

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 0.8 s	Largest Contentful Paint 1.1 s
Total Blocking Time 40 ms	Cumulative Layout Shift 0.001

Speed Index

1.2 s

View Treemap

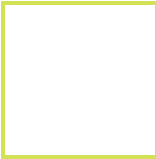



Show audits relevant to: All FCP LCP TBT CLS

DIAGNOSTICS

▲ Serve images in next-gen formats — Potential savings of 136 KiB

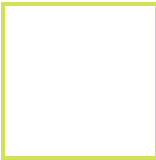
Image formats like WebP and AVIF often provide better compression than PNG or JPEG, which means faster downloads and less data consumption. [Learn more about modern image formats.](#)


URL	Resource Size	Potential Savings
netlify.app 1st Party	162.6 KiB	135.6 KiB
<div><div></div><div>img.profile-pic</div></div> <div>... images/Parvesh%20Mushraf%20K.jpg (parves hmushraf.netlify.app)</div>	123.7 KiB	108.8 KiB

URL		Resource Size	Potential Savings
	...images/DHL.jpg (parveshmushraf.netlify.app)	38.9 KiB	26.9 KiB
img.company-name			

▲ Properly size images — Potential savings of 136 KiB

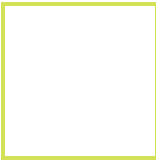
Serve images that are appropriately-sized to save cellular data and improve load time. [Learn how to size images.](#)


URL		Resource Size	Potential Savings
netlify.app 1st Party		162.6 KiB	136.5 KiB
	...images/Parvesh%20Mushraf%20K.jpg (parveshmushraf.netlify.app)	123.7 KiB	98.2 KiB
img.profile-pic			

URL		Resource Size	Potential Savings
	...images/DHL.jpg (parveshmushraf.netlify.app)	38.9 KiB	38.3 KiB
img.company-name			

▲ Efficiently encode images — Potential savings of 96 KiB

Optimized images load faster and consume less cellular data. [Learn how to efficiently encode images.](#)

URL		Resource Size	Potential Savings
netlify.app 1st Party		162.6 KiB	96.0 KiB
	... images/Parvesh%20Mushraf%20K.jpg (parvesh mushraf.netlify.app)	123.7 KiB	88.9 KiB
img.profile-pic			

URL	Resource Size	Potential Savings
 ...images/DHL.jpg (parveshmushraf.netlify.app)	38.9 KiB	7.1 KiB

img.company-name

Avoid serving legacy JavaScript to modern browsers — Potential savings of 49 KiB

Polyfills and transforms enable legacy browsers to use new JavaScript features. However, many aren't necessary for modern browsers. For your bundled JavaScript, adopt a modern script deployment strategy using module/nomodule feature detection to reduce the amount of code shipped to modern browsers, while retaining support for legacy browsers. [Learn how to use modern JavaScript](#) TBT

URL	Potential Savings
axe DevTools - Web Accessibility Testing Chrome Extension	49.1 KiB
chrome-extension://lhdoppojpmngadmndnejejpokejbdd/axe-versions/latest/axe.js	40.4 KiB
<div>axe.js:2</div> <div>axe.js:2</div> <div>axe.js:2</div> <div>axe.js:2</div>	<div>@babel/plugin-transform-classes</div> <div>Object.values</div> <div>Array.prototype.find</div> <div>Array.prototype.find</div> <div>Index</div>

URL

Potential Savings

axe.js:2

Array.prototype.some

axe.js:2

Array.from

chrome-extension://lhdoppojpmngadmnnindnejefpokejbdd/vendor.bundle.js

8.7 KiB

vendor.bundle.js:2

Object.entries

vendor.bundle.js:2

@babel/plugin-transform-classes

vendor.bundle.js:2

Object.keys

Reduce unused JavaScript — Potential savings of 450 KiB

^

Reduce unused JavaScript and defer loading scripts until they are required to decrease bytes consumed by network activity.

[Learn how to reduce unused JavaScript.](#)

LCP

URL

Transfer Size

Potential Savings

axe DevTools - Web Accessibility Testing

Chrome Extension

757.6 KiB

450.3 KiB

chrome-extension://lhdoppojpmngadmnnindnejefpokejbdd/axe-versions/latest/axe.js

570.8 KiB

301.7 KiB

chrome-extension://lhdoppojpmngadmnnindnejefpokejbdd/vendor.bundle.js

104.3 KiB

92.7 KiB

chrome-extension://lhdoppojpmngadmnnindnejefpokejbdd/content.bundle.js

82.5 KiB

55.8 KiB

○

Initial server response time was short — Root document took 440 ms

^

Keep the server response time for the main document short because all other requests depend on it. [Learn more about the Time to First Byte metric.](#) FCP LCP


URL	Time Spent
netlify.app 1st Party	440 ms
https://parveshmushraf.netlify.app	440 ms

Avoid large layout shifts

— 1 layout shift found

^

These are the largest layout shifts observed on the page. Each table item represents a single layout shift, and shows the element that shifted the most. Below each item are possible root causes that led to the layout shift. Some of these layout shifts may not be included in the CLS metric value due to [windowing](#). [Learn how to improve CLS](#) CLS

Element	Layout shift score
<div><div>h1</div><div></div></div>	0.001
<div><div>...v19/QGYsz_wNa....woff2 (fonts.gstatic.com)</div><div>Web font loaded</div></div>	
<div><div>/css2?family=... (fonts.googleapis.com)</div><div>A late network request adjusted the page layout</div></div>	
<div><div>...css/main-minified.css (parveshmushraf.netlify.app)</div><div>A late network request adjusted the page layout</div></div>	

Minimizes main-thread work

— 0.5 s

^

Consider reducing the time spent parsing, compiling and executing JS. You may find delivering smaller JS payloads helps

with this. [Learn how to minimize main-thread work](#) TBT

Category	Time Spent
Other	204 ms
Script Parsing & Compilation	111 ms
Script Evaluation	103 ms
Style & Layout	39 ms
Parse HTML & CSS	28 ms
Rendering	3 ms

☐ Avoid long main-thread tasks — 3 long tasks found



Lists the longest tasks on the main thread, useful for identifying worst contributors to input delay. [Learn how to avoid long main-thread tasks](#) TBT

☒ Show 3rd-party resources (1)

URL	Start Time	Duration
netlify.app 1st Party		168 ms
https://parveshmushraf.netlify.app	553 ms	168 ms
Unattributable		99 ms
Unattributable	831 ms	99 ms

URL	Start Time	Duration
axe DevTools - Web Accessibility Testing Chrome Extension		52 ms
chrome-extension://lhdoppojpmngadmndnejejpokejbdd/axe-versions/latest/axe.js	721 ms	52 ms

Avoids enormous network payloads — Total size was 219 KiB

Large network payloads cost users real money and are highly correlated with long load times. [Learn how to reduce payload sizes.](#) LCP

Show 3rd-party resources (2)

URL	Transfer Size
netlify.app 1st Party	168.5 KiB
...images/Parvesh%20Mushraf%20K.jpg (parveshmushraf.netlify.app)	124.1 KiB
...images/DHL.jpg (parveshmushraf.netlify.app)	39.0 KiB
https://parveshmushraf.netlify.app	3.3 KiB
...images/ConnectCard-lcon.png (parveshmushraf.netlify.app)	1.3 KiB
...css/main-minified.css (parveshmushraf.netlify.app)	0.8 KiB
Google Fonts Cdn	50.1 KiB
...v19/QGYsz_wNa....woff2 (fonts.gstatic.com)	49.5 KiB

URL

Transfer Size

/css2?family=... (fonts.googleapis.com)	0.6 KiB
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Avoids an excessive DOM size — 83 elements

A large DOM will increase memory usage, cause longer [style calculations](#), and produce costly [layout reflows](#). [Learn how to avoid an excessive DOM size.](#) TBT

Statistic	Element	Value
Total DOM Elements		83
Maximum DOM Depth	stop	8
Maximum Child Elements	<div><div></div><div>svg</div></div>	41

Avoid chaining critical requests — 1 chain 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. [Learn how to avoid chaining critical requests.](#) FCP LCP

Maximum critical path latency: **1,338.87 ms**

Initial Navigation

https://parveshmushraf.netlify.app

...css/main-minified.css (parveshmushraf.netlify.app)

/css2?family=... (fonts.googleapis.com)

...v19/QGYsz_wNa....woff2 (fonts.gstatic.com) - **51.966 ms, 49.52 KiB**

JavaScript execution time — 0.2 s

Consider reducing the time spent parsing, compiling, and executing JS. You may find delivering smaller JS payloads helps with this. [Learn how to reduce Javascript execution time.](#) TBT

☒ Show 3rd-party resources (1)

URL	Total CPU Time	Script Evaluation	Script Parse
netlify.app 1st Party	224 ms	76 ms	71 ms
https://parveshmushraf.netlify.app	224 ms	76 ms	71 ms
Unattributable	201 ms	25 ms	0 ms
Unattributable	201 ms	25 ms	0 ms
axe DevTools - Web Accessibility Testing Chrome Extension	52 ms	0 ms	38 ms
chrome-extension://lhdoppojpmngadmndnejefpokejbdd/axe-versions/latest/axe.js	52 ms	0 ms	38 ms

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 how to minimize third-party impact.](#) TBT

about:blank

11/38

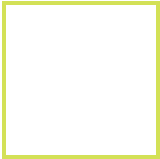
Third-Party	Transfer Size	Main-Thread Blocking Time
axe DevTools - Web Accessibility Testing Chrome Extension	593 KiB	0 ms
chrome-extension://lhdoppojpmngadmndnejefpokejbdd/axe-versions/latest/axe.js	571 KiB	0 ms
chrome-extension://lhdoppojpmngadmndnejefpokejbdd/highlighter.js	22 KiB	0 ms
Google Fonts Cdn	50 KiB	0 ms
...v19/QGYsz_wNa....woff2 (fonts.gstatic.com)	50 KiB	0 ms
/css2?family=... (fonts.googleapis.com)	1 KiB	0 ms

Largest Contentful Paint element — 1,120 ms

This is the largest contentful element painted within the viewport. [Learn more about the Largest Contentful Paint element](#)

LCP

Element

img.profile-pic

Phase	% of LCP	Timing
TTFB	69%	770 ms
Load Delay	0%	0 ms

Phase	% of LCP	Timing
Load Time	22%	240 ms
Render Delay	9%	110 ms

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

PASSED AUDITS (24)

Hide

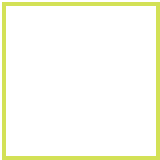
Eliminate render-blocking resources	^
Resources are blocking the first paint of your page. Consider delivering critical JS/CSS inline and deferring all non-critical JS/styles. Learn how to eliminate render-blocking resources. FCP LCP	
Defer offscreen images	^
Consider lazy-loading offscreen and hidden images after all critical resources have finished loading to lower time to interactive. Learn how to defer offscreen images.	
Minify CSS	^
Minifying CSS files can reduce network payload sizes. Learn how to minify CSS. FCP LCP	
Minify JavaScript	^
Minifying JavaScript files can reduce payload sizes and script parse time. Learn how to minify JavaScript. FCP LCP	
Reduce unused CSS	^

Reduce unused rules from stylesheets and defer CSS not used for above-the-fold content to decrease bytes consumed by network activity. Learn how to reduce unused CSS. FCP LCP	
Enable text compression	^
Text-based resources should be served with compression (gzip, deflate or brotli) to minimize total network bytes. Learn more about text compression. FCP LCP	
Preconnect to required origins	^
Consider adding preconnect or dns-prefetch resource hints to establish early connections to important third-party origins. Learn how to preconnect to required origins. FCP LCP	
Avoid multiple page redirects	^
Redirects introduce additional delays before the page can be loaded. Learn how to avoid page redirects. FCP LCP	
<input type="radio"/> Preload key requests	^
Consider using <link rel=preload> to prioritize fetching resources that are currently requested later in page load. Learn how to preload key requests. FCP LCP	
Use HTTP/2	^
HTTP/2 offers many benefits over HTTP/1.1, including binary headers and multiplexing. Learn more about HTTP/2.	
Use video formats for animated content	^
Large GIFs are inefficient for delivering animated content. Consider using MPEG4/WebM videos for animations and PNG/WebP for static images instead of GIF to save network bytes. Learn more about efficient video formats LCP	

Remove duplicate modules in JavaScript bundles	^
Remove large, duplicate JavaScript modules from bundles to reduce unnecessary bytes consumed by network activity. TBT	
Preload Largest Contentful Paint image	^
If the LCP element is dynamically added to the page, you should preload the image in order to improve LCP. Learn more about preloading LCP elements. LCP	
Uses efficient cache policy on static assets — 0 resources found	^
A long cache lifetime can speed up repeat visits to your page. Learn more about efficient cache policies.	
<input type="radio"/> 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. Learn more about User Timing marks.	
All text remains visible during webfont loads	^
Leverage the font-display CSS feature to ensure text is user-visible while webfonts are loading. Learn more about font-display. FCP LCP	
<input type="radio"/> 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. Learn how to defer third-parties with a facade. TBT	
Largest Contentful Paint image was not lazily loaded	^

Above-the-fold images that are lazily loaded render later in the page lifecycle, which can delay the largest contentful paint. [Learn more about optimal lazy loading.](#) LCP

Element



img.profile-pic

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 about adopting passive event listeners.](#)

Avoids `document.write()`

For users on slow connections, external scripts dynamically injected via `document.write()` can delay page load by tens of seconds. [Learn how to avoid document.write\(\)](#).

☐

Avoid non-composited animations

Animations which are not composited can be janky and increase CLS. [Learn how to avoid non-composited animations](#) CLS

Image elements have explicit `width` and `height`

Set an explicit width and height on image elements to reduce layout shifts and improve CLS. [Learn how to set image dimensions](#) CLS

Has a <code><meta name="viewport"></code> tag with <code>width</code> or <code>initial-scale</code>	^
A <code><meta name="viewport"></code> not only optimizes your app for mobile screen sizes, but also prevents a 300 millisecond delay to user input . Learn more about using the viewport meta tag . TBT	
Page didn't prevent back/forward cache restoration	^
Many navigations are performed by going back to a previous page, or forwards again. The back/forward cache (bfcache) can speed up these return navigations. Learn more about the bfcache	



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.

ADDITIONAL ITEMS TO MANUALLY CHECK (10)

Hide

<input type="radio"/> Interactive controls are keyboard focusable	^
Custom interactive controls are keyboard focusable and display a focus indicator. Learn how to make custom controls focusable .	
<input type="radio"/> 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. Learn how to decorate interactive elements with affordance hints.	
<input type="radio"/> The page has a logical tab order	^
Tabbing through the page follows the visual layout. Users cannot focus elements that are offscreen. Learn more about logical tab ordering.	
<input type="radio"/> Visual order on the page follows DOM order	^
DOM order matches the visual order, improving navigation for assistive technology. Learn more about DOM and visual ordering.	
<input type="radio"/> 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. Learn how to avoid focus traps.	
<input type="radio"/> 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. Learn how to direct focus to new content.	
<input type="radio"/> 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. Learn more about landmark elements.	
<input type="radio"/> Offscreen content is hidden from assistive technology	^
Offscreen content is hidden with display: none or aria-hidden=true. Learn how to properly hide offscreen content.	

<div><div><div></div></div><div>Custom controls have associated labels</div><div></div></div>	^
Custom interactive controls have associated labels, provided by aria-label or aria-labelledby. Learn more about custom controls and labels.	
<div><div><div></div></div><div>Custom controls have ARIA roles</div><div></div></div>	^
Custom interactive controls have appropriate ARIA roles. Learn how to add roles to custom controls.	

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

PASSED AUDITS (15)

Hide

<div><div><div></div></div><div>[aria-*] attributes match their roles</div><div></div></div>	^
Each ARIA role supports a specific subset of aria-* attributes. Mismatching these invalidates the aria-* attributes. Learn how to match ARIA attributes to their roles.	
<div><div><div></div></div><div>[aria-hidden="true"] is not present on the document <body></div><div></div></div>	^
Assistive technologies, like screen readers, work inconsistently when aria-hidden="true" is set on the document <body>. Learn how aria-hidden affects the document body.	
<div><div><div></div></div><div>[aria-*] attributes have valid values</div><div></div></div>	^
Assistive technologies, like screen readers, can't interpret ARIA attributes with invalid values. Learn more about valid values for ARIA attributes.	
<div><div><div></div></div><div>[aria-*] attributes are valid and not misspelled</div><div></div></div>	^

Assistive technologies, like screen readers, can't interpret ARIA attributes with invalid names. Learn more about valid ARIA attributes .	
Buttons have an accessible name	^
When a button doesn't have an accessible name, screen readers announce it as "button", making it unusable for users who rely on screen readers. Learn how to make buttons more accessible .	
Image elements have <code>[alt]</code> attributes	^
Informative elements should aim for short, descriptive alternate text. Decorative elements can be ignored with an empty alt attribute. Learn more about the alt attribute .	
<code>[user-scalable="no"]</code> is not used in the <code><meta name="viewport"></code> element and the <code>[maximum-scale]</code> attribute is not less than 5.	^
Disabling zooming is problematic for users with low vision who rely on screen magnification to properly see the contents of a web page. Learn more about the viewport meta tag .	
Background and foreground colors have a sufficient contrast ratio	^
Low-contrast text is difficult or impossible for many users to read. Learn how to provide sufficient color contrast .	
Document has a <code><title></code> 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 about document titles .	
<code><html></code> element has a <code>[lang]</code> 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. Learn more about the lang attribute.	
<html> element has a valid value for its [lang] attribute	^
Specifying a valid BCP 47 language helps screen readers announce text properly. Learn how to use the lang attribute.	
Links are distinguishable without relying on color.	^
Low-contrast text is difficult or impossible for many users to read. Link text that is discernible improves the experience for users with low vision. Learn how to make links distinguishable.	
Links have a discernible name	^
Link text (and alternate text for images, when used as links) that is discernible, unique, and focusable improves the navigation experience for screen reader users. Learn how to make links accessible.	
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 to navigate and understand when using assistive technologies. Learn more about heading order.	
Image elements do not have [alt] attributes that are redundant text.	^
Informative elements should aim for short, descriptive alternative text. Alternative text that is exactly the same as the text adjacent to the link or image is potentially confusing for screen reader users, because the text will be read twice. Learn more about the alt attribute.	

NOT APPLICABLE (46)

Hide

<input type="radio"/> [accesskey] values are unique	^

Access keys let users quickly focus a part of the page. For proper navigation, each access key must be unique. Learn more about access keys.	
<div><div><div><div><div><div></div></div></div><div>Values assigned to <code>role=""</code> are valid ARIA roles.</div></div></div><div></div></div>	^
ARIA roles enable assistive technologies to know the role of each element on the web page. If the role values are misspelled, not existing ARIA role values, or abstract roles, then the purpose of the element will not be communicated to users of assistive technologies. Learn more about ARIA roles.	
<div><div><div><div><div><div></div></div></div><div><code>button</code>, <code>link</code>, and <code>menuitem</code> elements have accessible names</div></div></div><div></div></div>	^
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. Learn how to make command elements more accessible.	
<div><div><div><div><div><div></div></div></div><div>Elements with <code>role="dialog"</code> or <code>role="alertdialog"</code> have accessible names.</div></div></div><div></div></div>	^
ARIA dialog elements without accessible names may prevent screen readers users from discerning the purpose of these elements. Learn how to make ARIA dialog elements more accessible.	
<div><div><div><div><div><div></div></div></div><div><code>[aria-hidden="true"]</code> elements do not contain focusable descendents</div></div></div><div></div></div>	^
Focusable descendents within an <code>[aria-hidden="true"]</code> element prevent those interactive elements from being available to users of assistive technologies like screen readers. Learn how aria-hidden affects focusable elements.	
<div><div><div><div><div><div></div></div></div><div>ARIA input fields have accessible names</div></div></div><div></div></div>	^
When an input field doesn't have an accessible name, screen readers announce it with a generic name, making it unusable for users who rely on screen readers. Learn more about input field labels.	
<div><div><div><div><div><div></div></div></div><div>ARIA <code>meter</code> elements have accessible names</div></div></div><div></div></div>	^

When a meter 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. Learn how to name meter elements.	
<input type="radio"/> ARIA <code>progressbar</code> elements have accessible names	^
When a progressbar 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. Learn how to label progressbar elements.	
<input type="radio"/> <code>[role]</code> s have all required <code>[aria-*)</code> attributes	^
Some ARIA roles have required attributes that describe the state of the element to screen readers. Learn more about roles and required attributes.	
<input type="radio"/> Elements with an ARIA <code>[role]</code> that require children to contain a specific <code>[role]</code> have all required children.	^
Some ARIA parent roles must contain specific child roles to perform their intended accessibility functions. Learn more about roles and required children elements.	
<input type="radio"/> <code>[role]</code> s are contained by their required parent element	^
Some ARIA child roles must be contained by specific parent roles to properly perform their intended accessibility functions. Learn more about ARIA roles and required parent element.	
<input type="radio"/> <code>[role]</code> values are valid	^
ARIA roles must have valid values in order to perform their intended accessibility functions. Learn more about valid ARIA roles.	
<input type="radio"/> Elements with the <code>role=text</code> attribute do not have focusable descendents.	^
Adding <code>role=text</code> around a text node split by markup enables VoiceOver to treat it as one phrase, but the element's	

focusable descendents will not be announced. Learn more about the role=text attribute.	
<input type="radio"/> ARIA toggle fields have accessible names	^
When a toggle field doesn't have an accessible name, screen readers announce it with a generic name, making it unusable for users who rely on screen readers. Learn more about toggle fields.	
<input type="radio"/> ARIA <code>tooltip</code> elements have accessible names	^
When a tooltip 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. Learn how to name tooltip elements.	
<input type="radio"/> ARIA <code>treeitem</code> elements have accessible names	^
When a <code>treeitem</code> 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. Learn more about labeling treeitem elements.	
<input type="radio"/> 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 about bypass blocks.	
<input type="radio"/> <code><d1></code> 's contain only properly-ordered <code><dt></code> and <code><dd></code> groups, <code><script></code> , <code><template></code> or <code><div></code> elements.	^
When definition lists are not properly marked up, screen readers may produce confusing or inaccurate output. Learn how to structure definition lists correctly.	
<input type="radio"/> Definition list items are wrapped in <code><d1></code> elements	^
Definition list items (<code><dt></code> and <code><dd></code>) must be wrapped in a parent <code><d1></code> element to ensure that screen readers can properly announce them. Learn how to structure definition lists correctly.	

<div><div><div><div><div><div></div><div>[id] attributes on active, focusable elements are unique</div><div>^</div></div></div></div></div></div>
<div><div>All focusable elements must have a unique id to ensure that they're visible to assistive technologies. Learn how to fix duplicate ids.</div></div>
<div><div><div><div><div><div></div><div>ARIA IDs are unique</div><div>^</div></div></div></div></div></div>
<div><div>The value of an ARIA ID must be unique to prevent other instances from being overlooked by assistive technologies. Learn how to fix duplicate ARIA IDs.</div></div>
<div><div><div><div><div><div></div><div>No form fields have multiple labels</div><div>^</div></div></div></div></div></div>
<div><div>Form fields with multiple labels can be confusingly announced by assistive technologies like screen readers which use either the first, the last, or all of the labels. Learn how to use form labels.</div></div>
<div><div><div><div><div><div></div><div><frame> or <iframe> elements have a title</div><div>^</div></div></div></div></div></div>
<div><div>Screen reader users rely on frame titles to describe the contents of frames. Learn more about frame titles.</div></div>
<div><div><div><div><div><div></div><div><html> element has an [xml:lang] attribute with the same base language as the [lang] attribute.</div><div>^</div></div></div></div></div></div>
<div><div>If the webpage does not specify a consistent language, then the screen reader might not announce the page's text correctly. Learn more about the lang attribute.</div></div>
<div><div><div><div><div><div></div><div>Input buttons have discernible text.</div><div>^</div></div></div></div></div></div>
<div><div>Adding discernable and accessible text to input buttons may help screen reader users understand the purpose of the input button. Learn more about input buttons.</div></div>
<div><div><div><div><div><div></div><div><input type="image"> elements have [alt] text</div><div>^</div></div></div></div></div></div>

When an image is being used as an <code><input></code> button, providing alternative text can help screen reader users understand the purpose of the button. Learn about input image alt text.	
<input type="radio"/> Form elements have associated labels	^
Labels ensure that form controls are announced properly by assistive technologies, like screen readers. Learn more about form element labels.	
<input type="radio"/> Lists contain only <code></code> elements and script supporting elements (<code><script></code> and <code><template></code>).	^
Screen readers have a specific way of announcing lists. Ensuring proper list structure aids screen reader output. Learn more about proper list structure.	
<input type="radio"/> List items (<code></code>) are contained within <code></code> , <code></code> or <code><menu></code> parent elements	^
Screen readers require list items (<code></code>) to be contained within a parent <code></code> , <code></code> or <code><menu></code> to be announced properly. Learn more about proper list structure.	
<input type="radio"/> The document does not use <code><meta http-equiv="refresh"></code>	^
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. Learn more about the refresh meta tag.	
<input type="radio"/> <code><object></code> elements have alternate text	^
Screen readers cannot translate non-text content. Adding alternate text to <code><object></code> elements helps screen readers convey meaning to users. Learn more about alt text for object elements.	
<input type="radio"/> Select elements have associated label elements.	^
Form elements without effective labels can create frustrating experiences for screen reader users. Learn more about the	

select element.	
<div><div><div></div></div><div>Skip links are focusable.</div><div></div></div>	^
Including a skip link can help users skip to the main content to save time. Learn more about skip links.	
<div><div><div></div></div><div>No element has a <code>[tabindex]</code> value greater than 0</div><div></div></div>	^
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. Learn more about the <code>tabindex</code> attribute.	
<div><div><div></div></div><div>Tables have different content in the summary attribute and <code><caption></code>.</div><div></div></div>	^
The summary attribute should describe the table structure, while <code><caption></code> should have the onscreen title. Accurate table mark-up helps users of screen readers. Learn more about summary and caption.	
<div><div><div></div></div><div>Cells in a <code><table></code> element that use the <code>[headers]</code> attribute refer to table cells within the same table.</div><div></div></div>	^
Screen readers have features to make navigating tables easier. Ensuring <code><td></code> cells using the <code>[headers]</code> attribute only refer to other cells in the same table may improve the experience for screen reader users. Learn more about the <code>headers</code> attribute.	
<div><div><div></div></div><div><code><th></code> elements and elements with <code>[role="columnheader"/"rowheader"]</code> have data cells they describe.</div><div></div></div>	^
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. Learn more about table headers.	
<div><div><div></div></div><div><code>[lang]</code> attributes have a valid value</div><div></div></div>	^
Specifying a valid BCP 47 language on elements helps ensure that text is pronounced correctly by a screen reader. Learn how to use the <code>lang</code> attribute.	

<div><div><div><div><div><div></div><div><video> elements contain a <track> element with [kind="captions"]</div><div></div></div></div><div></div></div></div></div>	^
<div><div><div><div></div><div>When a video provides a caption it is easier for deaf and hearing impaired users to access its information. Learn more about video captions.</div><div></div></div></div></div>	
<div><div><div><div><div><div></div><div>All heading elements contain content.</div><div></div></div></div><div></div></div></div></div>	^
<div><div><div><div></div><div>A heading with no content or inaccessible text prevent screen reader users from accessing information on the page's structure. Learn more about headings.</div><div></div></div></div></div>	
<div><div><div><div><div><div></div><div>Identical links have the same purpose.</div><div></div></div></div><div></div></div></div></div>	^
<div><div><div><div></div><div>Links with the same destination should have the same description, to help users understand the link's purpose and decide whether to follow it. Learn more about identical links.</div><div></div></div></div></div>	
<div><div><div><div><div><div></div><div>Document has a main landmark.</div><div></div></div></div><div></div></div></div></div>	^
<div><div><div><div></div><div>One main landmark helps screen reader users navigate a web page. Learn more about landmarks.</div><div></div></div></div></div>	
<div><div><div><div><div><div></div><div>Touch targets have sufficient size and spacing.</div><div></div></div></div><div></div></div></div></div>	^
<div><div><div><div></div><div>Touch targets with sufficient size and spacing help users who may have difficulty targeting small controls to activate the targets. Learn more about touch targets.</div><div></div></div></div></div>	
<div><div><div><div><div><div></div><div>Elements with visible text labels have matching accessible names.</div><div></div></div></div><div></div></div></div></div>	^
<div><div><div><div></div><div>Visible text labels that do not match the accessible name can result in a confusing experience for screen reader users. Learn more about accessible names.</div><div></div></div></div></div>	
<div><div><div><div><div><div></div><div>Tables use <caption> instead of cells with the [colspan] attribute to indicate a caption.</div><div></div></div></div><div></div></div></div></div>	^

Screen readers have features to make navigating tables easier. Ensuring that tables use the actual caption element instead of cells with the [colspan] attribute may improve the experience for screen reader users. [Learn more about captions.](#)

<td> elements in a large <table> have one or more table headers.

^

Screen readers have features to make navigating tables easier. Ensuring that <td> elements in a large table (3 or more cells in width and height) have an associated table header may improve the experience for screen reader users. [Learn more about table headers.](#)



Best Practices

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 how to use a CSP to prevent XSS](#)

Description	Directive	Severity
No CSP found in enforcement mode		High

PASSED AUDITS (14)

Hide

Uses HTTPS	^
All sites should be protected with HTTPS, even ones that don't handle sensitive data. This includes avoiding mixed content , where some resources are loaded over HTTP despite the initial request being served over HTTPS. HTTPS prevents intruders from tampering with or passively listening in on the communications between your app and your users, and is a prerequisite for HTTP/2 and many new web platform APIs. Learn more about HTTPS .	
Avoids deprecated APIs	^
Deprecated APIs will eventually be removed from the browser. Learn more about deprecated APIs .	
Avoids third-party cookies	^
Support for third-party cookies will be removed in a future version of Chrome. Learn more about phasing out third-party cookies .	
Allows users to paste into input fields	^
Preventing input pasting is a bad practice for the UX, and weakens security by blocking password managers. Learn more about user-friendly input fields .	
Avoids requesting the geolocation permission on page load	^
Users are mistrustful of or confused by sites that request their location without context. Consider tying the request to a user action instead. Learn more about the geolocation permission .	
Avoids requesting the notification permission on page load	^
Users are mistrustful of or confused by sites that request to send notifications without context. Consider tying the request to user gestures instead. Learn more about responsibly getting permission for notifications .	

Displays images with correct aspect ratio	^
Image display dimensions should match natural aspect ratio. Learn more about image aspect ratio.	
Serves images with appropriate resolution	^
Image natural dimensions should be proportional to the display size and the pixel ratio to maximize image clarity. Learn how to provide responsive images.	
Page has the HTML doctype	^
Specifying a doctype prevents the browser from switching to quirks-mode. Learn more about the doctype declaration.	
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. Learn more about declaring the character encoding.	
Avoids <code>unload</code> event listeners	^
The unload event does not fire reliably and listening for it can prevent browser optimizations like the Back-Forward Cache. Use <code>pagehide</code> or <code>visibilitychange</code> events instead. Learn more about unload event listeners	
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. Learn more about this errors in console diagnostic audit	
No issues in the <code>Issues</code> 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.	
Page has valid source maps	^
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 about source maps.	

NOT APPLICABLE (2)

Hide

<input type="radio"/> Fonts with <code>font-display: optional</code> are preloaded	^
Preload optional fonts so first-time visitors may use them. Learn more about preloading fonts	
<input type="radio"/> Detected JavaScript libraries	^
All front-end JavaScript libraries detected on the page. Learn more about this JavaScript library detection diagnostic audit.	



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 [Core Web Vitals](#). [Learn more about Google Search Essentials.](#)

ADDITIONAL ITEMS TO MANUALLY CHECK (1)

Hide

Structured data is valid

Run the [Structured Data Testing Tool](#) and the [Structured Data Linter](#) to validate structured data. [Learn more about Structured Data](#).

Run these additional validators on your site to check additional SEO best practices.

PASSED AUDITS (10)

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 about using the viewport meta tag](#).

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 about document titles](#).

Document has a meta description

Meta descriptions may be included in search results to concisely summarize page content. [Learn more about the meta description](#).

Page has successful HTTP status code

Pages with unsuccessful HTTP status codes may not be indexed properly. [Learn more about HTTP status codes](#).

Links have descriptive text

Descriptive link text helps search engines understand your content. [Learn how to make links more accessible](#).

about:blank

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Links are 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. Learn how to make links crawlable	
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 about crawler directives.	
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 about the alt attribute.	
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. Learn more about hreflang.	
Document avoids plugins	^
Search engines can't index plugin content, and many devices restrict plugins or don't support them. Learn more about avoiding plugins.	

NOT APPLICABLE (4)

Hide

<input type="radio"/> 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 about robots.txt.	
<input type="radio"/> Document has a valid <code>rel=canonical</code>	^
Canonical links suggest which URL to show in search results. Learn more about canonical links.	
<input type="radio"/> 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 ≥12px. Learn more about legible font sizes.	
<input type="radio"/> Tap targets are sized appropriately	^
Interactive elements like buttons and links should be large enough (48x48px), or have enough space around them, to be easy enough to tap without overlapping onto other elements. Learn more about tap targets.	

As per [Chrome's updated Installability Criteria](#), Lighthouse will be deprecating the PWA category in a future release. Please refer to the [updated PWA documentation](#) for future PWA testing.



PWA

These checks validate the aspects of a Progressive Web App. [Learn what makes a good Progressive Web App.](#)

INSTALLABLE

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

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. [Learn more about manifest installability requirements.](#)

Failure reason

Page has no manifest <link> URL

PWA OPTIMIZED

Is not configured for a custom splash screen

▲ Failures: Manifest does not have a PNG icon of at least 512px, Manifest does not have `background_color`, Manifest does not have `theme_color`, Manifest does not have `name`. ^

A themed splash screen ensures a high-quality experience when users launch your app from their homescreens. [Learn more about splash screens.](#)

Does not set a theme color for the address bar.


▲ Failures: Manifest does not have `theme_color`, No `

The browser address bar can be themed to match your site. [Learn more about theming the address bar.](#)

○ Content is sized correctly for the viewport ^

about:blank

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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. Learn how to size content for the viewport.	
Has a <code><meta name="viewport"></code> tag with <code>width</code> or <code>initial-scale</code>	^
A <code><meta name="viewport"></code> not only optimizes your app for mobile screen sizes, but also prevents a 300 millisecond delay to user input . Learn more about using the viewport meta tag. TBT	
 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. Learn about maskable manifest icons.	

ADDITIONAL ITEMS TO MANUALLY CHECK (3)

Hide

<input type="radio"/> Site works cross-browser	^
To reach the most number of users, sites should work across every major browser. Learn about cross-browser compatibility.	
<input type="radio"/> 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. Learn more about page transitions.	
<input type="radio"/> 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 about providing deep links.	

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.

Captured at May 19, 2024, 9:51 PM GMT+5:30 Initial page load	Emulated Desktop with Lighthouse 11.6.0 Custom throttling	Single page session Using Chromium 124.0.0.0 with devtools
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