

There were issues affecting this run of Lighthouse:

- Chrome extensions negatively affected this page's load performance. Try auditing the page in incognito mode or from a Chrome profile without extensions.



Performance

Metrics

First Contentful Paint	1.1 s	First Meaningful Paint	1.1 s
Speed Index	1.1 s	First CPU Idle	1.1 s
Time to Interactive	1.1 s	Max Potential First Input Delay	20 ms

View Trace

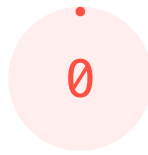
Values are estimated and may vary. The performance score is [based only on these metrics](#).

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

Minimize Critical Requests Depth — 2 chains found	▼
Keep request counts low and transfer sizes small — 3 requests • 2 KB	▼
Third-Party Usage — 1 Third-Party 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.

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.

▲ Document doesn't have a `<title>` element

Best practices — These items highlight common accessibility best practices.

▲ `[id]` attributes on the page are not unique

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

▲ `<html>` element does not have a `[lang]` attribute

Additional items to manually check (11) — These items address areas which an automated testing tool cannot cover. Learn more in our guide on [conducting an accessibility review](#).

Not applicable (31)



Best Practices

▲ Browser errors were logged to the console

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.](#)

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.](#)

- ▲ Does not have a `<meta name="viewport">` tag with width or initial-scale **No viewport meta tag found** ✓
- ▲ Document doesn't use legible font sizes
Text is illegible because there's no viewport meta tag optimized for mobile screens. ✓
- ▲ Tap targets are not sized appropriately
Tap targets are too small because there's no viewport meta tag optimized for mobile screens ✓

Content Best Practices — Format your HTML in a way that enables crawlers to better understand your app's content.

- ▲ Document doesn't have a `<title>` element ✓
- ▲ Document does not have a meta description ✓

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

Passed audits (5) ✓

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

Redirects HTTP traffic to HTTPS ▼

▲ Is not configured for a custom splash screen **Failures: No manifest was fetched.** ▼

Does not set an address-bar theme color

▲ **Failures: No manifest was fetched, No ` ▼**

▲ Content is not sized correctly for the viewport **The viewport size is 412px, whereas the window size is 1334px.** ▼

▲ Does not have a `<meta name="viewport">` tag with width or initial-scale **No viewport meta tag found** ▼

Contains some content when JavaScript is not available ▼

▲ Does not provide a valid apple-touch-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://shanz3.github.io/iOS-Health-UT-Testing/ass4/assignment4-color-shanzhong.html
Fetch time	Nov 5, 2019, 1:09 PM PST
Device	Emulated Nexus 5X
Network throttling	150 ms TCP RTT, 1,638.4 Kbps throughput (Simulated)
CPU throttling	4x slowdown (Simulated)
User agent (host)	Mozilla/5.0 (Macintosh; Intel Mac OS X 10_14_6) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/77.0.3865.120 Safari/537.36
User agent (network)	Mozilla/5.0 (Linux; Android 6.0.1; Nexus 5 Build/MRA58N) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/74.0.3694.0 Mobile Safari/537.36 Chrome-Lighthouse

CPU/Memory Power

1234

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