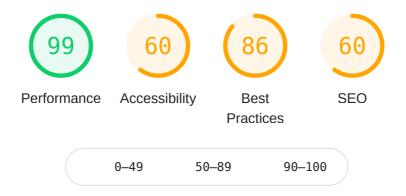
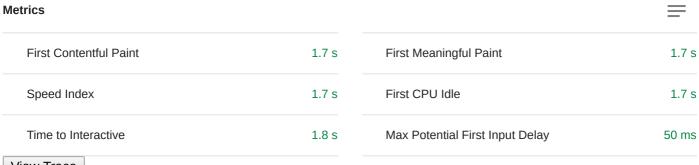


http://localhost:63342/todo-list-enchance/index.html?\_ijt=121rg0mofdan94tj1i3krcqura#/completed





## Performance



### View Trace

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



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

Opportunity

Eliminate render-blocking resources

0.3 s ^

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

	Show 3rd-party re	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: 140 ms

Initial Navigation

/todo-list-enchance/index.html?\_ijt=121rg0mofdan94tj1i3krcqura (localhost)

- ...todomvc-common/base.css (localhost) 0 ms, 2.1 KB
- ...todomvc-app-css/index.css (localhost) 30 ms, 7.19 KB
- ...todomvc-common/base.js (localhost) 30 ms, 7.42 KB
- ...js/helpers.js (localhost) 20 ms, 1.9 KB
- ...js/store.js (localhost) 20 ms, 4.63 KB
- ...js/model.js (localhost) 30 ms, 3.43 KB
- ...js/template.js (localhost) 30 ms, 3.08 KB
- ...js/view.js (localhost) 50 ms, 5.91 KB
- ...js/controller.js (localhost) 50 ms, 7.29 KB
- ...js/app.js (localhost) 60 ms, 0.93 KB

Keep request counts low and transfer sizes small — 12 requests • 46 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	46 KB
Script	8	35 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

Properly size images

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

Defer offscreen images		
Consider lazy-loading offscreen and hidden images after all critical resources have a second of the control of	nave finished loading to lower time	to
interactive. <u>Learn more</u> .		
Minify CSS		
Minifying CSS files can reduce network payload sizes. <u>Learn more</u> .		
Minify JavaScript — Potential savings of 11 KB		
Minifying JavaScript files can reduce payload sizes and script parse time. Learn	n more.	
	Show 3rd-party re	<del>esources</del> (C
URL	Size	Potent Savin
js/controller.js (localhost)	7 KB	3 K
js/store.js (localhost)	5 KB	3 K
todomvc-common/base.js (localhost)	7 KB	2 K
js/model.js (localhost)	3 KB	2 K
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	
	above-the-fold content to reduce	
	above-the-fold content to reduce  Show 3rd party re	esources (C
unnecessary bytes consumed by network activity. <u>Learn more</u> .		Potent
unnecessary bytes consumed by network activity. <u>Learn more</u> .  URL	Show 3rd party re	Potent Savin
unnecessary bytes consumed by network activity. Learn more.  URL todomvc-app-css/index.css (localhost)	Show 3rd party re Size 7 KB	Potent Savin 5 Kl
unnecessary bytes consumed by network activity. <u>Learn more</u> .  URL	Show 3rd party re	Potent Savin 5 Kl
unnecessary bytes consumed by network activity. Learn more.  URL todomvc-app-css/index.css (localhost) todomvc-common/base.css (localhost)	Show 3rd party re Size 7 KB	Potent Savin 5 K
unnecessary bytes consumed by network activity. Learn more.  URLtodomvc-app-css/index.css (localhost)todomvc-common/base.css (localhost)	Show 3rd party re Size 7 KB	Potent Savin 5 K
unnecessary bytes consumed by network activity. Learn more.  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.	Show 3rd party re Size 7 KB	Potent Savin 5 K
unnecessary bytes consumed by network activity. Learn more.  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 compared.	Show 3rd party re Size 7 KB 2 KB	Poteni Savin 5 K 2 K
unnecessary bytes consumed by network activity. Learn more.  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 complianter downloads and less data consumption. Learn more.	Show 3rd party re Size 7 KB 2 KB	Poteni Savin 5 K 2 K
unnecessary bytes consumed by network activity. Learn more.  URL 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 complete faster downloads and less data consumption. Learn more.  Enable text compression — Potential savings of 24 KB  Text-based resources should be served with compression (gzip, deflate or brother)	Show 3rd party re Size 7 KB 2 KB	Poteni Savin 5 K 2 K
	Show 3rd party re Size 7 KB 2 KB	Poteni Savin 5 K 2 K
unnecessary bytes consumed by network activity. Learn more.  URL 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 compfaster downloads and less data consumption. Learn more.  Enable text compression — Potential savings of 24 KB  Text-based resources should be served with compression (gzip, deflate or brotlimore.	Show 3rd party re Size 7 KB 2 KB  pression than PNG or JPEG, which	Potent Savin 5 K 2 K 2 K
unnecessary bytes consumed by network activity. Learn more.  URL 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 complete faster downloads and less data consumption. Learn more.  Enable text compression — Potential savings of 24 KB  Text-based resources should be served with compression (gzip, deflate or brother)	Show 3rd party re Size 7 KB 2 KB  pression than PNG or JPEG, which i) to minimize total network bytes.	Potent Savin 5 KI 2 KI

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 im <u>Learn more</u> .	nportant 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 lamore.	ater in page load. <u>L</u> e	<u>earn</u>
Use video formats for animated content		^
Large GIFs are inefficient for delivering animated content. Consider using MPEG4/WebM video PNG/WebP for static images instead of GIF to save network bytes. <u>Learn more</u>	os for animations an	nd
Avoids enormous network payloads — Total size was 46 KB		^
Large network payloads cost users real money and are highly correlated with long load times.	<u>Learn more</u> .	
	Show 3rd-party re	sources (0)
URL		Size
todomvc-common/base.js (localhost)		7 KB
js/controller.js (localhost)		7 KB
todomvc-app-css/index.css (localhost)		7 KB
js/view.js (localhost)		6 KB
js/store.js (localhost)		5 KB
js/model.js (localhost)		3 KB
js/template.js (localhost)		3 KB
todomvc-common/base.css (localhost)		2 KB
/todo-list-enchance/index.html?_ijt=121rg0mofdan94tj1i3krcqura (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  $\sim$ 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="" href="#/"></a>	6
Maximum Child Elements	<body></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 — 0.2 s

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

Show 3rd party resources (0)

URL	Total CPU Time	Script Evaluation	Script Parse
0ther	821 ms	42 ms	10 ms
js/app.js (localhost)	125 ms	120 ms	5 ms

Minimizes main-thread work — 1.0 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	549 ms
Script Evaluation	198 ms
Parse HTML & CSS	73 ms
Script Parsing & Compilation	58 ms
Style & Layout	52 ms
Garbage Collection	51 ms
Rendering	45 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. Learn more.



# 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.

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.

- Production - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
Form elements do not have associated labels
Labels ensure that form controls are announced properly by assistive technologies, like screen readers. <u>Learn more</u> .

Failing Elements input.new-todo

ditional items to manually check (11) — These items address areas which an automated testing tool cannot cover. Lear are in our guide on conducting an accessibility review.	n ^
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 for the page and heading levels are 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 technologies.</nav></main>	ology.
Passed audits (5)	^
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</u> .	
Background and foreground colors have a sufficient contrast ratio	^
Low-contrast text is difficult or impossible for many users to read. <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 if a page is relevant to their search. &lt;u&gt;Learn more&lt;/u&gt;.&lt;/td&gt;&lt;td&gt;l&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;&lt;html&gt; element has a [lang] attribute&lt;/td&gt;&lt;td&gt;^&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;If a page doesn't specify a lang attribute, a screen reader assumes that the page is in the default language that the use chose when setting up the screen reader. If the page isn't actually in the default language, then the screen reader might announce the page's text correctly. Learn more.&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;&lt;html&gt; element has a valid value for its [lang] attribute&lt;/td&gt;&lt;td&gt;^&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;Specifying a valid &lt;u&gt;BCP 47 language&lt;/u&gt; helps screen readers announce text 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;Not applicable (29)&lt;/td&gt;&lt;td&gt;^&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;[accesskey] values are unique&lt;/td&gt;&lt;td&gt;^&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;Access keys let users quickly focus a part of the page. For proper navigation, each access key must be unique. Learn r&lt;/td&gt;&lt;td&gt;more.&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;[aria-*] attributes match their roles&lt;/td&gt;&lt;td&gt;^&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;Each ARIA `role` supports a specific subset of `aria-*` attributes. Mismatching these invalidates the `aria-*` attributes. &lt;u&gt;L&lt;/u&gt; more.&lt;/td&gt;&lt;td&gt;&lt;u&gt;earn&lt;/u&gt;&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;[role]s have all required [aria-*] attributes&lt;/td&gt;&lt;td&gt;^&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;Some ARIA roles have required attributes that describe the state of the element to screen readers. Learn more.&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;/tr&gt;&lt;/tbody&gt;&lt;/table&gt;</title>	

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. <u>Learn more</u> .	
[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 function <a href="Learn more">Learn more</a> .	S.
[role] values are valid	^
ARIA roles must have valid values in order to perform their intended accessibility functions. <u>Learn more</u> .	
[aria-*] attributes have valid values	^
Assistive technologies, like screen readers, can't interpret ARIA attributes with invalid values. <u>Learn more</u> .	
[aria-*] attributes are valid and not misspelled	^
Assistive technologies, like screen readers, can't interpret ARIA attributes with invalid names. <u>Learn more</u> .	
<audio> elements contain a <track/> element with [kind="captions"]</audio>	^
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. <u>Learn more</u> .	
Buttons have an accessible name	^
When a button doesn't have an accessible name, screen readers announce it as "button", making it unusable for users w rely on screen readers. <u>Learn more</u> .	ho
<pre><dl>'s contain only properly-ordered <dt> and <dd> groups, <script> or <template> elements.</pre></td><td>^</td></tr><tr><td>When definition lists are not properly marked up, screen readers may produce confusing or inaccurate output. Learn more</td><td><u>e</u>.</td></tr><tr><td>Definition list items are wrapped in <dl> elements</td><td>^</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. <u>Learn more</u>.</td><td></td></tr><tr><td>[id] attributes on the page are unique</td><td>^</td></tr><tr><td>The value of an id attribute must be unique to prevent other instances from being overlooked by assistive technologies.  <u>Learn more</u>.</td><td></td></tr><tr><td><frame> or <iframe> elements have a title</td><td>^</td></tr><tr><td>Screen reader users rely on frame titles to describe the contents of frames. <u>Learn more</u>.</td><td></td></tr><tr><td>Image elements have [alt] attributes</td><td>^</td></tr><tr><td>Informative elements should aim for short, descriptive alternate text. Decorative elements can be ignored with an empty a attribute. <u>Learn more</u>.</td><td>ılt</td></tr><tr><td><input type="image"> elements have [alt] text</td><td>^</td></tr><tr><td>When an image is being used as an `<input>` button, providing alternative text can help screen reader users understand purpose of the button. <u>Learn more</u>.</td><td>the</td></tr><tr><td>Presentational  elements avoid using , <caption> or the [summary] attribute.</td><td>^</td></tr><tr><td></td><td></td></tr></tbody></table></script></dd></dt></dl></pre>	

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. Learn more. Lists contain only elements and script supporting elements (<script> and <template>). Screen readers have a specific way of announcing lists. Ensuring proper list structure aids screen reader output. Learn more. List items () are contained within or parent elements Screen readers require list items (`') to be contained within a parent '' or '' to be announced properly. Learn more. 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. [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. Learn more. <object> elements have [alt] text Screen readers cannot translate non-text content. Adding all text to `<object>` elements helps screen readers convey meaning to users. Learn more. 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. Cells in a element that use the [headers] attribute only refer to other cells of that 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. Learn more. elements and elements with [role="columnheader"/"rowheader"] have data cells they describe. Screen readers have features to make navigating tables easier. Ensuring table headers always refer to some set of cells may improve the experience for screen reader users. Learn more. [lang] attributes have a valid value Specifying a valid BCP 47 language on elements helps ensure that text is pronounced correctly by a screen reader. Learn more. <video> elements contain a <track> element with [kind="captions"] When a video provides a caption it is easier for deaf and hearing impaired users to access its information. Learn more. <video> elements contain a <track> element with [kind="description"]

Audio descriptions provide relevant information for videos that dialogue cannot, such as facial expressions and scenes. <u>Learn more</u>.



## **Best Practices**

HTTP/2 offers many benefits over HTTP/1	1, including binary headers, multiplexing, and server push.	<u>Learn more</u> .
	Show	3rd-party resources
URL		Protocol
/todo-list-enchance/index.html?_ijt=121rg	g0mofdan94tj1i3krcqura (localhost)	http/1.1
todomvc-common/base.css (localhost)		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)		http/1.1
js/controller.js (localhost)		http/1.1
js/app.js (localhost)		http/1.1
/todo-list-enchance/learn.json (localhost)		http/1.1
Browser errors were logged to the console	<b>)</b>	
Errors logged to the console indicate unre concerns.	solved problems. They can come from network request failu	res and other browse
	Show	3rd-party resources
URL	Description	
/todo-list-enchance/learn.json (localhost)	Failed to load resource: the server responded (Not Found)	with a status of 4
sed audits (13)		

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. Learn more. Page has the 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. Learn more. **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. Learn more. 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. Displays images with correct aspect ratio Image display dimensions should match natural aspect ratio. Learn more.



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>.

**Mobile Friendly** — Make sure your pages are mobile friendly so users don't have to pinch or zoom in order to read the content pages. <u>Learn more</u>.

. `		
<u> </u>	Does not have a <meta name="viewport"/> tag with width or initial-scale No viewport meta tag found	^
	Add a viewport meta tag to optimize your app for mobile screens. <u>Learn more</u> .	
_	Document doesn't use legible font sizes	
	Text is illegible because there's no viewport meta tag optimized for mobile screens.	^
	Font sizes less than 12px are too small to be legible and require mobile visitors to "pinch to zoom" in order to read. Strive thave >60% of page text ≥12px. Learn more.	to
_	Tap targets are not sized appropriately	
	Tap targets are too small because there's no viewport meta tag optimized for mobile screens	^
	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> .	ļ
Со	ntent Best Practices — Format your HTML in a way that enables crawlers to better understand your app's content.	
<b>A</b>	Document does not have a meta description	^
	Meta descriptions may be included in search results to concisely summarize page content. <u>Learn more</u> .	
	ditional items to manually check (1) — Run these additional validators on your site to check additional SEO best actices.	^
	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> .	
Pa	ssed audits (6)	^
	Document has a <title> element&lt;/td&gt;&lt;td&gt;^&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;&lt;/td&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 if a page is relevant to their search. &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;&lt;/td&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;&lt;/td&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;&lt;/td&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;&lt;/td&gt;&lt;td&gt;Descriptive link text helps search engines understand your content. Learn more.&lt;/td&gt;&lt;td&gt;&lt;/td&gt;&lt;/tr&gt;&lt;/tbody&gt;&lt;/table&gt;</title>	

Page isn't blocked fr	om indexina
-----------------------	-------------

Search engines are unable to include your pages in search results if they don't have permission to crawl them. Learn more.

#### Document has a valid hreflang

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

#### Document avoids plugins

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

#### Not applicable (3)

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.

#### Image elements have [alt] attributes

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

#### Document has a valid rel=canonical

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

### Runtime Settings

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

\_ijt=121rg0mofdan94tj1i3krcqura#/completed

**Fetch time** Dec 30, 2019, 2:48 PM GMT

**Device** Emulated Nexus 5X

**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 (Linux; Android 6.0.1; Nexus 5 Build/MRA58N) AppleWebKit/537.36

(KHTML, like Gecko) Chrome/74.0.3694.0 Mobile Safari/537.36 Chrome-

Lighthouse

CPU/Memory Power 348