



Performance



Accessibility



Best Practices



SEO



Progressive Web App



Performance

Metrics



● First Contentful Paint	0.5 s	● Time to Interactive	0.8 s
● Speed Index	0.5 s	● Total Blocking Time	0 ms
● Largest Contentful Paint	0.8 s	● Cumulative Layout Shift	0.049

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	1.8 s
▲ Properly size images	0.84 s
■ Eliminate render-blocking resources	0.2 s
■ Remove unused JavaScript	0.2 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 — 8 resources found	▼
■ Avoid enormous network payloads — Total size was 3,031 KiB	▼

●	Avoid chaining critical requests — 13 chains found	▼
●	Keep request counts low and transfer sizes small — 26 requests • 3,031 KiB	▼
●	Largest Contentful Paint element — 1 element found	▼
●	Avoid large layout shifts — 5 elements found	▼
●	Avoid long main-thread tasks — 2 long tasks found	▼
Passed audits (23)		▼



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](#).

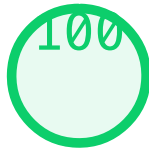
Passed audits (22) ▼

Not applicable (17) ▼



Best Practices

Passed audits (15) ▼



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 (4) ▼



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, 12:22 AM GMT
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_15_7) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/86.0.4240.80 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	1432

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