https://htamlyn.github.io/oc-project4/

66	87	86	94	PWA
Performance	Accessibility	Best Practices	SEO	Progressive Web App

▲ 0–49   50–89   90–100

66

Performance

Metrics
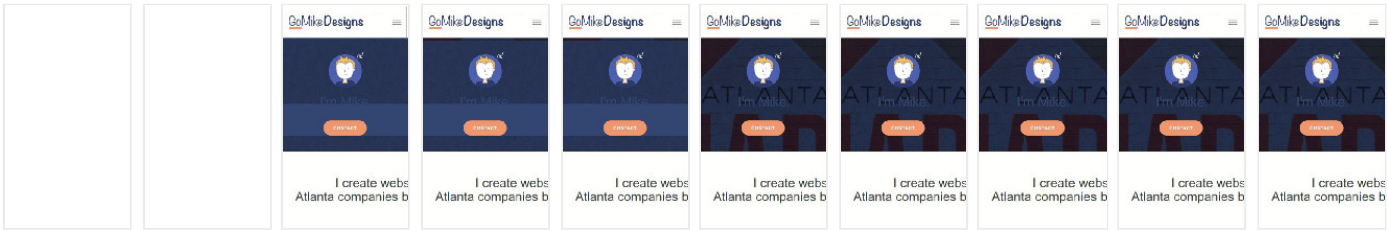
First Contentful Paint	2.8 s	Time to Interactive	3.5 s
Speed Index	3.6 s	Total Blocking Time	260 ms
▲ Largest Contentful Paint	10.3 s	Cumulative Layout Shift	0.144

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	99.75 s ⌄
▲ Efficiently encode images	80.85 ⌄

	s
▲ Properly size images	6 s ⌄
▲ Eliminate render-blocking resources	1.13 s ⌄
Remove unused JavaScript	0.3 s ⌄
Minify JavaScript	0.15 s ⌄
Remove unused CSS	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 31,261 KiB	⌄
▲ Serve static assets with an efficient cache policy — 24 resources found	⌄
▲ Ensure text remains visible during webfont load	⌄
▲ Image elements do not have explicit `width` and `height`	⌄
Minimize main-thread work — 4.0 s	⌄
Avoid chaining critical requests — 9 chains found	⌄
Keep request counts low and transfer sizes small — 26 requests • 31,261 KiB	⌄
Largest Contentful Paint element — 1 element found	⌄
Avoid large layout shifts — 5 elements found	⌄
Avoid long main-thread tasks — 7 long tasks found	⌄

Passed audits (18)   ⌄

87

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.	⌄

Internationalization and localization — These are opportunities to improve the interpretation of your content by users in different locales.

⚠️ `<html>` element does not have a valid value for its `[lang]` attribute. ⌄

Names and labels — These are opportunities to improve the semantics of the controls in your application. This may enhance the experience for users of assistive technology, like a screen reader.

⚠️ Links do not have a discernible name ⌄

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 (11) ⌄

Not applicable (27) ⌄

86

Best Practices

Trust and Safety

⚠️ Includes front-end JavaScript libraries with known security vulnerabilities — 9 vulnerabilities detected ⌄

User Experience

⚠️ Serves images with low resolution ⌄

Passed audits (14) ⌄

Not applicable (1) ⌄

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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.

Mobile Friendly — Make sure your pages are mobile friendly so users don't have to pinch or zoom in order to read the content pages. Learn more.

⚠ Tap targets are not sized appropriately — **35% appropriately sized tap targets** ⌄

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

Passed audits (11) ⌄

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 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

	Redirects 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

URL	https://htamlyn.github.io/oc-project4/
Fetch Time	Feb 20, 2021, 11:26 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_4) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/88.0.4324.182 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	1619
Axe version	3.5.5

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