



Performance

Metrics

First Contentful Paint	0.7 s	Time to Interactive	2.4 s
Speed Index	1.6 s	Total Blocking Time	190 ms
Largest Contentful Paint	2.0 s	Cumulative Layout Shift	0.13

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
▲ Use HTTP/2	1.5 s ▾
▲ Enable text compression	0.85 s ▾
Serve images in next-gen formats	0.65 s ▾
Remove unused JavaScript	0.29 s ▾
Eliminate render-blocking resources	0.14 s ▾
▲ Reduce initial server response time	0.13 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 an excessive DOM size — 2,123 elements

▾

Avoid enormous network payloads — Total size was 3,341 KiB	▼
Minimize main-thread work — 2.3 s	▼
Avoid chaining critical requests — 1 chain found	▼
User Timing marks and measures — 28 user timings	▼
Keep request counts low and transfer sizes small — 109 requests • 3,340 KiB	▼
Largest Contentful Paint element — 1 element found	▼
Avoid long main-thread tasks — 4 long tasks found	▼
Passed audits (20)	▼



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	▼
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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 (13)	▼
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Not applicable (27)	▼
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Best Practices

Passed audits (15)	▼
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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 — 15 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)



Progressive Web App

These checks validate the aspects of a Progressive Web App. [Learn more](#).

Fast and reliable

Page load is not fast enough on mobile networks

▲ Your page loads too slowly and is not interactive within 10 seconds. Look at the opportunities and diagnostics in the "Performance" section to learn how to improve.
— Interactive on simulated mobile network at 10.8 s

Current page responds with a 200 when offline

`start_url` responds with a 200 when offline

Installable

Uses HTTPS

Registers a service worker that controls page and `start_url`

Web app manifest meets the installability requirements

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 <code><meta name="viewport"></code> tag with <code>width</code> or <code>initial-scale</code>	✓
Contains some content when JavaScript is not available	✓
▲ Does not provide a valid <code>apple-touch-icon</code>	✓
Manifest has 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://ankitshar92-spacex.herokuapp.com/programs
Fetch Time	Nov 1, 2020, 5:33 PM 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 (Macintosh; Intel Mac OS X 10_12_6) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/86.0.4240.111 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	329

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