



# Performance

## Metrics

First Contentful Paint	1.9 s	Time to Interactive	4.1 s
▲ Speed Index	10.6 s	▲ Total Blocking Time	1,200 ms
Largest Contentful Paint	1.9 s	Cumulative Layout Shift	0

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

View Trace



**Opportunities** — These suggestions can help your page load faster. They don't [directly affect](#) the Performance score.

Opportunity	Estimated Savings
▲ Reduce initial server response time	4.24 s
Remove unused JavaScript	0.3 s

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

▲ Does not use HTTP/2 for all of its resources — 11 requests not served via HTTP/2	
▲ Avoid an excessive DOM size — 1,502 elements	
Minimize main-thread work — 2.8 s	

Reduce JavaScript execution time — 1.3 s	▼
User Timing marks and measures — 9 user timings	▼
Keep request counts low and transfer sizes small — 12 requests • 254 KB	▼
Largest Contentful Paint element — 1 element found	▼
Avoid large layout shifts — No elements 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.

**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 (9) ▼

Not applicable (32) ▼



## Best Practices

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](#).

**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 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

<b>URL</b>	https://murmuring-springs-90916.herokuapp.com/?limit=100
<b>Fetch Time</b>	Aug 17, 2020, 9:17 PM GMT+5:30
<b>Device</b>	Emulated Moto G4
<b>Network throttling</b>	150 ms TCP RTT, 1,638.4 Kbps throughput (Simulated)
<b>CPU throttling</b>	4x slowdown (Simulated)
<b>Channel</b>	devtools
<b>User agent (host)</b>	Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/84.0.4147.125 Safari/537.36
<b>User agent (network)</b>	Mozilla/5.0 (Linux; Android 6.0.1; Moto G (4)) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/80.0.3963.0 Mobile Safari/537.36 Chrome-Lighthouse
<b>CPU/Memory Power</b>	788

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