

https://juejin.cn/

















Performance Accessibility

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

First Contentful Paint

0.8 s

Speed Index

1.9 s

Largest Contentful Paint

2.5 s

Time to Interactive

2.5 s

Total Blocking Time

150 ms

Cumulative Layout Shift

0.012

























Show audits relevant to: All

FCP TBT LCP CLS

Expand view

OPPORTUNITIES

Opportunity Estimated Savings

Defer offscreen images 0.35 s ^

Consider lazy-loading offscreen and hidden images after all critical resources have finished loading to lower time to interactive. <u>Learn more</u>.

	URL	Resource Size	Potential Savings
img.qr-img	img/home.59780ae.png (lf3-cdn-tos.bytescm.com)	203.0 KiB	203.0 KiB
img	/tos-cn-i-k3u1fbpfcp/f18abd4~tplv-k3u1fbpfcp-zoom- 1.image (p1-juejin.byteimg.com)	88.1 KiB	88.1 KiB
img.banner- image	/tos-cn-i-k3u1fbpfcp/d6d4666~tplv-k3u1fbpfcp-no-mark:480awebp (p9-juejin.byteimg.com)	32.5 KiB	32.5 KiB
img.banner- image	/tos-cn-i-k3u1fbpfcp/d6d4666~tplv-k3u1fbpfcp-no-mark:480awebp (p9-juejin.byteimg.com)	32.5 KiB	32.5 KiB
img.qr	img/juejin-qr.b247fde.jpeg (lf3-cdn-tos.bytescm.com)	26.9 KiB	26.9 KiB
img	img/police.d0289dc.png (lf3-cdn-tos.bytescm.com)	18.8 KiB	18.8 KiB
img.banner- image	/tos-cn-i-k3u1fbpfcp/b12229c~tplv-k3u1fbpfcp-no-mark:480awebp (p6-juejin.byteimg.com)	12.4 KiB	12.4 KiB
img.banner- image	/tos-cn-i-k3u1fbpfcp/b12229c~tplv-k3u1fbpfcp-no-mark:480awebp (p6-juejin.byteimg.com)	12.4 KiB	12.4 KiB
img.icon	xitu_juejin_web/a0ef799svg (lf3-cdn-tos.bytescm.com)	8.2 KiB	8.2 KiB
img	img/lv-5.d08789d.png (lf3-cdn-tos.bytescm.com)	8.0 KiB	8.0 KiB
img	img/lv-6.b69935b.png (lf3-cdn-tos.bytescm.com)	8.0 KiB	8.0 KiB
img.icon	img/juejin-tutu.d58819c.png (lf3-cdn-tos.bytescm.com)	7.0 KiB	7.0 KiB
img.vip-img	xitu_juejin_web/2412719svg (lf3-cdn-tos.bytescm.com)	5.8 KiB	5.8 KiB
img.search- annual-img	/tos-cn-i-k3u1fbpfcp/a06289e~tplv-k3u1fbpfcp-image.image (p3-juejin.byteimg.com)	4.9 KiB	4.9 KiB

	URL	Resource Size	Potential Savings
img.icon	img/juejin-extension-icon.4b79fb4.png (lf3-cdn-tos.bytescm.com)	3.8 KiB	3.8 KiB
img.logo-img	xitu_juejin_web/e08da34svg (lf3-cdn-tos.bytescm.com)	3.2 KiB	3.2 KiB
img.mask	xitu_juejin_web/fef2eb8svg (lf3-cdn-tos.bytescm.com)	3.0 KiB	3.0 KiB
img.icon	img/juejin-miner.b78347c.png (lf3-cdn-tos.bytescm.com)	2.4 KiB	2.4 KiB

Serve images in next-gen formats

0.24 s ^

Image formats like WebP and AVIF often provide better compression than PNG or JPEG, which means faster downloads and less data consumption. <u>Learn more</u>.

	URL	Resource Size	Potential Savings
img.qr- img	img/home.59780ae.png (lf3-cdn-tos.bytescm.com)	203.0 KiB	180.8 KiB
img	/tos-cn-i-k3u1fbpfcp/f18abd4~tplv-k3u1fbpfcp-zoom-1.image (p1-juejin.byteimg.com)	88.1 KiB	75.2 KiB
img.qr	img/juejin-qr.b247fde.jpeg (lf3-cdn-tos.bytescm.com)	26.9 KiB	19.2 KiB
img	img/police.d0289dc.png (lf3-cdn-tos.bytescm.com)	18.8 KiB	18.3 KiB

Reduce unused JavaScript

0.2 s ^

Reduce unused JavaScript and defer loading scripts until they are required to decrease bytes consumed by network activity. <u>Learn more</u>. <u>LCP</u>

URL	Transfer Size	Potential Savings
xitu_juejin_web/5d6e39c.js (lf3-cdn-tos.bytescm.com)	261.8 KiB	179.5 KiB
xitu_juejin_web/e963ff4.js (lf3-cdn-tos.bytescm.com)	141.5 KiB	75.6 KiB
xitu_juejin_web/b4ff679.js (lf3-cdn-tos.bytescm.com)	79.6 KiB	30.5 KiB

Properly size images 0.16 s ^

Serve images that are appropriately-sized to save cellular data and improve load time. <u>Learn more</u>.

	URL	Resource Size	Potential Savings
img.lazy humb	/tos-cn-i-k3u1fbpfcp/5d2789c~tplv-k3u1fbpfcp-no-mark:720awebp (p3-juejin.byteimg.com)	25.9 KiB	25.1 KiB
img.banner-image	/tos-cn-i-k3u1fbpfcp/d6d4666~tplv-k3u1fbpfcp-no-mark:480awebp (p9-juejin.byteimg.com)	32.5 KiB	24.4 KiB
img.banner-image	/tos-cn-i-k3u1fbpfcp/d6d4666~tplv-k3u1fbpfcp-no-mark:480awebp (p9-juejin.byteimg.com)	32.5 KiB	18.8 KiB
img.lazy humb	/tos-cn-i-k3u1fbpfcp/05c38cb~tplv-k3u1fbpfcp-no-mark:720awebp (p9-juejin.byteimg.com)	17.8 KiB	17.3 KiB
img.banner-image	/tos-cn-i-k3u1fbpfcp/b12229c~tplv-k3u1fbpfcp-no-mark:480awebp (p6-juejin.byteimg.com)	12.4 KiB	9.3 KiB
img.banner-image	/tos-cn-i-k3u1fbpfcp/b12229c~tplv-k3u1fbpfcp-no-mark:480awebp (p6-juejin.byteimg.com)	12.4 KiB	7.2 KiB
程序员进 阶系列 (1) </img 	/tos-cn-i-k3u1fbpfcp/63e9e7a~tplv-k3u1fbpfcp-no-mark:240awebp (p9-juejin.byteimg.com)	9.3 KiB	7.0 KiB

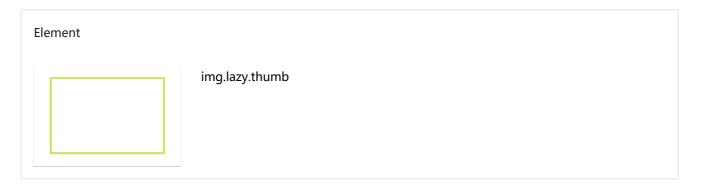
	URL	Resource Size	Potential Savings
img.lazy.t humb	/tos-cn-i-k3u1fbpfcp/8ff4d7f~tplv-k3u1fbpfcp-no-mark:240awebp (p9-juejin.byteimg.com)	6.6 KiB	4.3 KiB

These suggestions can help your page load faster. They don't directly affect the Performance score.

DIAGNOSTICS

Largest Contentful Paint image was lazily loaded

Above-the-fold images that are lazily loaded render later in the page lifecycle, which can delay the largest contentful paint. <u>Learn more</u>.



▲ Registers an unload listener

The `unload` event does not fire reliably and listening for it can prevent browser optimizations like the Back-Forward Cache. Use `pagehide` or `visibilitychange` events instead. <u>Learn more</u>

Source

5d6e39c.js:2

browser.cn.js:1

monitors.3.6.47.cn.js:1

monitors.3.6.47.cn.js:1

Avoid an excessive DOM size — 1,071 elements

A large DOM will increase memory usage, cause longer <u>style calculations</u>, and produce costly <u>layout reflows</u>. <u>Learn more</u>. (TBT)

Statistic	Element	Value
Total DOM Elements		1,071
	div	
Maximum DOM Depth		20
	div.entry-list.list	
Maximum Child Elements		22

Avoid chaining critical requests — 5 chains found

The Critical Request Chains below show you what resources are loaded with a high priority. Consider reducing the length of chains, reducing the download size of resources, or deferring the download of unnecessary resources to improve page load. <u>Learn more</u>. FCP <u>LCP</u>

Maximum critical path latency: 460 ms

Initial Navigation

https://juejin.cn

- ...css/ionicons.min.css (If3-cdn-tos.bytescm.com) 40 ms, 8.68 KiB
- ...iconfont/index.css (lf3-cdn-tos.bytescm.com) 40 ms, 0.86 KiB
- ...ionicons/iconfont.css (lf3-cdn-tos.bytescm.com) 40 ms, 3.71 KiB
- ...static/bytedesign.min.css (lf3-cdn-tos.bytescm.com) 70 ms, 31.74 KiB
- ...rc-web-sdk/acrawler.js (lf3-cdn-tos.bytescm.com) 140 ms, 20.59 KiB
- O Keep request counts low and transfer sizes small 109 requests 1,394 KiB

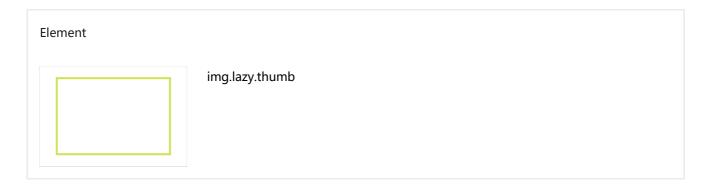
To set budgets for the quantity and size of page resources, add a budget.json file. Learn more.

Resource Type	Requests	Transfer Size
Total	109	1,394.2 KiB
Script	21	662.0 KiB

Resource Type	Requests	Transfer Size
Image	34	583.8 KiB
Stylesheet	14	94.6 KiB
Other	39	40.3 KiB
Document	1	13.6 KiB
Media	0	0.0 KiB
Font	0	0.0 KiB
Third-party	92	1,358.5 KiB

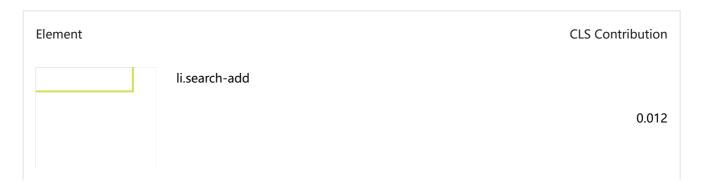
O Largest Contentful Paint element — 1 element found

This is the largest contentful element painted within the viewport. Learn More [LCP]



O Avoid large layout shifts — 5 elements found

These DOM elements contribute most to the CLS of the page. CLS





O Avoid long main-thread tasks — 4 long tasks found

Lists the longest tasks on the main thread, useful for identifying worst contributors to input delay. <u>Learn more</u> <u>TBT</u>

URL	Start Time	Duration
xitu_juejin_web/b58be40.js (lf3-cdn-tos.bytescm.com)	1,609 ms	168 ms
xitu_juejin_web/4050fa6.js (lf3-cdn-tos.bytescm.com)	2,009 ms	87 ms
xitu_juejin_web/4050fa6.js (lf3-cdn-tos.bytescm.com)	2,791 ms	84 ms
xitu_juejin_web/4050fa6.js (lf3-cdn-tos.bytescm.com)	2,694 ms	51 ms

O Avoid non-composited animations — 4 animated elements found

Animations which are not composited can be janky and increase CLS. <u>Learn more</u> <u>CLS</u>

Element	Name
div.xitu-skeleton > div.xitu-skeleton-item > div.xitu-skeleton-content > div.xitu-skeleton-line	
<pre><div class="xitu-skeleton-line" data-v-3ff8f708=""></div></pre>	
Unsupported CSS Properties: background-position-x, background-position-y	skeleton-keyframes-data-v- 3ff8f708
div.xitu-skeleton > div.xitu-skeleton-item > div.xitu-skeleton-content > div.xitu-skeleton-line	
<div class="xitu-skeleton-line" data-v-3ff8f708=""></div>	
Unsupported CSS Properties: background-position-x, background-position-y	skeleton-keyframes-data-v- 3ff8f708
div.xitu-skeleton > div.xitu-skeleton-item > div.xitu-skeleton-content > div.xitu-skeleton-line	
<div class="xitu-skeleton-line" data-v-3ff8f708=""></div>	
Unsupported CSS Properties: background-position-x, background-position-y	skeleton-keyframes-data-v- 3ff8f708
div.xitu-skeleton > div.xitu-skeleton-item > div.xitu-skeleton-content > div.xitu-skeleton-line	
<div class="xitu-skeleton-line" data-v-3ff8f708=""></div>	
Unsupported CSS Properties: background-position-x, background-position-y	skeleton-keyframes-data-v- 3ff8f708

More information about the performance of your application. These numbers don't <u>directly affect</u> the Performance score.

Eliminate render-blocking resources — Potential savings of 80 ms

Resources are blocking the first paint of your page. Consider delivering critical JS/CSS inline and deferring all non-critical JS/styles. Learn more. FCP LCP

URL

Transfer Size Savings

...css/ionicons.min.css (lf3-cdn-tos.bytescm.com)

8.7 KiB 230 ms

Minify CSS ^

Minify JavaScript Minifying JavaScript files can reduce payload sizes and script parse time. Learn more. (FCP) (LCP) Reduce unused CSS — Potential savings of 32 KiB Reduce unused rules from stylesheets and defer CSS not used for above-the-fold content to decrease bytes consumed by network activity. Learn more. FCP (LCP) Transfer Potential URL Size Savings ...static/bytedesign.min.css (lf3-cdn-tos.bytescm.com) 31.7 KiB 31.7 KiB Efficiently encode images — Potential savings of 5 KiB Optimized images load faster and consume less cellular data. Learn more. Resource Potential URL Size Savings ...img/juejin-qr.b247fde.jpeg (lf3-cdn-tos.bytescm.com) 26.9 KiB 4.8 KiB img.qr **Enable text compression** Text-based resources should be served with compression (gzip, deflate or brotli) to minimize total network bytes. Learn more. (FCP) (LCP) Preconnect to required origins Warnings: More than 2 `<link rel=preconnect>` connections were found. These should be used sparingly and only to the most important origins. Consider adding 'preconnect' or 'dns-prefetch' resource hints to establish early connections to important thirdparty origins. Learn more. FCP (LCP) Initial server response time was short — Root document took 300 ms Keep the server response time for the main document short because all other requests depend on it. Learn more. FCP LCP URL Time Spent

URL	Time Spent
https://juejin.cn	300 ms
Avoid multiple page redirects	^
Redirects introduce additional delays before the page can be loaded. <u>Learn more</u> . FCP LCP	
Preload key requests	^
Consider using ` <link rel="preload"/> ` to prioritize fetching resources that are currently requested Learn more. FCP LCP	later in page load.
Use HTTP/2	^
HTTP/2 offers many benefits over HTTP/1.1, including binary headers and multiplexing. <u>Learn m</u>	ore.
Use video formats for animated content	^
Large GIFs are inefficient for delivering animated content. Consider using MPEG4/WebM videos and PNG/WebP for static images instead of GIF to save network bytes. Learn more LCP	for animations
Remove duplicate modules in JavaScript bundles	^
Remove large, duplicate JavaScript modules from bundles to reduce unnecessary bytes consume activity. TBT	ed by network
Avoid serving legacy JavaScript to modern browsers — Potential savings of 11 KiB	^
Polyfills and transforms enable legacy browsers to use new JavaScript features. However, many a for modern browsers. For your bundled JavaScript, adopt a modern script deployment strategy to module/nomodule feature detection to reduce the amount of code shipped to modern browsers support for legacy browsers. Learn More TBT	using
Show 3rd-	party resources (7)
URL	Potential Savings
Preload Largest Contentful Paint image	^
Preload the image used by the LCP element in order to improve your LCP time. <u>Learn more</u> . <u>LCP</u>	
Avoids enormous network payloads — Total size was 1,394 KiB	^

Large network payloads cost users real money and are highly correlated with long load times. <u>Learn more</u>. <u>LCP</u>

URL	Transfer Size
xitu_juejin_web/5d6e39c.js (If3-cdn-tos.bytescm.com)	261.8 KiB
img/home.59780ae.png (lf3-cdn-tos.bytescm.com)	203.8 KiB
xitu_juejin_web/e963ff4.js (If3-cdn-tos.bytescm.com)	141.5 KiB
/tos-cn-i-k3u1fbpfcp/f18abd4~tplv-k3u1fbpfcp-zoom-1.image (p1-juejin.byteimg.com)	89.1 KiB
xitu_juejin_web/b4ff679.js (lf3-cdn-tos.bytescm.com)	79.6 KiB
/tos-cn-i-k3u1fbpfcp/d6d4666~tplv-k3u1fbpfcp-no-mark:480awebp (p9-juejin.byteimg.com)	33.3 KiB
/tos-cn-i-k3u1fbpfcp/d6d4666~tplv-k3u1fbpfcp-no-mark:480awebp (p9-juejin.byteimg.com)	33.3 KiB
plugins/sentry.3.6.47.cn.js (If3-cdn-tos.bytegoofy.com)	32.0 KiB
static/bytedesign.min.css (lf3-cdn-tos.bytescm.com)	31.7 KiB
img/juejin-qr.b247fde.jpeg (lf3-cdn-tos.bytescm.com)	27.5 KiB

Uses efficient cache policy on static assets — 4 resources found

A long cache lifetime can speed up repeat visits to your page. Learn more.

URL	Cache TTL	Transfer Size
v1/p?callback=_4146_166 (xxbg.snssdk.com)	None	1 KiB
v1/getInfo?q= (xxbg.snssdk.com)	None	1 KiB
/analytics.js (www.google-analytics.com)	2 h	20 KiB
rc-web-sdk/acrawler.js (If3-cdn-tos.bytescm.com)	30 d	21 KiB

User Timing marks and measures

Consider instrumenting your app with the User Timing API to measure your app's real-world performance during key user experiences. <u>Learn more</u>.

JavaScript execution time — 0.8 s

Consider reducing the time spent parsing, compiling, and executing JS. You may find delivering smaller JS payloads helps with this. <u>Learn more</u>. <u>TBT</u>

✓ Show 3rd-party resources (4)

URL	Total CPU Time	Script Evaluation	Script Parse
xitu_juejin_web/4050fa6.js (lf3-cdn-tos.bytescm.com)	461 ms	395 ms	0 ms
Unattributable	164 ms	27 ms	0 ms
sdk/browser.cn.js (If3-cdn-tos.bytegoofy.com)	139 ms	108 ms	1 ms
xitu_juejin_web/e963ff4.js (lf3-cdn-tos.bytescm.com)	134 ms	123 ms	8 ms
https://juejin.cn	95 ms	14 ms	9 ms
xitu_juejin_web/b4ff679.js (lf3-cdn-tos.bytescm.com)	76 ms	63 ms	3 ms

Minimizes main-thread work -1.2 s

Consider reducing the time spent parsing, compiling and executing JS. You may find delivering smaller JS payloads helps with this. <u>Learn more TBT</u>

Category	Time Spent
Script Evaluation	834 ms
Other	225 ms
Style & Layout	71 ms
Script Parsing & Compilation	39 ms
Rendering	27 ms
Parse HTML & CSS	27 ms
Garbage Collection	20 ms

All text remains visible during webfont loads

Leverage the font-display CSS feature to ensure text is user-visible while webfonts are loading. <u>Learn more</u>. <u>FCP</u>

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

Third-party code can significantly impact load performance. Limit the number of redundant third-party providers and try to load third-party code after your page has primarily finished loading. Learn more. TBT

Third-Party	Transfer Size	Main-Thread Blocking Time
Google Analytics	20 KiB	0 ms
/analytics.js (www.google-analytics.com)	20 KiB	0 ms

O Lazy load third-party resources with facades

Some third-party embeds can be lazy loaded. Consider replacing them with a facade until they are required. <u>Learn more</u>. [TBT]

Uses passive listeners to improve scrolling performance

Consider marking your touch and wheel event listeners as 'passive' to improve your page's scroll performance. Learn more.

Avoids document.write()

For users on slow connections, external scripts dynamically injected via `document.write()` can delay page load by tens of seconds. Learn more.

Image elements have explicit width and height

Set an explicit width and height on image elements to reduce layout shifts and improve CLS. Learn more CLS

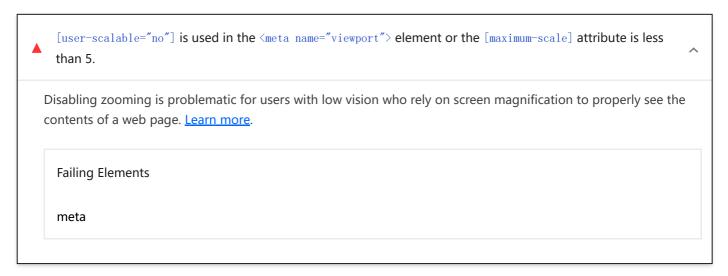
Has a <meta name="viewport"> tag with width or initial-scale

A `<meta name="viewport">` not only optimizes your app for mobile screen sizes, but also prevents <u>a 300</u> <u>millisecond delay to user input</u>. <u>Learn more</u>. <u>(TBT)</u>



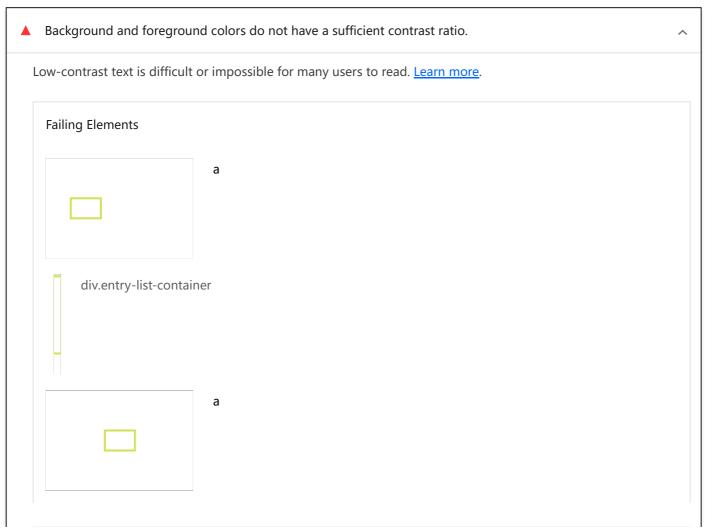
These checks highlight opportunities to <u>improve the accessibility of your web app</u>. Only a subset of accessibility issues can be automatically detected so manual testing is also encouraged.

BEST PRACTICES

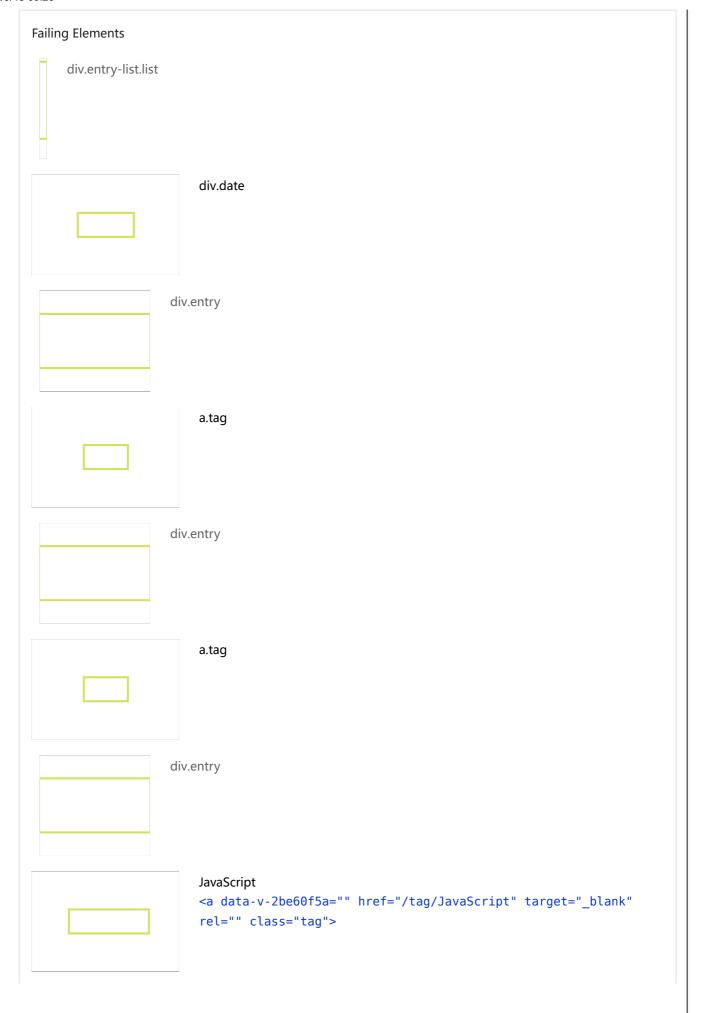


These items highlight common accessibility best practices.

CONTRAST



Failing Elements		
div.entry-list-container a		
div.entry-list-container		
div.date		
div.tag		
div.entry-list.list		
a.description		



Failing Elements	
	div.entry
	div
	div.entry
	div.date
	div.entry
	a.tag
	div.entry
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Failing Elements	
	div.entry
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Failing Elements	div.entry
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Failing Elements	
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	a.tag
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	后端
	

Failing Elements
div.entry
程序员 <a <="" data-v-2be60f5a="" href="/tag/%E7%A8%8B%E5%BA%8F%E5%91%98" td="">
target="_blank" rel="" class="tag">
div.entry
div
div.entry
div.date
div.entry
anv.crta y
a.tag

Failing Elements	
div.entry	
a.tag	
div.entry	
div	
uiv	
div.entry	
div.date	
div.entry	
a.tag	

Failing Elements
div.entry
a.tag
div.entry
面试 <a <="" data-v-2be60f5a="" href="/tag/%E9%9D%A2%E8%AF%95" td="">
target="_blank" rel="" class="tag">
div.entry
div
div.entry
div.date

Failing Elements
div.entry-list.list
a.description
div.entry-list.list
div.date
div.entry
a.tag
div.entry
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Failing Elements	
	div.entry
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	div.entry
	div.date
	div.entry
	div.enti y
	a.tag
	div.entry
	JavaScript
	<pre></pre>

Failing Elements	div.entry
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	a.tag
	div.entry
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Failing Elements	
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	div

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div.entry
前端
<pre></pre>
div.entry
aiv.entry
div

div.entry div.entry div.entry div.entry div.entry div.entry	Failing Elements	
a.tag div.entry div.entry		div.entry
a.tag div.entry div.entry		
a.tag div.entry		div.date
a.tag div.entry		
div.entry		div.entry
div.entry		
div		a.tag
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		div.entry
div.entry		div
div.entry		
		div.entry
div.date		div.date

Failing Elements	div.entry
	a.tag
	div.entry
	a.tag
	div.entry
	div
	div.entry
	div.date



东方小月 1月前 前端 Vue.js JavaScript 盘点Vue2和Vue3的10种组件通信方式(值得收藏) Vue中组件通信方式有很多,其中Vue2和 <div class="entry" data-draft-id="7133246022163267621" data-entry-id="7133250560441974798" data-original-type="0" data-v-2be60f5a="" data-v-2bf301c8="" data-v-5a9d6e8e="" style="margin-bottom: 0px;"></div>
<pre>Vue.js <a data-v-2be60f5a="" href="/tag/Vue.js" rel="' class=" tag"="" target="_blank"></pre>
东方小月 1月前 前端 Vue.js JavaScript 盘点Vue2和Vue3的10种组件通信方式(值得收藏) Vue中组件通信方式有很多,其中Vue2和 <div class="entry" data-draft-id="7133246022163267621" data-entry-id="7133250560441974798" data-original-type="0" data-v-2be60f5a="" data-v-2bf301c8="" data-v-5a9d6e8e="" style="margin-bottom: 0px;"></div>
Vue中组件通信方式有很多,其中Vue2和Vue3实现起来也会有很多差异;本文将通过选项式API`省合式API`以及`setup`三种不同实现方式全面介 <div data-v-2be60f5a=""></div>
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4天前 <div class="date" data-v-2be60f5a=""></div>
YaSol 4天前 Node.js Mac笔记本M1芯片安装Hashlips库npm报错问题 Mac笔记本M1芯片使用hashlips生成NFT时npm报错无 <div class="entry" data-draft-id="7142758068508426271" data-entry-id="7142760193028259853" data-original-type="0" data-v-2be60f5a="" data-v-2bf301c8="" data-v-5a9d6e8e="" style="margin-bottom: 0px;"></div>
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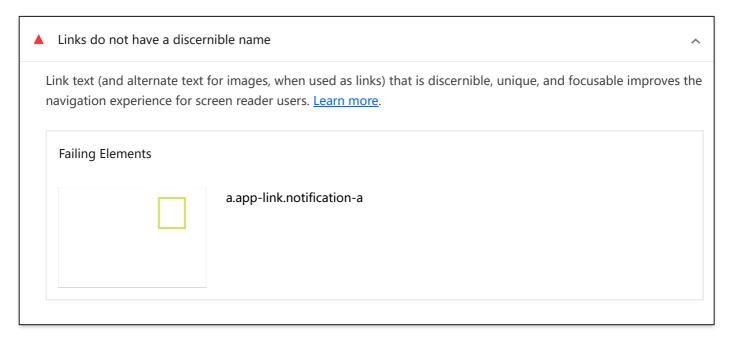
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Mac笔记本M1芯片使用hashlips生成NFT时npm报错无法安装canva问题解决办法和官方解决方案 <div data-v-2be60f5a=""></div>
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webpack分包 前言 一、多入口打包 二、提取公共模块 三、动态导入模块 四、魔法注释 前言 通过webpack实现前端项目整体模块化的优势固然很明显,但… <div data-v-2be60f5a=""></div>

Failing Elements	
	前端小菜鸡就是我 4天前 前端 JavaScript webpack分包 webpack分包 前言 一、多入口打包
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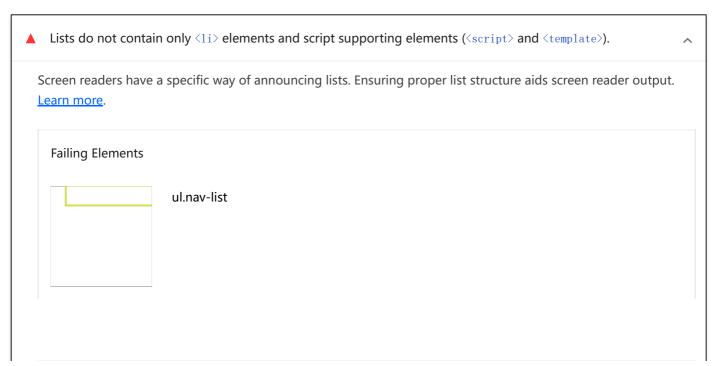
These are opportunities to improve the legibility of your content.

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.

TABLES AND LISTS



Failing Elements		
	ul.right-side-nav	
List items (<1i>) are n	ot contained within $\langle u1 \rangle$ or $\langle o1 \rangle$ parent elements.	
Screen readers require properly. <u>Learn more</u> .	list items (` `) to be contained within a parent `` or `` to be announced	
Failing Elements		
	li.item	
	li.item	
	li.item	
	li.item	
	li.item	

Failing Elements	
	li.item

Failing Elements	
	li.item
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Failing Elements	
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	二、提取公共模块 三、动态导入模块 四、魔
	<pre><li data-growing-<="" data-growing-container="true" data-v-2bf301c8="" pre=""></pre>
	title="entryList" class="item">

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)

Hide

O The page has a logical tab order	^
Tabbing through the page follows the visual layout. Users cannot focus elements that are offscreen. <u>Learn mor</u>	<u>°e</u> .
Interactive controls are keyboard focusable	^
Custom interactive controls are keyboard focusable and display a focus indicator. <u>Learn more</u> .	
Interactive elements indicate their purpose and state	^
Interactive elements, such as links and buttons, should indicate their state and be distinguishable from non-interactive elements. <u>Learn more</u> .	
The user's focus is directed to new content added to the page	^
If new content, such as a dialog, is added to the page, the user's focus is directed to it. <u>Learn more</u> .	
User focus is not accidentally trapped in a region	^
A user can tab into and out of any control or region without accidentally trapping their focus. <u>Learn more</u> .	
Custom controls have associated labels	^
Custom interactive controls have associated labels, provided by aria-label or aria-labelledby. <u>Learn more</u> .	
Custom controls have ARIA roles	^
Custom interactive controls have appropriate ARIA roles. <u>Learn more</u> .	
O Visual order on the page follows DOM order	^

DOM order matches the visual order, improving navigation for assistive technology. <u>Learn more</u> .	
Offscreen content is hidden from assistive technology	^
Offscreen content is hidden with display: none or aria-hidden=true. <u>Learn more</u> .	
HTML5 landmark elements are used to improve navigation	^
Landmark elements (<main>, <nav>, etc.) are used to improve the keyboard navigation of the page for assistive technology. <u>Learn more</u>.</nav></main>	ve

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

PASSED AUDITS (8) Hide [aria-hidden="true"] is not present on the document <body> Assistive technologies, like screen readers, work inconsistently when `aria-hidden="true"` is set on the document `<body>`. Learn more. [role]s have all required [aria-*] attributes Some ARIA roles have required attributes that describe the state of the element to screen readers. Learn more. [role] values are valid ARIA roles must have valid values in order to perform their intended accessibility functions. Learn more. Image elements have [alt] attributes Informative elements should aim for short, descriptive alternate text. Decorative elements can be ignored with an empty alt attribute. Learn more. The page contains a heading, skip link, or landmark region Adding ways to bypass repetitive content lets keyboard users navigate the page more efficiently. Learn more. Document has a <title> element The title gives screen reader users an overview of the page, and search engine users rely on it heavily to determine if a page is relevant to their search. Learn more.

<html> element has a [lang] attribute

If a page doesn't specify a lang attribute, a screen reader assumes that the page is in the default language that the
user chose when setting up the screen reader. If the page isn't actually in the default language, then the screen
reader might not announce the page's text correctly. <u>Learn more</u> .

<html> element has a valid value for its [lang] attribute

Specifying a valid <u>BCP 47 language</u> helps screen readers announce text properly. <u>Learn more</u>.

NOT APPLICABLE (31) Hide

O [accesskey] values are unique	^
Access keys let users quickly focus a part of the page. For proper navigation, each access key must be unique. <u>Learn more</u> .	
O [aria-*] attributes match their roles	^
Each ARIA `role` supports a specific subset of `aria-*` attributes. Mismatching these invalidates the `aria-*` attributes. <u>Learn more</u> .	
O button, link, and menuitem elements have accessible names	^
When an element doesn't have an accessible name, screen readers announce it with a generic name, making it unusable for users who rely on screen readers. <u>Learn more</u> .	t
O [aria-hidden="true"] elements do not contain focusable descendents	^
Focusable descendents within an `[aria-hidden="true"]` element prevent those interactive elements from being available to users of assistive technologies like screen readers. <u>Learn more</u> .	g
ARIA input fields have accessible names	^
When an input field doesn't have an accessible name, screen readers announce it with a generic name, making unusable for users who rely on screen readers. <u>Learn more</u> .	g it
ARIA meter elements have accessible names	^
When an element doesn't have an accessible name, screen readers announce it with a generic name, making it unusable for users who rely on screen readers. <u>Learn more</u> .	t
ARIA progressbar elements have accessible names	^
When a `progressbar` element doesn't have an accessible name, screen readers announce it with a generic name.	ne,

making it unusable for users who rely on screen readers. Learn more.

O Elements with an ARIA [role] that require children to contain a specific [role] have all required children.	^
Some ARIA parent roles must contain specific child roles to perform their intended accessibility functions. Le more.	<u>earn</u>
O [role]s are contained by their required parent element	^
Some ARIA child roles must be contained by specific parent roles to properly perform their intended accessi functions. <u>Learn more</u> .	bility
ARIA toggle fields have accessible names	^
When a toggle field doesn't have an accessible name, screen readers announce it with a generic name, maki unusable for users who rely on screen readers. <u>Learn more</u> .	ng it
O ARIA tooltip elements have accessible names	^
When an element doesn't have an accessible name, screen readers announce it with a generic name, making unusable for users who rely on screen readers. <u>Learn more</u> .	j it
O ARIA treeitem elements have accessible names	^
When an element doesn't have an accessible name, screen readers announce it with a generic name, making unusable for users who rely on screen readers. <u>Learn more</u> .	j it
O [aria-*] attributes have valid values	^
Assistive technologies, like screen readers, can't interpret ARIA attributes with invalid values. <u>Learn more</u> .	
O [aria-*] attributes are valid and not misspelled	^
Assistive technologies, like screen readers, can't interpret ARIA attributes with invalid names. <u>Learn more</u> .	
Buttons have an accessible name	^
When a button doesn't have an accessible name, screen readers announce it as "button", making it unusable users who rely on screen readers. <u>Learn more</u> .	e for
O <dl>'s contain only properly-ordered <dt> and <dd> groups, <script>, <template> or <div> elements.</td><td>^</td></tr><tr><td>When definition lists are not properly marked up, screen readers may produce confusing or inaccurate outputed the last of the</td><td>ut.</td></tr><tr><td>Definition list items are wrapped in <d1> elements</td><td>^</td></tr></tbody></table></script></dd></dt></dl>	

Definition list items (` <dt>` and `<dd>`) must be wrapped in a parent `<dl>` element to ensure that screen readers can properly announce them. <u>Learn more</u>.</dl></dd></dt>	
[id] attributes on active, focusable elements are unique	^
All focusable elements must have a unique `id` to ensure that they're visible to assistive technologies. Learn m	<u>iore</u> .
O ARIA IDs are unique	^
The value of an ARIA ID must be unique to prevent other instances from being overlooked by assistive technologies. <u>Learn more</u> .	
No form fields have multiple labels	^
Form fields with multiple labels can be confusingly announced by assistive technologies like screen readers where the first, the last, or all of the labels. <u>Learn more</u> .	hich
O <frame/> or <iframe> elements have a title</iframe>	^
Screen reader users rely on frame titles to describe the contents of frames. <u>Learn more</u> .	
Heading elements appear in a sequentially-descending order	^
Properly ordered headings that do not skip levels convey the semantic structure of the page, making it easier navigate and understand when using assistive technologies. <u>Learn more</u> .	to
O <input type="image"/> elements have [alt] text	^
When an image is being used as an ` <input/> ` button, providing alternative text can help screen reader users understand the purpose of the button. <u>Learn more</u> .	
O Form elements have associated labels	^
Labels ensure that form controls are announced properly by assistive technologies, like screen readers. <u>Learn more</u> .	
O The document does not use <meta http-equiv="refresh"/>	^
Users do not expect a page to refresh automatically, and doing so will move focus back to the top of the page. This may create a frustrating or confusing experience. <u>Learn more</u> .	<u>;</u> .
O <object> elements have [alt] text</object>	^
Screen readers cannot translate non-text content. Adding alt text to ` <object>` elements helps screen readers convey meaning to users. <u>Learn more</u>.</object>	;

O No element has a [tabindex] value greater than 0

A value greater than 0 implies an explicit navigation ordering. Although technically valid, this often creates frustrating experiences for users who rely on assistive technologies. <u>Learn more</u>.

• Cells in a element that use the [headers] attribute refer to table cells within the same table.

Screen readers have features to make navigating tables easier. Ensuring `` cells using the `[headers]` attribute only refer to other cells in the same table may improve the experience for screen reader users. <u>Learn more</u>.

• elements and elements with [role="columnheader"/"rowheader"] have data cells they describe.

Screen readers have features to make navigating tables easier. Ensuring table headers always refer to some set of cells may improve the experience for screen reader users. <u>Learn more</u>.

O [lang] attributes have a valid value

Specifying a valid <u>BCP 47 language</u> on elements helps ensure that text is pronounced correctly by a screen reader. <u>Learn more</u>.

When a video provides a caption it is easier for deaf and hearing impaired users to access its information. <u>Learn</u> <u>more</u>.



Best Practices

GENERAL

Issues were logged in the Issues panel in Chrome Devtools

Issues logged to the `Issues` panel in Chrome Devtools indicate unresolved problems. They can come from network request failures, insufficient security controls, and other browser concerns. Open up the Issues panel in Chrome DevTools for more details on each issue.

Issue type

SameSite cookie

Issue type /slardar/sdk_setting?bid=juejin_web (i.snssdk.com) Detected JavaScript libraries All front-end JavaScript libraries detected on the page. Learn more. Version Name Vue Nuxt.js core-js-global@2.6.12; core-js-pure@2.6.5; core-js-pure@2.6.12; core-js-global@3.17.2; core-jscore-js global@3.17.2 Missing source maps for large first-party JavaScript Source maps translate minified code to the original source code. This helps developers debug in production. In addition, Lighthouse is able to provide further insights. Consider deploying source maps to take advantage of these benefits. Learn more. ✓ Show 3rd-party resources (2) URL Map URL ...xitu_juejin_web/e963ff4.js (lf3-cdn-tos.bytescm.com) Large JavaScript file is missing a source map ...xitu_juejin_web/5d6e39c.js (lf3-cdn-tos.bytescm.com) Large JavaScript file is missing a source map

TRUST AND SAFETY

Ensure CSP is effective against XSS attacks

A strong Content Security Policy (CSP) significantly reduces the risk of cross-site scripting (XSS) attacks. Learn more

Description

Directive

Severity

Description	Directive	Severity
No CSP found in enforcement mode		High

PASSED AUDITS (11) Hide

Uses HTTPS	
All sites should be protected with HTTPS, even ones that don't handle sensitive data. This in content, where some resources are loaded over HTTP despite the initial request being serve prevents intruders from tampering with or passively listening in on the communications be your users, and is a prerequisite for HTTP/2 and many new web platform APIs. Learn more.	ed over HTTPS. HTTPS
Avoids requesting the geolocation permission on page load	
Users are mistrustful of or confused by sites that request their location without context. Co to a user action instead. <u>Learn more</u> .	nsider tying the reque
Avoids requesting the notification permission on page load	
Users are mistrustful of or confused by sites that request to send notifications without contrequest to user gestures instead. <u>Learn more</u> .	text. Consider tying th
Avoids front-end JavaScript libraries with known security vulnerabilities	
Some third-party scripts may contain known security vulnerabilities that are easily identifie attackers. <u>Learn more</u> .	d and exploited by
Allows users to paste into password fields	
Preventing password pasting undermines good security policy. <u>Learn more</u> .	
Displays images with correct aspect ratio	
Image display dimensions should match natural aspect ratio. <u>Learn more</u> .	
Serves images with appropriate resolution	
Image natural dimensions should be proportional to the display size and the pixel ratio to Learn more.	maximize image clarit
Page has the HTML doctype	

Specifying a doctype prevents the browser from switching to quirks-mode. <u>Learn more</u>.

Properly defines charset

A character encoding declaration is required. It can be done with a `<meta>` tag in the first 1024 bytes of the HTML or in the Content-Type HTTP response header. <u>Learn more</u>.

Avoids deprecated APIs

Deprecated APIs will eventually be removed from the browser. Learn more.

No browser errors logged to the console

Errors logged to the console indicate unresolved problems. They can come from network request failures and other browser concerns. <u>Learn more</u>

NOT APPLICABLE (1) Hide

Fonts with font-display: optional are preloaded

Preload 'optional' fonts so first-time visitors may use them. Learn more



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 Core Web Vitals. Learn more.

CRAWLING AND INDEXING

▲ Links are not crawlable

Search engines may use 'href' attributes on links to crawl websites. Ensure that the 'href' attribute of anchor elements links to an appropriate destination, so more pages of the site can be discovered. <u>Learn More</u>

Uncrawlable Link

а

To appear in search results, crawlers need access to your app. Hide ADDITIONAL ITEMS TO MANUALLY CHECK (1) Structured data is valid Run the Structured Data Testing Tool and the Structured Data Linter to validate structured data. Learn more. Run these additional validators on your site to check additional SEO best practices. PASSED AUDITS (11) Hide Has a <meta name="viewport"> tag with width or initial-scale A `<meta name="viewport">` not only optimizes your app for mobile screen sizes, but also prevents a 300 millisecond delay to user input. Learn more. (TBT) Document has a <title> element The title gives screen reader users an overview of the page, and search engine users rely on it heavily to determine if a page is relevant to their search. Learn more. Document has a meta description Meta descriptions may be included in search results to concisely summarize page content. Learn more. Page has successful HTTP status code Pages with unsuccessful HTTP status codes may not be indexed properly. Learn more. Links have descriptive text Descriptive link text helps search engines understand your content. Learn more. Page isn' t blocked from indexing Search engines are unable to include your pages in search results if they don't have permission to crawl them. Learn more. robots.txt is valid If your robots.txt file is malformed, crawlers may not be able to understand how you want your website to be crawled or indexed. Learn more.

Image elements have [alt] attributes

Informative elements should aim for short, descriptive alternate text. Decorative elements can be ignored with an empty alt attribute. <u>Learn more</u>.

Document has a valid hreflang

^

hreflang links tell search engines what version of a page they should list in search results for a given language or region. <u>Learn more</u>.

Document has a valid rel=canonical

^

Canonical links suggest which URL to show in search results. Learn more.

Document avoids plugins

^

Search engines can't index plugin content, and many devices restrict plugins or don't support them. Learn more.

NOT APPLICABLE (2)

Document uses legible font sizes



Font sizes less than 12px are too small to be legible and require mobile visitors to "pinch to zoom" in order to read. Strive to have >60% of page text $\ge 12px$. Learn more.

Tap targets are sized appropriately



Interactive elements like buttons and links should be large enough (48x48px), and have enough space around them, to be easy enough to tap without overlapping onto other elements. <u>Learn more</u>.



PWA

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

INSTALLABLE

▲ Web app manifest or service worker do not meet the installability requirements — 4 reasons

Service worker is the technology that enables your app to use many Progressive Web App features, such as offline, add to homescreen, and push notifications. With proper service worker and manifest implementations, browsers can proactively prompt users to add your app to their homescreen, which can lead to higher engagement. <u>Learn more</u>.

Failure reason

Manifest start URL is not valid

Manifest does not contain a 'name' or 'short name' field

No matching service worker detected. You may need to reload the page, or check that the scope of the service worker for the current page encloses the scope and start URL from the manifest.

Downloaded icon was empty or corrupted

PWA OPTIMIZED

▲ Does not register a service worker that controls page and start_url

The service worker is the technology that enables your app to use many Progressive Web App features, such as offline, add to homescreen, and push notifications. <u>Learn more</u>.

▲ Is not configured for a custom splash screen Failures: Manifest does not have `name`.

A themed splash screen ensures a high-quality experience when users launch your app from their homescreens. Learn more.

Sets a theme color for the address bar.

The browser address bar can be themed to match your site. Learn more.

Content is sized correctly for the viewport

If the width of your app's content doesn't match the width of the viewport, your app might not be optimized for mobile screens. <u>Learn more</u>.

Has a <meta name="viewport"> tag with width or initial-scale

A `<meta name="viewport">` not only optimizes your app for mobile screen sizes, but also prevents <u>a 300</u> <u>millisecond delay to user input</u>. <u>Learn more</u>. <u>TBT</u>

Provides a valid apple-touch-icon

For ideal appearance on iOS when users add a progressive web app to the home screen, define an `apple-touchicon`. It must point to a non-transparent 192px (or 180px) square PNG. <u>Learn More</u>.

▲ Manifest doesn't have a maskable icon

A maskable icon ensures that the image fills the entire shape without being letterboxed when installing the app on a device. <u>Learn more</u>.

ADDITIONAL ITEMS TO MANUALLY CHECK (3)

Hide

Site works cross-browser

^

To reach the most number of users, sites should work across every major browser. Learn more.

O Page transitions don't feel like they block on the network

^

Transitions should feel snappy as you tap around, even on a slow network. This experience is key to a user's perception of performance. <u>Learn more</u>.

O Each page has a URL

^

Ensure individual pages are deep linkable via URL and that URLs are unique for the purpose of shareability on social media. Learn more.

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.

Captured at Sep 18, 2022, 12:20 AM GMT+8 Initial page load Emulated Desktop with Lighthouse 9.2.0 Custom throttling Single page load

<u>Using Chromium</u> 99.0.4844.51 with devtools

Generated by Lighthouse 9.2.0 | File an issue