



**Best Practices**  **SEO PWA** 



## Performance

Values are estimated and may vary. The performance score is calculated directly from these metrics. See calculator.

0-49 50-89 90-100



**METRICS** Expand view

First Contentful Paint Largest Contentful Paint

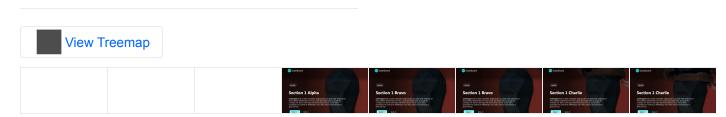
1.2 s  $0.7 \, s$ 

Total Blocking Time Cumulative Layout Shift

0.002 0 ms

Speed Index

1.6 s



Show audits relevant to: All <u>FCP LCP TBT CLS</u>

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▲ Eliminate render-blocking resources — Potential savings of 450 ms	~
▲ Reduce initial server response time — Root document took 1,470 ms	~
▲ Enable text compression — Potential savings of 128 KiB	~
▲ Minify CSS — Potential savings of 5 KiB	~
Image elements do not have explicit width and height	~
Minify JavaScript — Potential savings of 106 KiB	<b>~</b>
Serve images in next-gen formats — Potential savings of 270 KiB	~
Use video formats for animated content — Potential savings of 46,096 KiB	~
Serve static assets with an efficient cache policy — 14 resources found	~
Ensure text remains visible during webfont load	~
Properly size images — Potential savings of 690 KiB	~
Reduce unused CSS — Potential savings of 111 KiB	~
Reduce unused JavaScript — Potential savings of 32 KiB	~
Avoid enormous network payloads — Total size was 39,931 KiB	~
Largest Contentful Paint element — 1,220 ms	~
<ul> <li>Avoid large layout shifts — 2 layout shifts found</li> </ul>	~
<ul> <li>○ User Timing marks and measures — 1 user timing</li> </ul>	~
O Avoid non-composited animations — 1 animated element found	<b>~</b>
O Avoids an excessive DOM size — 90 elements	~
Avoid chaining critical requests — 6 chains found	<b>~</b>
○ JavaScript execution time − 0.0 s	~

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O Minimizes main-thread work − 0.2 s

O Minimize third-party usage − Third-party code blocked the main thread for 0 ms

Where information about the performance of your application. These numbers don't directly affect the Performance score.

PASSED AUDITS (16)



## Accessibility

These checks highlight opportunities to improve the accessibility of your web app. Automatic detection can only detect a subset of issues and does not guarantee the accessibility of your web app, so manual testing is also encouraged.

### NAMES AND LABELS

▲ Buttons do not have an accessible name

↓ Image elements do not have [alt] attributes

▲ Document doesn't have a <title> element

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.

#### TABLES AND LISTS



These are opportunities to improve the experience of reading tabular or list data using assistive technology, like a screen reader.

### ADDITIONAL ITEMS TO MANUALLY CHECK (10)

Show

These items address areas which an automated testing tool cannot cover. Learn more in our guide on <u>conducting an accessibility</u> <u>review</u>.

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PASSED AUDITS (8)	Show
NOT APPLICABLE (47)	Show



# **Best Practices**

## **USER EXPERIENCE**

▲ Displays images with incorrect aspect ratio	~
▲ Serves images with low resolution	~
GENERAL	
▲ Issues were logged in the Issues panel in Chrome Devtools	~
Detected JavaScript libraries	~
TRUST AND SAFETY	
Ensure CSP is effective against XSS attacks	~
PASSED AUDITS (11)	Show
NOT APPLICABLE (1)	Show

## **SEO**

These checks ensure that your page is following basic search engine optimization advice. There are many additional factors Lighthouse does not score here that may affect your search ranking, including performance on <a href="Core Web Vitals">Core Web Vitals</a>. Learn more about Google Search Essentials.

### CONTENT BEST PRACTICES

▲ Document doesn't have a <title> element&lt;/td&gt;&lt;td&gt;~&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;▲ Document does not have a meta description&lt;/td&gt;&lt;td&gt;~&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;▲ Image elements do not have [alt] attributes&lt;/td&gt;&lt;td&gt;~&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;Format your HTML in a way that enables crawlers to better understand your app's content.&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;ADDITIONAL ITEMS TO MANUALLY CHECK (1)&lt;/td&gt;&lt;td&gt;Show&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;Run these additional validators on your site to check additional SEO best practices.&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;PASSED AUDITS (8)&lt;/td&gt;&lt;td&gt;Show&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;NOT APPLICABLE (3)&lt;/td&gt;&lt;td&gt;Show&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;/tr&gt;&lt;/tbody&gt;&lt;/table&gt;</title>	

As per <u>Chrome's updated Installability Criteria</u>, Lighthouse will be deprecating the PWA category in a future release. Please refer to the <u>updated PWA documentation</u> for future PWA testing.



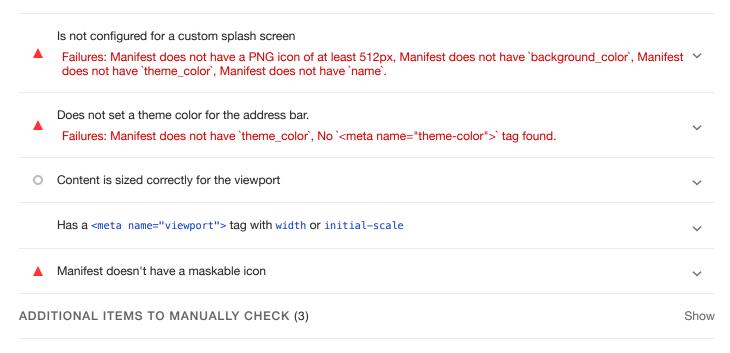
### $DM/\Delta$

These checks validate the aspects of a Progressive Web App. <u>Learn what</u> <u>makes a good Progressive Web App.</u>

## **INSTALLABLE**

▲ Web app manifest or service worker do not meet the installability requirements — 1 reason ✓

## **PWA OPTIMIZED**



These checks are required by the baseline <u>PWA Checklist</u> but are not automatically checked by Lighthouse. They do not affect your score but it's important that you verify them manually.



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