

http://localhost:5173/create-employee







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







METRICS

▲ First Contentful Paint

8.2 s

Total Blocking Time

20 ms

Speed Index

9.8 s

▲ Largest Contentful Paint

13.5 s

Cumulative Layout Shift

0.063





Show audits relevant to: All FCP LCP TBT CLS









Expand view



DIAGNOSTICS



This is the largest contentful element painted within the viewport. <u>Learn more about the Largest</u> <u>Contentful Paint element [LCP]</u>

Element



Logo

Phase	% of LCP	Timing
TTFB	3%	450 ms
Load Delay	49%	6,620 ms
Load Time	2%	270 ms
Render Delay	46%	6,160 ms

▲ Enable text compression — Potential savings of 1,374 KiB

Text-based resources should be served with compression (gzip, deflate or brotli) to minimize total network bytes. <u>Learn more about text compression</u>. FCP <u>LCP</u>

URL	Transfer Size	Potential Savings
localhost 1st Party	1,721.0 KiB	1,373.6 KiB
deps/chunk-T7VP4UGM.js?v=0b428535 (localhost)	903.7 KiB	764.5 KiB
deps/react-router-dom.js?v=0b428535 (localhost)	181.8 KiB	142.2 KiB
deps/@reduxjs_toolkit.js?v=0b428535 (localhost)	106.1 KiB	81.2 KiB
/@vite/client (localhost)	96.8 KiB	66.9 KiB
deps/chunk-KZA2ZXKF.js?v=0b428535 (localhost)	76.0 KiB	60.3 KiB
/@react-refresh (localhost)	61.1 KiB	42.8 KiB
deps/react-redux.js?v=0b428535 (localhost)	40.4 KiB	31.2 KiB
deps/react_jsx-dev-runtime.js?v=0b428535 (localhost)	35.1 KiB	27.6 KiB

URL	Transfer Size	Potential Savings
deps/prop-types.js?v=0b428535 (localhost)	33.0 KiB	26.8 KiB
Form/index.jsx (localhost)	29.2 KiB	21.6 KiB
deps/redux-persist.js?v=0b428535 (localhost)	24.2 KiB	19.1 KiB
data/States.js (localhost)	20.7 KiB	18.3 KiB
Table/index.jsx (localhost)	19.9 KiB	13.5 KiB
deps/chunk-CJJUDK5M.js?v=0b428535 (localhost)	15.1 KiB	11.0 KiB
TableHeader/index.jsx (localhost)	9.2 KiB	5.4 KiB
Header/index.jsx (localhost)	6.3 KiB	4.1 KiB
deps/redux-persist_integration_react.js?v=0b428535 (localhost)	5.1 KiB	3.5 KiB
reducers/employee.jsx (localhost)	5.8 KiB	3.3 KiB
/src/App.jsx (localhost)	5.3 KiB	3.3 KiB
TableContent/index.jsx (localhost)	5.4 KiB	3.2 KiB
Date/index.jsx (localhost)	5.1 KiB	2.9 KiB
Modal/index.jsx (localhost)	4.7 KiB	2.8 KiB
src/Select.jsx (localhost)	4.4 KiB	2.6 KiB
/src/main.jsx (localhost)	4.2 KiB	2.5 KiB
deps/redux-persist_lib_storage.js?v=0b428535 (localhost)	3.5 KiB	2.5 KiB
Search/index.jsx (localhost)	4.4 KiB	2.4 KiB
CreateEmployee/index.jsx (localhost)	3.9 KiB	2.2 KiB
Employee/index.jsx (localhost)	3.8 KiB	2.1 KiB
store/index.jsx (localhost)	3.7 KiB	1.9 KiB
client/env.mjs (localhost)	3.2 KiB	1.7 KiB

▲ Minify JavaScript — Potential savings of 689 KiB

Minifying JavaScript files can reduce payload sizes and script parse time. Learn how to minify JavaScript. FCP LCP

URL	e Savings
localhost 1st Party 1,704.8 Kil	3 688.9 KiB
deps/chunk-T7VP4UGM.js?v=0b428535 (localhost) 903.7 Ki	331.4 KiB
/@vite/client (localhost) 96.8 Ki	3 79.8 KiB
/@react-refresh (localhost) 61.1 Ki	3 49.9 KiB
deps/react-router-dom.js?v=0b428535 (localhost) 181.8 Ki	3 42.9 KiB
deps/chunk-KZA2ZXKF.js?v=0b428535 (localhost) 76.0 Ki	31.0 KiB
deps/@reduxjs_toolkit.js?v=0b428535 (localhost) 106.1 Ki	3 26.1 KiB
data/States.js (localhost) 20.7 Ki	3 18.7 KiB
Form/index.jsx (localhost) 29.2 Ki	3 18.4 KiB
deps/react_jsx-dev-runtime.js?v=0b428535 (localhost) 35.1 Ki	3 13.7 KiB
Table/index.jsx (localhost) 19.9 Ki	3 12.7 KiB
deps/react-redux.js?v=0b428535 (localhost) 40.4 Ki	3 10.5 KiB
deps/prop-types.js?v=0b428535 (localhost) 33.0 Ki	3 10.1 KiB
deps/redux-persist.js?v=0b428535 (localhost) 24.2 Ki	3 5.9 KiB
TableHeader/index.jsx (localhost) 9.2 Ki	3 5.5 KiB
reducers/employee.jsx (localhost) 5.8 Ki	3 4.5 KiB
Header/index.jsx (localhost) 6.3 Ki	3 2.9 KiB
deps/chunk-CJJUDK5M.js?v=0b428535 (localhost) 15.1 Ki	3 2.9 KiB
TableContent/index.jsx (localhost) 5.4 Ki	3 2.7 KiB
client/env.mjs (localhost) 3.2 Ki	3 2.7 KiB
store/index.jsx (localhost) 3.7 Ki	3 2.7 KiB
src/Select.jsx (localhost) 4.4 Ki	3 2.6 KiB
/src/App.jsx (localhost) 5.3 Ki	3 2.5 KiB
Date/index.jsx (localhost) 5.1 Ki	3 2.4 KiB
/src/main.jsx (localhost) 4.2 Ki	3 2.3 KiB
Modal/index.jsx (localhost) 4.7 Ki	3 2.1 KiB
Search/index.jsx (localhost) 4.4 Ki	3 2.0 KiB

▲ Reduce unused JavaScript — Potential savings of 650 KiB

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

URL	Transfer Size	Potential Savings
localhost 1st Party	1,308.0 KiB	649.5 KiB
deps/chunk-T7VP4UGM.js?v=0b428535 (localhost)	903.7 KiB	382.6 KiB
react-dom/cjs/react-dom.development.js	885.2 KiB	378.9 KiB
scheduler/cjs/scheduler.development.js	16.5 KiB	3.7 KiB
deps/react-router-dom.js?v=0b428535 (localhost)	181.8 KiB	136.6 KiB
@remix-run/router/router.ts	67.7 KiB	66.6 KiB
react-router-dom/index.tsx	29.6 KiB	22.7 KiB
@remix-run/router/utils.ts	19.5 KiB	10.3 KiB
react-router/lib/hooks.tsx	20.6 KiB	8.7 KiB
@remix-run/router/history.ts	8.6 KiB	5.0 KiB
deps/@reduxjs_toolkit.js?v=0b428535 (localhost)	106.1 KiB	66.1 KiB
@reduxjs/toolkit/src/createSlice.ts	8.9 KiB	8.3 KiB
@reduxjs/toolkit/src/listenerMiddleware/index.ts	8.5 KiB	7.9 KiB
@reduxjs/toolkit/src/createAsyncThunk.ts	4.7 KiB	4.4 KiB
 @reduxjs/toolkit/src/entities/unsorted_state_adapter.ts	3.6 KiB	3.6 KiB
@reduxjs/toolkit/src/matchers.ts	3.1 KiB	3.1 KiB
deps/chunk-KZA2ZXKF.js?v=0b428535 (localhost)	76.0 KiB	40.9 KiB
cjs/react.development.js	75.2 KiB	40.9 KiB
deps/react-redux.js?v=0b428535 (localhost)	40.4 KiB	23.3 KiB
react-redux/src/components/connect.tsx	9.4 KiB	9.2 KiB
react-redux/src/connect/selectorFactory.ts	2.7 KiB	2.7 KiB
react-redux/src/utils/react-is.ts	2.6 KiB	1.7 KiB
react-redux/src/connect/wrapMapToProps.ts	1.3 KiB	1.3 KiB
react-redux/src/utils/hoistStatics.ts	2.1 KiB	1.1 KiB

▲ Serve images in next-gen formats — Potential savings of 35 KiB

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 about modern image formats</u>.



▲ Properly size images — Potential savings of 19 KiB

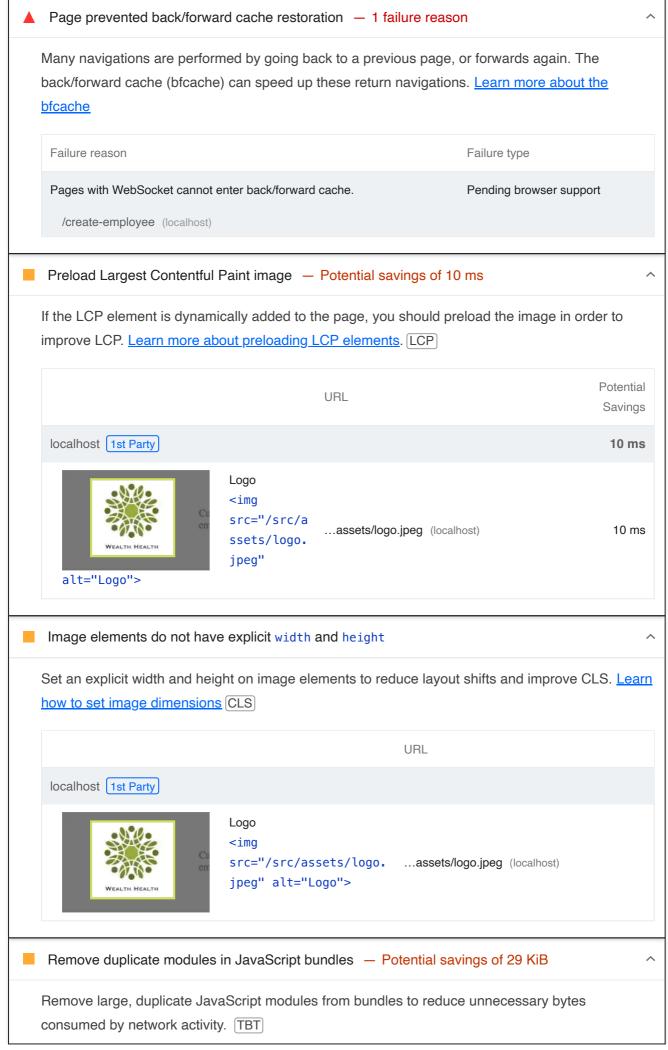
Serve images that are appropriately-sized to save cellular data and improve load time. <u>Learn how to size images</u>.



▲ Efficiently encode images — Potential savings of 24 KiB

Optimized images load faster and consume less cellular data. <u>Learn how to efficiently encode images</u>.

		URL	Resource Size	Potential Savings
localhost 1st Party			44.1 KiB	23.7 KiB
C="/src/assets/logo.jpalt="Logo">	Lo go <i mg sr peg"</i 	assets/logo.jpeg (localhost)	44.1 KiB	23.7 KiB



Source	Transfer Size	Potential Savings
index.jsx		30 KiB
Form/index.jsx (localhost)	10 KiB	
Table/index.jsx (localhost)	10 KiB	
TableHeader/index.jsx (localhost)	0 KiB	
Header/index.jsx (localhost)	0 KiB	
TableContent/index.jsx (localhost)	0 KiB	
Modal/index.jsx (localhost)	0 KiB	
Date/index.jsx (localhost)	0 KiB	
Search/index.jsx (localhost)	0 KiB	
CreateEmployee/index.jsx (localhost)	0 KiB	
Employee/index.jsx (localhost)	0 KiB	

Avoid serving legacy JavaScript to modern browsers — Potential savings of 0 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
localhost 1st Party		0.2 KiB
deps/redux-persist_integration_react.js? v=0b428535 (localhost)		0.2 KiB
//redux-persist/es/integration/react.js:3:112	<pre>@babel/plugin- transform-classes</pre>	

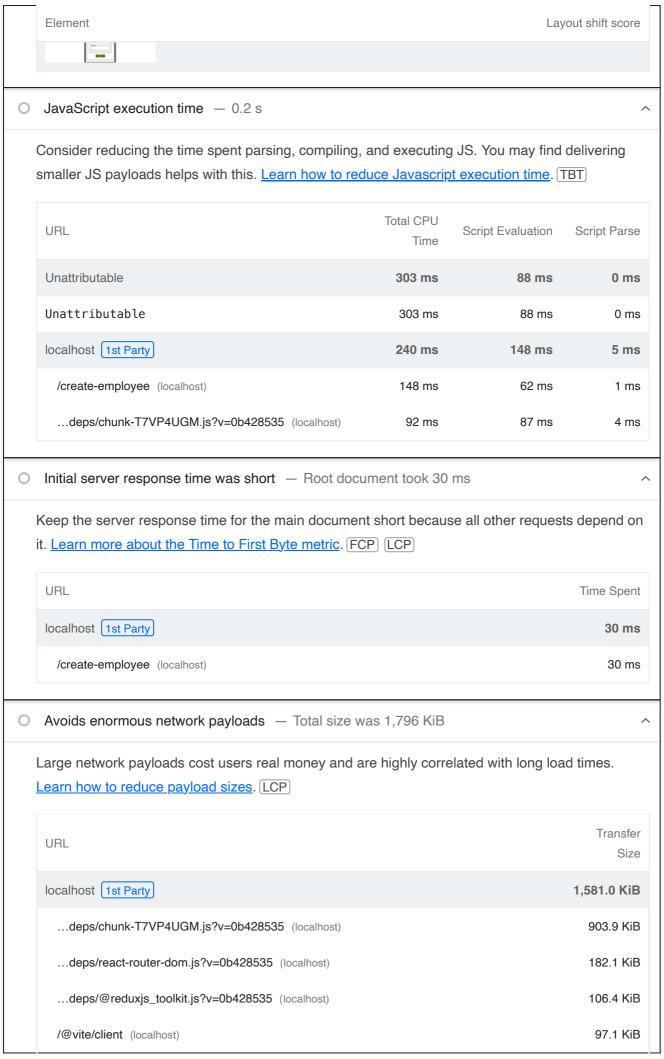
○ Avoid large layout shifts — 1 layout shift found

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

Create Employee First Name Last Name Date of Birth Start Date
Department Sales ...
<main class="create_employee">

Layout shift score

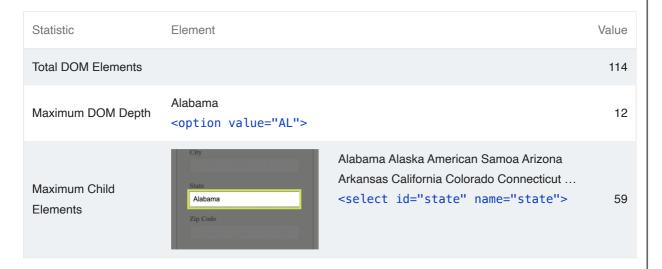
0.063



/@react-refresh (localhost) assets/logo.jpeg (localhost) 44.4 KiE		Transfer Size
assets/logo.jpeg (localhost) 44.4 KiE	A2ZXKF.js?v=0b428535 (localhost)	76.2 KiB
	localhost)	61.4 KiB
deps/react-redux.js?v=0b428535 (localhost) 40.7 KiE	g (localhost)	44.4 KiB
	x.js?v=0b428535 (localhost)	40.7 KiB
deps/react_jsx-dev-runtime.js?v=0b428535 (localhost) 35.4 KiE	dev-runtime.js?v=0b428535 (localhost)	35.4 KiB
deps/prop-types.js?v=0b428535 (localhost) 33.3 KiE	s.js?v=0b428535 (localhost)	33.3 KiB

○ Avoids an excessive DOM size — 114 elements

A large DOM will increase memory usage, cause longer <u>style calculations</u>, and produce costly <u>layout reflows</u>. <u>Learn how to avoid an excessive DOM size</u>. <u>TBT</u>



O Avoid chaining critical requests — 31 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. Learn how to avoid chaining critical requests. FCP LCP

Maximum critical path latency: 103.752 ms

/create-employee (localhost)

/@vite/client (localhost)

...client/env.mjs (localhost) - 11.943 ms, 3.40 KiB

/src/main.jsx (localhost)

...deps/react_jsx-dev-runtime.js?v=0b428535 (localhost) - 2.576 ms, 35.42 KiB

...deps/react_js?v=0b428535 (localhost)

```
...deps/chunk-KZA2ZXKF.js?v=0b428535 (localhost) - 12.23 ms, 76.24 KiB
     ...deps/chunk-LNEMQRCO.js?v=0b428535 (localhost) - 6.33 ms, 1.94 KiB
...deps/react-dom_client.js?v=0b428535 (localhost)
     ...deps/chunk-T7VP4UGM.js?v=0b428535 (localhost) - 20.232 ms, 903.94 KiB
...deps/react-router-dom.js?v=0b428535 (localhost) - 5.153 ms, 182.11 KiB
...deps/react-redux.js?v=0b428535 (localhost) - 4.995 ms, 40.68 KiB
...deps/redux-persist_integration_react.js?v=0b428535 (localhost) - 7.708 ms, 5.40 KiB
/src/App.jsx (localhost)
    ...Header/index.jsx (localhost)
         ...assets/logo.jpeg?import (localhost) - 1.942 ms, 0.60 KiB
         ...Header/style.css (localhost) - 2.023 ms, 1.16 KiB
    ...Employee/index.jsx (localhost)
         ...Table/index.jsx (localhost)
             ...TableHeader/index.jsx (localhost)
                  ...deps/prop-types.js?v=0b428535 (localhost) - 6.836 ms, 33.31 KiB
                 ...TableHeader/style.css (localhost) - 4.981 ms, 1.08 KiB
           ...TableContent/index.jsx (localhost) - 2.919 ms, 5.70 KiB
           ...Search/index.jsx (localhost) - 3.224 ms, 4.63 KiB
           ...data/columns.json?import (localhost) - 3.578 ms, 0.83 KiB
             ...Table/style.css (localhost) - 3.843 ms, 2.15 KiB
         ... Employee/style.css (localhost) - 2.355 ms, 0.95 KiB
    ...CreateEmployee/index.jsx (localhost)
         ...Form/index.jsx (localhost)
             ...src/Select.jsx (localhost)
                  ...src/Select.css (localhost) - 3.836 ms, 1.72 KiB
             ...Modal/index.jsx (localhost) - 4.543 ms, 4.97 KiB
             ...Date/index.jsx (localhost)
                  ...Date/style.css (localhost) - 2.349 ms, 1.25 KiB
            ...data/Department.js (localhost) - 4.83 ms, 1.35 KiB
             ...data/States.js (localhost) - 6.378 ms, 20.93 KiB
             ...Form/style.css (localhost) - 6.788 ms, 2.52 KiB
         ...CreateEmployee/style.css (localhost) - 3.182 ms, 0.84 KiB
...deps/redux-persist.js?v=0b428535 (localhost)
     ...deps/chunk-CJJUDK5M.js?v=0b428535 (localhost) - 16.529 ms, 15.39 KiB
...store/index.jsx (localhost)
     ...deps/@reduxjs_toolkit.js?v=0b428535 (localhost) - 10.629 ms, 106.41 KiB
    ...deps/redux.js?v=0b428535 (localhost) - 8.527 ms, 0.78 KiB
    ...deps/redux-persist_lib_storage.js?v=0b428535 (localhost) - 8.581 ms, 3.74 KiB
    ...reducers/employee.jsx (localhost) - 9.075 ms, 6.08 KiB
/src/index.css (localhost) - 7.324 ms, 0.74 KiB
```

/@react-refresh (localhost) - 1.086 ms, 61.36 KiB Minimizes main-thread work − 0.6 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] Time Spent Category Other 258 ms Script Evaluation 247 ms Style & Layout 69 ms Rendering 10 ms Script Parsing & Compilation 9 ms Parse HTML & CSS 5 ms ○ 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. Learn how to avoid long main-thread tasks TBT **URL** Start Time Duration Unattributable 153 ms Unattributable 610 ms 85 ms Unattributable 695 ms 68 ms localhost [1st Party] 146 ms ...deps/chunk-T7VP4UGM.js?v=0b428535 (localhost) 9,950 ms 86 ms 4,233 ms 60 ms /create-employee (localhost)

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

PASSED AUDITS (19)

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

Eliminate render-blocking resources

Defer offscreen images Consider lazy-loading offscreen and hidden images after all critical resources have	
Consider lazy-loading offscreen and hidden images after all critical resources have	
to lower time to interactive. Learn how to defer offscreen images.	finished loadii
Minify CSS	
Minifying CSS files can reduce network payload sizes. Learn how to minify CSS. F	CP LCP
Reduce unused CSS	
Reduce unused rules from stylesheets and defer CSS not used for above-the-fold decrease bytes consumed by network activity. Learn how to reduce unused CSS.	
Preconnect to required origins	
Consider adding preconnect or dns-prefetch resource hints to establish early important third-party origins. Learn how to preconnect to required origins. FCP LC	
Avoid multiple page redirects	
Redirects introduce additional delays before the page can be loaded. <u>Learn how to redirects</u> . FCP LCP	avoid page
Preload key requests	
Consider using link rel=preload> to prioritize fetching resources that are currequested later in page load. Learn how to preload key requests. FCP LCP	rrently
Use HTTP/2	
HTTP/2 offers many benefits over HTTP/1.1, including binary headers and multiple	exing. <u>Learn</u>
more about HTTP/2.	

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. <u>Learn more about efficient video formats [LCP]</u>

● Uses efficient cache policy on static assets — 0 resources found

A long cache lifetime can speed up repeat visits to your page. <u>Learn more about efficient cache</u> policies.

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 about User Timing marks</u>.

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]

Minimize third-party usage

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. <u>Learn how to minimize third-party impact</u>. TBT

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 how to defer third-parties with a facade</u>. 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



Logo

Element

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. <u>Learn how to avoid document.write()</u>.

Avoid non-composited animations

Animations which are not composited can be janky and increase CLS. <u>Learn how to avoid non-composited animations (CLS)</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 a 300 millisecond delay to user input. Learn more about using the viewport meta tag.

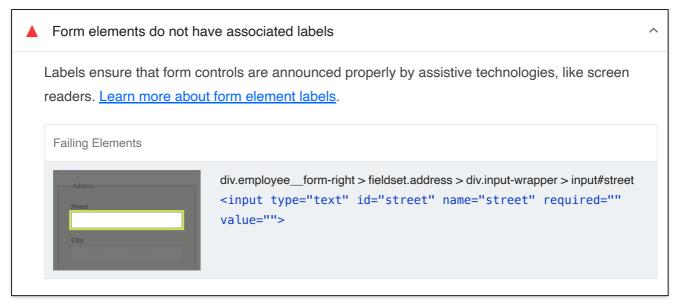
[TBT]



Accessibility

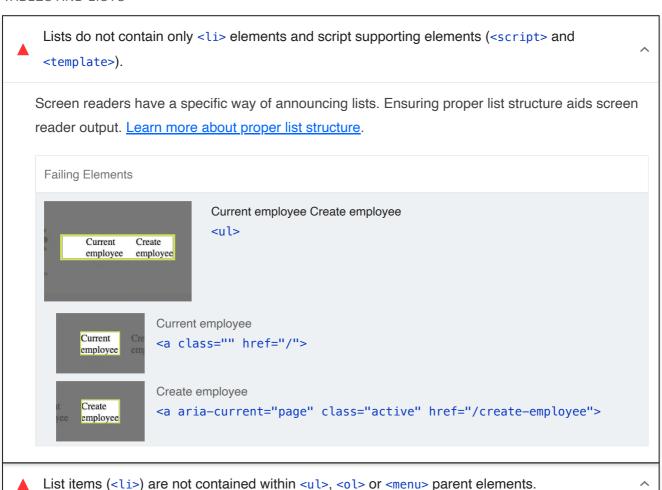
These checks highlight opportunities to improve the accessibility of your web app. Automatic detection can only detect a subset of issues and does not guarantee the accessibility of your web app, so manual testing is also encouraged.

NAMES AND LABELS

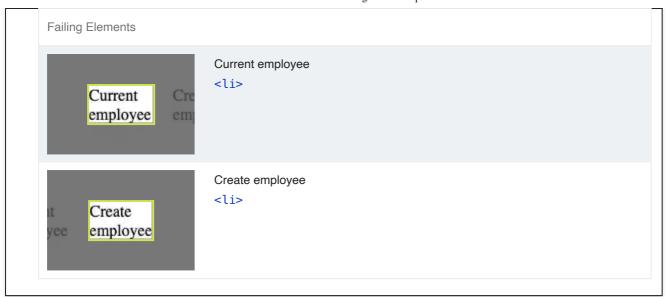


These are opportunities to improve the semantics of the controls in your application. This may enhance the experience for users of assistive technology, like a screen reader.

TABLES AND LISTS



Screen readers require list items () to be contained within a parent , or <menu> to be announced properly. Learn more about proper list structure.



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)

14/03/2024 12:22

Hide

Interactive controls are keyboard focusable

Custom interactive controls are keyboard focusable and display a focus indicator. <u>Learn how to make custom controls focusable</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 how to decorate interactive elements with affordance hints</u>.

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.

Visual order on the page follows DOM order

DOM order matches the visual order, improving navigation for assistive technology. <u>Learn more about DOM and visual ordering.</u>

O 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</u> how to avoid focus traps.

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

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 (16)

• [aria-*] attributes match their roles

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.

[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 how aria-hidden affects the document body.

[aria-*] attributes have valid values

Assistive technologies, like screen readers, can't interpret ARIA attributes with invalid values. <u>Learn</u> more about valid values for ARIA attributes.

[aria-*] attributes are valid and not misspelled

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. <u>Learn how to make buttons more accessible</u>.

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 about the alt attribute</u>.

[user-scalable="no"] is not used in the <meta name="viewport"> element and the [maximum-scale] 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. <u>Learn more about the viewport meta tag.</u>

Background and foreground colors have a sufficient contrast ratio

Low-contrast text is difficult or impossible for many users to read. <u>Learn how to provide sufficient</u> color contrast.

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. <u>Learn more about document titles</u>.

[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 how to fix duplicate ids.

<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. Learn more about the lang attribute.

<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 how to use the lang attribute</u>.

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. <u>Learn how to make links accessible</u>.

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.

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. <u>Learn more about heading order</u>.

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. <u>Learn more about the alt attribute</u>.

NOT APPLICABLE (42) Hide

0	[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.	
0	Values assigned to role="" are valid ARIA roles.	^
	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 purpo of the element will not be communicated to users of assistive technologies. <u>Learn more about ARIA roles</u> .	se
0	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. Learn how to make command elements more accessible.	
0	Elements with role="dialog" or role="alertdialog" have accessible names.	^
	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.	
0	[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. Learn how aria-hidden affects focusable elements.	
0	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 it unusable for users who rely on screen readers. Learn more about input field labels.	,
0	ARIA meter elements have accessible names	^
	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.	
0	ARIA progressbar 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 labe progressbar elements .	<u>əl</u>
O [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 about roles and required attributes.	S.
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. Learn more about roles and required children elements.	
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 accessibility functions. Learn more about ARIA roles and required parent element.	
O [role] values are valid	^
ARIA roles must have valid values in order to perform their intended accessibility functions. <u>Learn more about valid ARIA roles</u> .	1
Elements with the role=text attribute do not have focusable descendents.	^
Adding role=text 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.	
O 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. <u>Learn more about toggle fields</u> .	
ARIA tooltip 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.	
O ARIA treeitem elements have accessible names	^

When a treeitem 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.
The page contains a heading, skip link, or landmark region
Adding ways to bypass repetitive content lets keyboard users navigate the page more efficiently. <u>Learn more about bypass blocks</u> .
<pre><dl>'s contain only properly-ordered <dt> and <dd> groups, <script>, <template> or <div> elements.</pre></td></tr><tr><td>When definition lists are not properly marked up, screen readers may produce confusing or inaccurate output. Learn how to structure definition lists correctly.</td></tr><tr><td>O Definition list items are wrapped in <dl> elements</td></tr><tr><td>Definition list items (<dt> and <dd>) must be wrapped in a parent <dl> element to ensure that screen readers can properly announce them. Learn how to structure definition lists correctly.</td></tr><tr><td>O ARIA IDs are unique</td></tr><tr><td>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.</td></tr><tr><td>O No form fields have multiple labels</td></tr><tr><td>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.</td></tr><tr><td>O <frame> or <iframe> elements have a title</td></tr><tr><td>Screen reader users rely on frame titles to describe the contents of frames. Learn more about frame titles.</td></tr><tr><td><html> element has an [xml:lang] attribute with the same base language as the [lang] attribute.</td></tr><tr><td>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.</td></tr><tr><td>O Input buttons have discernible text.</td></tr><tr><td>Adding discernable and accessible text to input buttons may help screen reader users understand</td></tr></tbody></table></script></dd></dt></dl></pre>

the purpose of the input button. Learn more about input buttons. <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. Learn about input image alt text. 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. 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. Learn more about the refresh meta tag. <object> elements have alternate text Screen readers cannot translate non-text content. Adding alternate text to <object> elements helps screen readers convey meaning to users. Learn more about alt text for object elements. Skip links are focusable. Including a skip link can help users skip to the main content to save time. Learn more about skip links. 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. Learn more about the tabindex attribute. Tables have different content in the summary attribute and <caption>. The summary attribute should describe the table structure, while <caption> should have the onscreen title. Accurate table mark-up helps users of screen readers. Learn more about summary and caption. 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 about the headers attribute</u> .	
elements and elements with [role="columnheader"/"rowheader"] have data cells the describe.	У
Screen readers have features to make navigating tables easier. Ensuring table headers alway refer to some set of cells may improve the experience for screen reader users. Learn more at table headers.	
O [lang] attributes have a valid value	^
Specifying a valid <u>BCP 47 language</u> on elements helps ensure that text is pronounced correct a screen reader. <u>Learn how to use the lang attribute</u> .	tly by
O <video> elements contain a <track/> element with [kind="captions"]</video>	^
When a video provides a caption it is easier for deaf and hearing impaired users to access its information. <u>Learn more about video captions</u> .	
All heading elements contain content.	^
A heading with no content or inaccessible text prevent screen reader users from accessing information on the page's structure. <u>Learn more about headings</u> .	
O Identical links have the same purpose.	^
Links with the same destination should have the same description, to help users understand t link's purpose and decide whether to follow it. <u>Learn more about identical links</u> .	he
O Document has a main landmark.	^
One main landmark helps screen reader users navigate a web page. Learn more about landn	<u>narks</u> .
Touch targets have sufficient size and spacing.	^
Touch targets with sufficient size and spacing help users who may have difficulty targeting sm controls to activate the targets. <u>Learn more about touch targets</u> .	all
Elements with visible text labels have matching accessible names.	^
Visible text labels that do not match the accessible name can result in a confusing experience screen reader users. Learn more about accessible names.	for
Tables use <caption> instead of cells with the [colspan] attribute to indicate a caption.</caption>	^

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. <u>Learn more about captions</u>.

elements in a large have one or more table headers.

Screen readers have features to make navigating tables easier. Ensuring that 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. <u>Learn more about table headers</u>.



TRUST AND SAFETY

O 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 <u>mixed content</u>, 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

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Lighthouse Report 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. <u>Learn more about the doctype declaration</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. Learn more about declaring the character encoding.

Avoids unload event listeners

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> 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. <u>Learn more about this errors in console diagnostic audit</u>

No issues 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.

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. <u>Learn more about source maps</u>.

URL

localhost 1st Party

...reducers/employee.jsx (localhost)

...store/index.jsx (localhost)

...Modal/index.jsx (localhost)

Lighthouse Report URL Map URL ...Date/index.jsx (localhost) ...Employee/index.jsx (localhost) ...CreateEmployee/index.jsx (localhost) /src/main.jsx (localhost) ...data/States.js (localhost) ...data/Department.js (localhost) ...TableHeader/index.jsx (localhost) ...TableContent/index.jsx (localhost) ...Table/index.jsx (localhost) ...Search/index.jsx (localhost) ...Header/index.jsx (localhost) ...Form/index.jsx (localhost) ...assets/logo.jpeg?import (localhost) /src/App.jsx (localhost) ...client/env.mjs (localhost) ...src/Select.jsx (localhost) ...deps/redux.js?v=0b428535 (localhost) ...deps/redux.js.map (localhost) ...deps/redux-persist.js?v=0b428535 (localhost) ...deps/redux-persist.js.map (localhost) ...deps/redux-persist_lib_storage.js? ...deps/redux-persist_lib_storage.js.map (localhost) v=0b428535 (localhost) ...deps/redux-persist_integration_react.js? ...deps/reduxv=0b428535 (localhost) persist_integration_react.js.map (localhost) ...deps/react.js?v=0b428535 (localhost) ...deps/react.js.map (localhost) ...deps/react-router-dom.js?v=0b428535 (localhost) ...deps/react-router-dom.js.map (localhost) ...deps/react-redux.js?v=0b428535 (localhost) ...deps/react-redux.js.map (localhost) ...deps/react-dom_client.js?v=0b428535 (localhost) ...deps/react-dom_client.js.map (localhost) ...deps/react_jsx-dev-runtime.js? ...deps/react_jsx-dev-runtime.js.map (localhost) v=0b428535 (localhost) ...deps/prop-types.js?v=0b428535 (localhost) ...deps/prop-types.js.map (localhost)

URL	Map URL
deps/chunk-T7VP4UGM.js?v=0b428535 (localhost)	deps/chunk-T7VP4UGM.js.map (localhost)
deps/chunk-LNEMQRCO.js?v=0b428535 (localhost)	deps/chunk-LNEMQRCO.js.map (localhost)
deps/chunk-KZA2ZXKF.js?v=0b428535 (localhost)	deps/chunk-KZA2ZXKF.js.map (localhost)
deps/chunk-CJJUDK5M.js?v=0b428535 (localhost)	deps/chunk-CJJUDK5M.js.map (localhost)
deps/@reduxjs_toolkit.js?v=0b428535 (localhost)	deps/@reduxjs_toolkit.js.map (localhost)
/@vite/client (localhost)	
/@react-refresh (localhost)	

NOT APPLICABLE (2) Hide

Fonts with font-display: optional are preloaded
 Preload optional fonts so first-time visitors may use them. Learn more about preloading fonts
 Detected JavaScript libraries
 All front-end JavaScript libraries detected on the page. Learn more about this JavaScript library detection diagnostic audit.



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.

CONTENT BEST PRACTICES

Document does not have a meta description

Meta descriptions may be included in search results to concisely summarize page content. <u>Learn</u> more about the meta description.

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

CRAWLING AND INDEXING

A	▲ robots.txt is not valid — 21 errors found				
	If your robots.txt file is malformed, crawlers may not be able to understand how you want your website to be crawled or indexed. <u>Learn more about robots.txt</u> .				
	Line #	Content	Error		
	1	html	Syntax not understood		
	2	<html lang="en"></html>	Syntax not understood		
	3	<head></head>	Syntax not understood		
	4	<pre><script type="module"></pre></td><td>Syntax not understood</td><td></td></tr><tr><td></td><td>5</td><td><pre>import RefreshRuntime from "/@react-refresh"</pre></td><td>Syntax not understood</td><td></td></tr><tr><td></td><td>6</td><td>RefreshRuntime.injectIntoGlobalHook(window)</td><td>Syntax not understood</td><td></td></tr><tr><td></td><td>7</td><td><pre>window.\$RefreshReg\$ = () => {}</pre></td><td>Syntax not understood</td><td></td></tr><tr><td></td><td>8</td><td><pre>window.\$RefreshSig\$ = () => (type) => type</pre></td><td>Syntax not understood</td><td></td></tr><tr><td></td><td>9</td><td><pre>windowvite_plugin_react_preamble_installed = true</pre></td><td>Syntax not understood</td><td></td></tr><tr><td></td><td>10</td><td></script></pre>	Syntax not understood		
	12	<pre><script src="/@vite/client" type="module"></script></pre>	Syntax not understood		
	14	<meta charset="utf-8"/>	Syntax not		

Line #	Content	Error
		understood
15	<pre><link href="/vite.svg" rel="icon" type="image/svg+xml"/></pre>	Syntax not understood
16	<pre><meta content="width=device-width, initial-scale=1.0" name="viewport"/></pre>	Syntax not understood
17	<title>Vite + React</title>	Syntax not understood
18		Syntax not understood
19	<body></body>	Syntax not understood
20	<div id="root"></div>	Syntax not understood
21	<pre><script src="/src/main.jsx" type="module"></script></pre>	Syntax not understood
22		Syntax not understood
23		Syntax not understood

To appear in search results, crawlers need access to your app.

ADDITIONAL ITEMS TO MANUALLY CHECK (1)

Hide

Structured data is valid

Run the <u>Structured Data Testing Tool</u> and the <u>Structured Data Linter</u> to validate structured data. <u>Learn more about Structured Data</u>.

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

PASSED AUDITS (11)

● 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

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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. 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. 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 uses legible font sizes - 100% legible text

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.

Source	Selector	% of Page Text	Font Size
Legible text		100.00%	≥ 12px

Document avoids plugins

Search engines can't index plugin content, and many devices restrict plugins or don't support them. <u>Learn more about avoiding plugins</u>.

■ Tap targets are sized appropriately — 100% appropriately sized tap targets

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. <u>Learn</u> more about tap targets.

NOT APPLICABLE (1) Hide

Document has a valid rel=canonical

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

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.



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



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: No manifest was fetched.

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: No manifest was fetched, No `<meta name="theme-color"> `tag found.

The browser address bar can be themed to match your site. <u>Learn more about theming the address bar.</u>

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. Learn how to size content for the viewport.

● 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]

Manifest doesn't have a maskable icon No manifest was fetched

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)

Site works cross-browser

To reach the most number of users, sites should work across every major browser. Learn about cross-browser compatibility.

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.

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.

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