



## Performance

Metrics			=
First Contentful Paint	1.7 s	First Meaningful Paint	1.7 s
Speed Index	1.7 s	First CPU Idle	1.7 s
Time to Interactive	1.7 s	Max Potential First Input Delay	30 ms
View Trace			

Values are estimated and may vary. The performance score is based only on these metrics.

todos	todos	todos	todos	todos	todos	todos	todos	todos	todos
ESSA a 18 A Frances	\$25,6,4 (A.S.) - 46,47	ESSA at 18 A 1 mag of	ESSE A SECURIO	EDV and Allegan	Mindre of the second	White is the annel	ESS of the State o	\$764, a 18.5, \$10 and \$1	Mindre of Administra
And and the Silver Silv	And the State of t	Addition 80 ft Signature of the Control of the Cont	Addition 80 ft Signature of the Control of the Cont	Addition 80 to 10	And and the St.	And control of the co	Addition 1971 Section 1971 Sect	And committee of the co	And and the Section of the Section o

**Opportunities** — These suggestions can help your page load faster. They don't <u>directly affect</u> the Performance score.

Opportunity	Estima	ted Savings
Eliminate render-blocking resources		0.31 s ^
Resources are blocking the first paint of your page. Consider delivering critical JS/CSS inline ar JS/styles. <u>Learn more</u> .	nd deferring all non-	critical
	Show 3rd-party res	sources (0)
URL	Size	Potential Savings
todomvc-common/base.css (localhost)	2 KB	150 ms
todomvc-app-css/index.css (localhost)	7 KB	450 ms

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

Minimize Critical Requests Depth — 10 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 more.

Maximum critical path latency: 110 ms

Initial Navigation

/todo-list-enchance/index.html?\_ijt=qfhccs49ne984jc7hijnlp2k22 (localhost)

- ...todomvc-common/base.css (localhost) 20 ms, 2.1 KB
- ...todomvc-app-css/index.css (localhost) 20 ms, 7.19 KB
- ...todomvc-common/base.js (localhost) 20 ms, 7.42 KB
- ...js/helpers.js (localhost) 20 ms, 1.9 KB
- ...js/store.js (localhost) 50 ms, 4.32 KB
- ...js/model.js (localhost) 50 ms, 3.48 KB
- ...js/template.js (localhost) 30 ms, 3.07 KB
- ...js/view.js (localhost) 50 ms, 5.96 KB
- ...js/controller.js (localhost) 50 ms, 8.67 KB
- ...js/app.js (localhost) 70 ms, 0.92 KB

Keep request counts low and transfer sizes small — 12 requests • 47 KB

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

Resource Type	Requests	Transfer Size
Total	12	47 KB
Script	8	36 KB
Stylesheet	2	9 KB
Document	1	2 KB
Other	1	0 KB
Image	0	0 KB
Media	0	0 KB
Font	0	0 KB
Third-party	0	0 KB

Passed audits (21)	
--------------------	--

Properly size images

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

Consider lazy-loading offscreen and hidden images after all critical resources ha interactive. Learn more.	ave finished loading to lower time	to
Minify CSS		
Minifying CSS files can reduce network payload sizes. <u>Learn more</u> .		
Minify JavaScript — Potential savings of 12 KB		
Minifying JavaScript files can reduce payload sizes and script parse time. <u>Learn</u>	more.	
	Show 3rd-party re	esources (0
URL	Size	Potent Savin
js/controller.js (localhost)	9 KB	5 KI
js/store.js (localhost)	4 KB	3 K
todomvc-common/base.js (localhost)	7 KB	2 KI
js/model.js (localhost)	3 KB	2 KI
Remove unused CSS — Potential savings of 8 KB		
Remove dead rules from stylesheets and defer the loading of CSS not used for	above-the-fold content to reduce	
unnecessary bytes consumed by network activity. <u>Learn more</u> .		
unnecessary bytes consumed by network activity. <u>Learn more</u> .	Show 3rd party re	<del>esources</del> (0
	Show 3rd party ro	Potent
		Potent Savin
URL	Size	Potent Savin 5 KI
URLtodomvc-app-css/index.css (localhost)todomvc-common/base.css (localhost)	Size	Potent Savin 5 KI
URLtodomvc-app-css/index.css (localhost)todomvc-common/base.css (localhost)  Efficiently encode images	Size	Potent Savin 5 KI
URLtodomvc-app-css/index.css (localhost)todomvc-common/base.css (localhost)  Efficiently encode images  Optimized images load faster and consume less cellular data. Learn more.	Size	Potent Savin
URLtodomvc-app-css/index.css (localhost)todomvc-common/base.css (localhost)  Efficiently encode images  Optimized images load faster and consume less cellular data. Learn more.  Serve images in next-gen formats  Image formats like JPEG 2000, JPEG XR, and WebP often provide better comp	Size 7 KB 2 KB	Potent Savin 5 Kl 2 Kl
URLtodomvc-app-css/index.css (localhost)todomvc-common/base.css (localhost)  Efficiently encode images Optimized images load faster and consume less cellular data. Learn more.  Serve images in next-gen formats Image formats like JPEG 2000, JPEG XR, and WebP often provide better comp faster downloads and less data consumption. Learn more.	Size 7 KB 2 KB	Potent Savin 5 Kl 2 Kl
URLtodomvc-app-css/index.css (localhost)todomvc-common/base.css (localhost)  Efficiently encode images Optimized images load faster and consume less cellular data. Learn more.  Serve images in next-gen formats Image formats like JPEG 2000, JPEG XR, and WebP often provide better comp faster downloads and less data consumption. Learn more.  Enable text compression — Potential savings of 25 KB  Text-based resources should be served with compression (gzip, deflate or brotli)	Size 7 KB 2 KB	Potent Savin 5 Kl 2 Kl
	Size 7 KB 2 KB	Potent Savin 5 Kl 2 Kl
URLtodomvc-app-css/index.css (localhost)todomvc-common/base.css (localhost)  Efficiently encode images Optimized images load faster and consume less cellular data. Learn more.  Serve images in next-gen formats Image formats like JPEG 2000, JPEG XR, and WebP often provide better comp faster downloads and less data consumption. Learn more.  Enable text compression — Potential savings of 25 KB  Text-based resources should be served with compression (gzip, deflate or brotli)	Size 7 KB 2 KB  ression than PNG or JPEG, which to minimize total network bytes.	Potent Savin 5 KI 2 KI n means
todomvc-app-css/index.css (localhost)todomvc-common/base.css (localhost)  Efficiently encode images Optimized images load faster and consume less cellular data. Learn more.  Serve images in next-gen formats Image formats like JPEG 2000, JPEG XR, and WebP often provide better comp faster downloads and less data consumption. Learn more.  Enable text compression — Potential savings of 25 KB  Text-based resources should be served with compression (gzip, deflate or brotli) more.	Size 7 KB 2 KB  aression than PNG or JPEG, which to minimize total network bytes.	Potenti Saving 5 KE 2 KE

URL	Size	Potential Savings
todomvc-common/base.js (localhost)	7 KB	4 KB
js/view.js (localhost)	6 KB	4 KB
js/store.js (localhost)	4 KB	3 KB
js/model.js (localhost)	3 KB	2 KB
js/template.js (localhost)	3 KB	2 KB
Preconnect to required origins		^
Consider adding preconnect or dns-prefetch resource hints to establish early connections to in <a href="Learn more">Learn more</a> .	mportant third-party	origins.
Server response times are low (TTFB) — Root document took 0 ms		^
Time To First Byte identifies the time at which your server sends a response. <u>Learn more</u> .		
Avoid multiple page redirects		^
Redirects introduce additional delays before the page can be loaded. <u>Learn more</u> .		
Preload key requests		^
Consider using <link rel="preload"/> to prioritize fetching resources that are currently requested more.	later in page load. <u>L</u>	<u>earn</u>
Use video formats for animated content		^
Large GIFs are inefficient for delivering animated content. Consider using MPEG4/WebM vide PNG/WebP for static images instead of GIF to save network bytes. <u>Learn more</u>	eos for animations ar	nd
Avoids enormous network payloads — Total size was 47 KB		^
Large network payloads cost users real money and are highly correlated with long load times.	Learn more.	
	Show 3rd-party re	esources (0)
URL		Size
js/controller.js (localhost)		9 KB
todomvc-common/base.js (localhost)		7 KB
todomvc-app-css/index.css (localhost)		7 KB
js/view.js (localhost)		6 KB
js/store.js (localhost)		4 KB
js/model.js (localhost)		3 KB
js/template.js (localhost)		3 KB
/todo-list-enchance/index.html?_ijt=qfhccs49ne984jc7hijnlp2k22 (localhost)		2 KB
todomvc-common/base.css (localhost)		2 KB

Uses efficient cache policy on static assets — 0 resources found

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

Avoids an excessive DOM size — 31 elements

Browser engineers recommend pages contain fewer than ~1,500 DOM elements. The sweet spot is a tree depth < 32 elements and fewer than 60 children/parent element. A large DOM can increase memory usage, cause longer <u>style</u> <u>calculations</u>, and produce costly <u>layout reflows</u>. <u>Learn more</u>.

Statistic	Element	Value
Total DOM Elements		31
Maximum DOM Depth	<a class="selected" href="#/"></a>	6
Maximum Child Elements	 body>	10

User Timing marks and measures

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

JavaScript execution time — 0.1 s

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

Show 3rd party resources (0)

URL	Total CPU Time	Script Evaluation	Script Parse
Other	398 ms	19 ms	4 ms
js/app.js (localhost)	54 ms	52 ms	1 ms

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.

Category	Time Spent
Other	227 ms
Script Evaluation	81 ms
Parse HTML & CSS	49 ms
Style & Layout	46 ms
Garbage Collection	40 ms
Script Parsing & Compilation	24 ms
Rendering	14 ms

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.

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 more</u>.



# Accessibility

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

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

The page has a logical tab order	^
Tabbing through the page follows the visual layout. Users cannot focus elements that are offscreen. <u>Learn more</u> .	
Interactive controls are keyboard focusable	^
Custom interactive controls are keyboard focusable and display a focus indicator. <u>Learn more</u> .	
Interactive elements indicate their purpose and state	^
Interactive elements, such as links and buttons, should indicate their state and be distinguishable from non-interactive elements. <u>Learn more</u> .	
The user's focus is directed to new content added to the page	^
If new content, such as a dialog, is added to the page, the user's focus is directed to it. <u>Learn more</u> .	
User focus is not accidentally trapped in a region	^
A user can tab into and out of any control or region without accidentally trapping their focus. <u>Learn more</u> .	
Custom controls have associated labels	^
Custom interactive controls have associated labels, provided by aria-label or aria-labelledby. <u>Learn more</u> .	
Custom controls have ARIA roles	^
Custom interactive controls have appropriate ARIA roles. <u>Learn more</u> .	
Visual order on the page follows DOM order	^
DOM order matches the visual order, improving navigation for assistive technology. <u>Learn more</u> .	
Offscreen content is hidden from assistive technology	^
Offscreen content is hidden with display: none or aria-hidden=true. <u>Learn more</u> .	
Headings don't skip levels	^

Headings are used to	create an outline fo	r the page and head	dina levels are r	not skipped. <u>Learn more</u> .

HTML5 landmark elements are used to improve navigation

Landmark elements (<main>, <nav>, etc.) are used to improve the keyboard navigation of the page for assistive technology. <u>Learn more</u>.

#### Passed audits (10)

[aria-\*] attributes match their roles

Each ARIA `role` supports a specific subset of `aria-\*` attributes. Mismatching these invalidates the `aria-\*` attributes. <u>Learn more</u>.

[aria-\*] attributes have valid values

Assistive technologies, like screen readers, can't interpret ARIA attributes with invalid values. Learn more.

[aria-\*] attributes are valid and not misspelled

Assistive technologies, like screen readers, can't interpret ARIA attributes with invalid names. Learn more.

The page contains a heading, skip link, or landmark region

Adding ways to bypass repetitive content lets keyboard users navigate the page more efficiently. Learn more.

Background and foreground colors have a sufficient contrast ratio

Low-contrast text is difficult or impossible for many users to read. Learn more.

Document has a <title> element

The title gives screen reader users an overview of the page, and search engine users rely on it heavily to determine if a page is relevant to their search. <u>Learn more</u>.

<html> element has a [lang] attribute

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

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

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

Form elements have associated labels

Labels ensure that form controls are announced properly by assistive technologies, like screen readers. Learn more.

[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</u>.

#### Not applicable (25)

[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. [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. Elements with [role] that require specific children [role]s, are present Some ARIA parent roles must contain specific child roles to perform their intended accessibility functions. Learn more. [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. [role] values are valid ARIA roles must have valid values in order to perform their intended accessibility functions. Learn more. <audio> elements contain a <track> element with [kind="captions"] Captions make audio elements usable for deaf or hearing-impaired users, providing critical information such as who is talking, what they're saying, and other non-speech information. Learn more. 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 more. <dl>'s contain only properly-ordered <dt> and <dd> groups, <script> or <template> elements. When definition lists are not properly marked up, screen readers may produce confusing or inaccurate output. Learn more. Definition list items are wrapped in <dl> elements Definition list items ('<dt>' and '<dd>') must be wrapped in a parent '<dl>' element to ensure that screen readers can properly announce them. Learn more. [id] attributes on the page are unique The value of an id attribute must be unique to prevent other instances from being overlooked by assistive technologies. Learn more. <frame> or <iframe> elements have a title Screen reader users rely on frame titles to describe the contents of frames. Learn more. Image elements have [alt] attributes Informative elements should aim for short, descriptive alternate text. Decorative elements can be ignored with an empty alt attribute. Learn more. <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 more. Presentational elements avoid using , <caption> or the [summary] attribute. A table being used for layout purposes should not include data elements, such as the th or caption elements or the summary attribute, because this can create a confusing experience for screen reader users. Learn more.

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 more</u> .	
Lists contain only <li>elements and script supporting elements (<script> and <template>).</td><td>^</td></tr><tr><td>Screen readers have a specific way of announcing lists. Ensuring proper list structure aids screen reader output. <u>Learn more</u>.</td><td></td></tr><tr><td>List items (<li>) are contained within <ul> or <ol> parent elements</td><td>^</td></tr><tr><td>Screen readers require list items (`<li>`) to be contained within a parent `<ul>` or `<ol>` to be announced properly. <u>Learn more</u>.</td><td></td></tr><tr><td>The document does not use <meta http-equiv="refresh"></td><td>^</td></tr><tr><td>Users do not expect a page to refresh automatically, and doing so will move focus back to the top of the page. This may create a frustrating or confusing experience. <u>Learn more</u>.</td><td></td></tr><tr><td><pre><object> elements have [alt] text</pre></td><td>^</td></tr><tr><td>Screen readers cannot translate non-text content. Adding alt text to `<object>` elements helps screen readers convey meaning to users. <u>Learn more</u>.</td><td></td></tr><tr><td>No element has a [tabindex] value greater than 0</td><td>^</td></tr><tr><td>A value greater than 0 implies an explicit navigation ordering. Although technically valid, this often creates frustrating experiences for users who rely on assistive technologies. <u>Learn more</u>.</td><td></td></tr><tr><td>Cells in a  element that use the [headers] attribute only refer to other cells of that same table.</td><td>^</td></tr><tr><td>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. Learn more.</td><td></td></tr><tr><td><pre> elements and elements with [role="columnheader"/"rowheader"] have data cells they describe.</pre></td><td>^</td></tr><tr><td>Screen readers have features to make navigating tables easier. Ensuring table headers always refer to some set of cells may improve the experience for screen reader users. <u>Learn more</u>.</td><td></td></tr><tr><td>[lang] attributes have a valid value</td><td>^</td></tr><tr><td>Specifying a valid <u>BCP 47 language</u> on elements helps ensure that text is pronounced correctly by a screen reader. <u>Lear more</u>.</td><td><u>n</u></td></tr><tr><td><pre><video> elements contain a <track> element with [kind="captions"]</pre></td><td>^</td></tr><tr><td>When a video provides a caption it is easier for deaf and hearing impaired users to access its information. <u>Learn more</u>.</td><td></td></tr><tr><td><pre><video> elements contain a <track> element with [kind="description"]</pre></td><td>^</td></tr><tr><td>Audio descriptions provide relevant information for videos that dialogue cannot, such as facial expressions and scenes. <u>Learn more</u>.</td><td></td></tr><tr><td></td><td></td></tr></tbody></table></script></li>	



### **Best Practices**

Does not use HTTP/2 for all of its resources — 12 requests not served via HTTP/2 HTTP/2 offers many benefits over HTTP/1.1, including binary headers, multiplexing, and server push. Learn more. Show 3rd-party resources (0) URL Protocol /todo-list-enchance/index.html?\_ijt=qfhccs49ne984jc7hijnlp2k22 (localhost) http/1.1 ...todomvc-common/base.css (localhost) http/1.1 http/1.1 ...todomvc-app-css/index.css (localhost) http/1.1 ...todomvc-common/base.js (localhost) http/1.1 ...js/helpers.js (localhost) http/1.1 ...js/store.js (localhost) http/1.1 ...js/model.js (localhost) http/1.1 ...js/template.js (localhost) http/1.1 ...js/view.js (localhost) ...js/controller.js (localhost) http/1.1 ...js/app.js (localhost) http/1.1 /todo-list-enchance/learn.json (localhost) http/1.1 Passed audits (14) **Avoids Application Cache** Application Cache is deprecated. Learn more. **Uses HTTPS** All sites should be protected with HTTPS, even ones that don't handle sensitive data. 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. Uses passive listeners to improve scrolling performance Consider marking your touch and wheel event listeners as `passive` to improve your page's scroll performance. Learn more. Avoids document.write() For users on slow connections, external scripts dynamically injected via 'document.write()' can delay page load by tens of seconds. Learn more. Links to cross-origin destinations are safe Add `rel="noopener"` or `rel="noreferrer"` to any external links to improve performance and prevent security vulnerabilities. Learn more.

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. <u>Learn more</u>.

Page has the  $\operatorname{HTML}$  doctype

Specifying a doctype prevents the browser from switching to quirks-mode. Read more on the MDN Web Docs page

Avoids front-end JavaScript libraries with known security vulnerabilities

Some third-party scripts may contain known security vulnerabilities that are easily identified and exploited by attackers. <u>Learn more</u>.

Detected JavaScript libraries

All front-end JavaScript libraries detected on the page.

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. <u>Learn more</u>.

Avoids deprecated APIs

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

Allows users to paste into password fields

Preventing password pasting undermines good security policy. Learn more.

No browser errors logged to the console

Errors logged to the console indicate unresolved problems. They can come from network request failures and other browser concerns.

Displays images with correct aspect ratio

Image display dimensions should match natural aspect ratio. Learn more.



#### SEC

These checks ensure that your page is optimized for search engine results ranking. There are additional factors Lighthouse does not check that may affect your search ranking. <u>Learn more</u>.

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

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</u>.

Has a <meta name="viewport"/> tag with width or initial-scale	
Add a viewport meta tag to optimize your app for mobile screens. <u>Learn more</u> .	
Document has a <title> element&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;The title gives screen reader users an overview of the page, and search engine users rely on it heavily to determine page is relevant to their search. &lt;u&gt;Learn more&lt;/u&gt;.&lt;/td&gt;&lt;td&gt;if a&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;Document has a meta description&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;Meta descriptions may be included in search results to concisely summarize page content. &lt;u&gt;Learn more&lt;/u&gt;.&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;Page has successful HTTP status code&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;Pages with unsuccessful HTTP status codes may not be indexed properly. &lt;u&gt;Learn more&lt;/u&gt;.&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;Links have descriptive text&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;Descriptive link text helps search engines understand your content. &lt;u&gt;Learn more&lt;/u&gt;.&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;Page isn't blocked from indexing&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;Search engines are unable to include your pages in search results if they don't have permission to crawl them. &lt;u&gt;Lear&lt;/u&gt;&lt;/td&gt;&lt;td&gt;n more&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;u&gt;III III OI C&lt;/u&gt;&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;Document has a valid hreflang&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;hreflang links tell search engines what version of a page they should list in search results for a given language or re&lt;br&gt;&lt;u&gt;Learn more&lt;/u&gt;.&lt;/td&gt;&lt;td&gt;gion.&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;Document avoids plugins&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;Search engines can't index plugin content, and many devices restrict plugins or don't support them. &lt;u&gt;Learn more&lt;/u&gt;.&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;t applicable (5)&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;robots.txt is valid&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;If your robots.txt file is malformed, crawlers may not be able to understand how you want your website to be crawled indexed.&lt;/td&gt;&lt;td&gt;d or&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;Image elements have [alt] attributes&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;Informative elements should aim for short, descriptive alternate text. Decorative elements can be ignored with an enattribute. &lt;u&gt;Learn more&lt;/u&gt;.&lt;/td&gt;&lt;td&gt;npty alf&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;Document has a valid rel=canonical&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;Canonical links suggest which URL to show in search results. &lt;u&gt;Learn more&lt;/u&gt;.&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;Document uses legible font sizes&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;Font sizes less than 12px are too small to be legible and require mobile visitors to "pinch to zoom" in order to read. Shave &gt;60% of page text ≥12px. Learn more.&lt;/td&gt;&lt;td&gt;Strive t&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;/tr&gt;&lt;/tbody&gt;&lt;/table&gt;</title>	

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

**Runtime Settings** 

URL http://localhost:63342/todo-list-enchance/index.html?

\_ijt=qfhccs49ne984jc7hijnlp2k22

**Fetch time** Dec 28, 2019, 1:10 PM GMT

**Device** Emulated Desktop

**Network throttling** 150 ms TCP RTT, 1,638.4 Kbps throughput (Simulated)

**CPU throttling** 4x slowdown (Simulated)

User agent (host) Mozilla/5.0 (X11; Linux x86\_64) AppleWebKit/537.36 (KHTML, like Gecko)

Chrome/78.0.3904.108 Safari/537.36

User agent (network) Mozilla/5.0 (Macintosh; Intel Mac OS X 10\_13\_6) AppleWebKit/537.36 (KHTML,

like Gecko) Chrome/74.0.3694.0 Safari/537.36 Chrome-Lighthouse

CPU/Memory Power 425

Generated by **Lighthouse** 5.2.0 | File an issue