https://spacex-launch-board.herokuapp.com/

62	**94**	**100**	**91**	PWA
Performance	Accessibility	Best Practices	SEO	Progressive Web App

▲ 0–49   50–89   90–100

There were issues affecting this run of Lighthouse:

- The page loaded too slowly to finish within the time limit. Results may be incomplete.

62

Performance

Metrics

First Contentful Paint	▲	2.1 s	Time to Interactive	2.9 s
Speed Index	▲	3.4 s	Total Blocking Time	140 ms
Largest Contentful Paint		2.1 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
▲ Properly size images	16.03 s ⌄
▲ Use HTTP/2	4.42 s ⌄
Remove unused JavaScript	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 18,231 KiB ⌄

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

⚠ Serve static assets with an efficient cache policy — 15 resources found ⌄

⚠ Avoid an excessive DOM size — 1,748 elements ⌄

⚠ Minimize main-thread work — 4.4 s ⌄

Avoid chaining critical requests — 3 chains found ⌄

Keep request counts low and transfer sizes small — 101 requests • 18,231 KiB ⌄

Largest Contentful Paint element — 1 element found ⌄

Avoid large layout shifts — 5 elements found ⌄

Avoid long main-thread tasks — 5 long tasks found ⌄

Passed audits (22) ⌄

94

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.
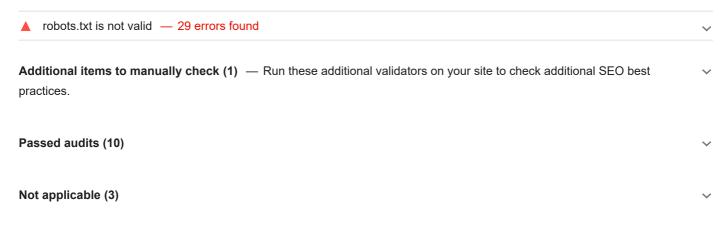
Passed audits (8) ⌄

Not applicable (32) ⌄

100

Best Practices

Passed audits (16) ⌄

Not applicable (1) ⌄

91

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](#).

Crawling and Indexing — To appear in search results, crawlers need access to your app.

⚠ robots.txt is not valid — 29 errors found ⌄

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

Passed audits (10) ⌄

Not applicable (3) ⌄

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 responds with a 200 when offline ⌄

⚠ `start_url` does not respond with a 200 when offline The start_url did respond, but not via a service worker. ⌄

Installable

Uses HTTPS ⌄

Registers a service worker that controls page and `start_url` ⌄

⚠ Web app manifest does not meet the installability requirements Failures: Manifest does not have `short_name`. ⌄

PWA Optimized

⚠ Does not redirect HTTP traffic to HTTPS ⌄

Configured for a custom splash screen ⌄

Sets a theme color for the address bar. ⌄

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 ⌄

Provides a valid `apple-touch-icon` ⌄

⚠ Manifest doesn't have a maskable 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://spacex-launch-board.herokuapp.com/
Fetch Time	Jan 18, 2021, 12:37 AM GMT+5:30
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/87.0.4280.141 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	1322
Axe version	3.5.5

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