	⌄
Avoid large layout shifts — 5 elements found	⌄

Passed audits (27) ⌄

98

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.

▲   Heading elements are not in a sequentially-descending order ⌄

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 (24) ⌄

93

Best Practices

User Experience

▲   Displays images with incorrect aspect ratio ⌄

Passed audits (15) ⌄

Not applicable (1) ⌄

90

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 ⌄

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

⚠ **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	https://spacequiz603.herokuapp.com/about/
Fetch Time	Dec 15, 2020, 10:30 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 (Macintosh; Intel Mac OS X 11_1_0) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/87.0.4280.88 Safari/537.36
User agent (network)	Mozilla/5.0 (Macintosh; Intel Mac OS X 10_14_6) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/84.0.4143.7 Safari/537.36 Chrome-Lighthouse
CPU/Memory Power	2075
Axe version	3.5.5

Generated by **Lighthouse** 6.4.0 | [File an issue](#)

https://spacequiz603.herokuapp.com/about/

99	98	93	92	PWA
Performance	Accessibility	Best Practices	SEO	Progressive Web App

▲ 0–49   50–89   90–100

99

Performance

Metrics   ☰

First Contentful Paint	1.7 s	Time to Interactive	2.3 s
Speed Index	1.7 s	Total Blocking Time	0 ms
Largest Contentful Paint	1.7 s	Cumulative Layout Shift	0

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

View Original 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	2.85 s ⌄
▲ Eliminate render-blocking resources	0.89 s ⌄
Remove unused JavaScript	0.47 s ⌄
Properly size images	0.45 s ⌄
Efficiently encode images	0.3 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.

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

⚠ Serve static assets with an efficient cache policy — **3 resources found** ⌄

Avoid chaining critical requests — 5 chains found ⌄

Keep request counts low and transfer sizes small — 12 requests • 787 KiB ⌄

Largest Contentful Paint element — 1 element found ⌄

Avoid long main-thread tasks — 1 long task found ⌄

Passed audits (23) ⌄

98

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.

⚠ Heading elements are not in a sequentially-descending order ⌄

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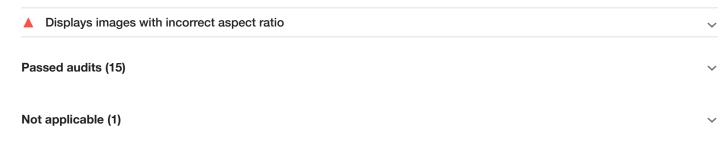Learn more in our guide on conducting an accessibility review.

Passed audits (16) ⌄

Not applicable (24) ⌄

93

Best Practices

User Experience

⚠ Displays images with incorrect aspect ratio ⌄

Passed audits (15) ⌄

Not applicable (1) ⌄

92

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 ⌄

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

Passed audits (11) ⌄

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	https://spacequiz603.herokuapp.com/about/
Fetch Time	Dec 15, 2020, 10:25 PM EST
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 (Macintosh; Intel Mac OS X 11_1_0) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/87.0.4280.88 Safari/537.36
User agent (network)	Mozilla/5.0 (Linux; Android 7.0; Moto G (4)) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/84.0.4143.7 Mobile Safari/537.36 Chrome-Lighthouse
CPU/Memory Power	2035

CPU/Memory Power 2035

Axe version 3.5.5

Generated by **Lighthouse** 6.4.0 | File an issue