



Performance



Accessibility



Best Practices



SEO



Progressive Web App



Performance

Metrics



First Contentful Paint	1.9 s	Time to Interactive	3.4 s
Speed Index	2.5 s	Total Blocking Time	20 ms
Largest Contentful Paint	3.0 s	Cumulative Layout Shift	0.024

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	9 s
Eliminate render-blocking resources	0.94 s
Remove unused CSS	0.15 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	▼
▲ Serve static assets with an efficient cache policy — 9 resources found	▼
■ Avoid enormous network payloads — Total size was 3,110 KiB	▼
● Avoid chaining critical requests — 13 chains found	▼
● Keep request counts low and transfer sizes small — 27 requests • 3,110 KiB	▼
● Largest Contentful Paint element — 1 element found	▼
● Avoid large layout shifts — 3 elements found	▼
● Avoid long main-thread tasks — 5 long tasks found	▼
Passed audits (21)	▼



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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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 (18) ▼

Not applicable (21) ▼



Best Practices



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 (12) ▼

Not applicable (2) ▼



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 **The start_url did respond, but not via a service worker.** ▼

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: Manifest icon failed to be fetched, Manifest does not have `short_name`, Manifest does not have `name`.

PWA Optimized

- Redirects HTTP traffic to HTTPS ▼
- ▲ Is not configured for a custom splash screen **Failures: Manifest does not have `name`.** ▼

- ▲ Does not set a theme color for the address bar. **Failures:** 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 ▼
- 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://logisticbravo.github.io/Milestone_Project-1-3DPrintQ/articles-pg2.html
Fetch Time	Nov 12, 2020, 12:25 AM GMT
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 10_15_7) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/86.0.4240.80 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	1476

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