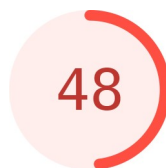


 http://p8oc/

Performance



Accessibility



Best Practices

Progressive
Web App

0–49

50–89

90–100

Print Summary

Print Expanded

Copy JSON

Save as HTML

Save as JSON

Open in Viewer

Toggle Dark Theme



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

20 ms

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 [directly affect](#) the Performance score.

Opportunity Estimated Savings

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. [Learn more](#).

☐ Show 3rd-party resources (0)

URL	Size	Potential Savings
...todomvc-common/base.css (p8oc)	2 KB	150 ms
...todomvc-app-css/index.css (p8oc)	7 KB	450 ms

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

Serve static assets with an efficient cache policy — **10 resources found** ^

A long cache lifetime can speed up repeat visits to your page. [Learn more](#).

☐ Show 3rd-party resources (0)

URL	Cache TTL	Size
...todomvc-common/base.js (p8oc)	None	7 KB
/js/controller.js (p8oc)	None	7 KB
...todomvc-app-css/index.css (p8oc)	None	7 KB
/js/view.js (p8oc)	None	6 KB
/js/store.js (p8oc)	None	4 KB
/js/model.js (p8oc)	None	3 KB
/js/template.js (p8oc)	None	3 KB

URL	Cache TTL	Size
...todomvc-common/base.css (p8oc)	None	2 KB
/js/helpers.js (p8oc)	None	2 KB
/js/app.js (p8oc)	None	1 KB

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: **120 ms**

Initial Navigation

http://p8oc

...todomvc-common/base.css (p8oc) - **10 ms, 2.06 KB**

...todomvc-app-css/index.css (p8oc) - **10 ms, 6.67 KB**

...todomvc-common/base.js (p8oc) - **10 ms, 7.38 KB**

/js/helpers.js (p8oc) - **10 ms, 1.86 KB**

/js/store.js (p8oc) - **0 ms, 4.27 KB**

/js/model.js (p8oc) - **0 ms, 3.39 KB**

/js/template.js (p8oc) - **0 ms, 3.05 KB**

/js/view.js (p8oc) - **0 ms, 5.91 KB**

/js/controller.js (p8oc) - **0 ms, 7.29 KB**

/js/app.js (p8oc) - **0 ms, 0.89 KB**

Keep request counts low and transfer sizes small — 12 requests • 45 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	45 KB
Script	8	34 KB
Stylesheet	2	9 KB

Resource Type	Requests	Transfer Size
Document	1	2 KB
Other	1	1 KB
Image	0	0 KB
Media	0	0 KB
Font	0	0 KB
Third-party	0	0 KB

Passed audits (20)

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 finished loading to lower time to interactive. [Learn more](#).

Minify CSS

Minifying CSS files can reduce network payload sizes. [Learn more](#).

Minify JavaScript — Potential savings of 10 KB

Minifying JavaScript files can reduce payload sizes and script parse time. [Learn more](#).

☐ Show 3rd-party resources (0)

URL	Size	Potential Savings
-----	------	-------------------

URL	Size	Potential Savings
/js/controller.js (p8oc)	7 KB	3 KB
/js/store.js (p8oc)	4 KB	2 KB
...todomvc-common/base.js (p8oc)	7 KB	2 KB
/js/model.js (p8oc)	3 KB	2 KB

Remove unused CSS

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.

[Learn more](#).

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 compression than PNG or JPEG, which means 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 brotli) to minimize total network bytes. [Learn more](#).

☐ Show 3rd-party resources (0)

URL	Size	Potential Savings
/js/controller.js (p8oc)	7 KB	5 KB
...todomvc-app-css/index.css (p8oc)	6 KB	4 KB
...todomvc-common/base.js (p8oc)	7 KB	4 KB
/js/view.js (p8oc)	6 KB	4 KB

URL	Size	Potential Savings
/js/store.js (p8oc)	4 KB	3 KB
/js/model.js (p8oc)	3 KB	2 KB
/js/template.js (p8oc)	3 KB	2 KB
Preconnect to required origins ^		
Consider adding `preconnect` or `dns-prefetch` resource hints to establish early connections to important third-party origins. Learn more .		
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. Learn more .		
Avoid multiple page redirects ^		
Redirects introduce additional delays before the page can be loaded. Learn more .		
Preload key requests ^		
Consider using ` <link rel="preload"/> ` to prioritize fetching resources that are currently requested later in page load. Learn more .		
Use video formats for animated content ^		
Large GIFs are inefficient for delivering animated content. Consider using MPEG4/WebM videos for animations and PNG/WebP for static images instead of GIF to save network bytes. Learn more		
Avoids enormous network payloads — Total size was 45 KB ^		
Large network payloads cost users real money and are highly correlated with long load times. Learn more .		
<input type="checkbox"/> Show 3rd-party resources (0)		

URL	Size
...todomvc-common/base.js (p8oc)	7 KB
/js/controller.js (p8oc)	7 KB
...todomvc-app-css/index.css (p8oc)	7 KB
/js/view.js (p8oc)	6 KB
/js/store.js (p8oc)	4 KB
/js/model.js (p8oc)	3 KB
/js/template.js (p8oc)	3 KB
...todomvc-common/base.css (p8oc)	2 KB
/js/helpers.js (p8oc)	2 KB
http://p8oc	2 KB

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 [style calculations](#), and produce costly [layout reflows](#). [Learn more](#).

Statistic	Element	Value
Total DOM Elements		31
Maximum DOM Depth		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. [Learn more](#).

JavaScript execution time — 0.0 s

Consider reducing the time spent parsing, compiling, and executing JS. You may find

delivering smaller JS payloads helps with this. [Learn more](#).

☒ Show 3rd-party resources (0)

URL	Total CPU Time	Script Evaluation	Script Parse
Other	420 ms	16 ms	3 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.

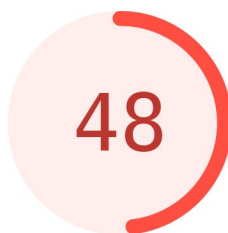
Category	Time Spent
Other	340 ms
Parse HTML & CSS	38 ms
Script Evaluation	35 ms
Script Parsing & Compilation	27 ms
Rendering	12 ms
Style & Layout	12 ms

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.

Contrast — These are opportunities to improve the legibility of your content.

- ▲ Background and foreground colors do not have a sufficient contrast ratio. ^

Low-contrast text is difficult or impossible for many users to read. [Learn more](#).

Failing Elements

Double-click to edit a todo

```
<p>Double-click to edit a todo</p>
```

Created by Oscar Godson

```
<p>Created by Oscar Godson</p>
```

Refactored by Christoph Burgmer

```
<p>Refactored by Christoph Burgmer</p>
```

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.

- ▲ Form elements do not have associated labels ^

Labels ensure that form controls are announced properly by assistive technologies, like screen readers. [Learn more](#).

Failing Elements

Failing Elements

input

```
<input class="new-todo" placeholder="What needs to be done?" autofocus="">
```

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. [Learn more](#).

Interactive controls are keyboard focusable

Custom interactive controls are keyboard focusable and display a focus indicator. [Learn more](#).

Interactive elements indicate their purpose and state

Interactive elements, such as links and buttons, should indicate their state and be distinguishable from non-interactive elements. [Learn more](#).

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 more](#).

User focus is not accidentally trapped in a region

A user can tab into and out of any control or region without accidentally trapping their focus. [Learn more](#).

Custom controls have associated labels

Custom interactive controls have associated labels, provided by aria-label or aria-labelledby. [Learn more](#).

Custom controls have ARIA roles

Custom interactive controls have appropriate ARIA roles. [Learn more.](#)

Visual order on the page follows DOM order ^

DOM order matches the visual order, improving navigation for assistive technology. [Learn more.](#)

Offscreen content is hidden from assistive technology ^

Offscreen content is hidden with display: none or aria-hidden=true. [Learn more.](#)

Headings don't skip levels ^

Headings are used to create an outline for the page and heading levels are not skipped. [Learn more.](#)

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.](#)

Passed audits (4) ^

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

Adding ways to bypass repetitive content lets keyboard users navigate the page more efficiently. [Learn more.](#)

Document has a <title> element ^

The title gives screen reader users an overview of the page, and search engine users rely on it heavily to determine if a page is relevant to their search. [Learn more.](#)

<html> element has a [lang] attribute ^

If a page doesn't specify a lang attribute, a screen reader assumes that the page is in the default language that the user chose when setting up the screen reader. If the page isn't actually in the default language, then the screen reader might not

announce the page's text correctly. [Learn more](#).

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

Specifying a valid [BCP 47 language](#) helps screen readers announce text properly. [Learn more](#).

Not applicable (29) ^

[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](#).

[aria-*] attributes match their roles ^

Each ARIA `role` supports a specific subset of `aria-*` attributes. Mismatching these invalidates the `aria-*` attributes. [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 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](#).

[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](#).

[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](#).

<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 `<table>` elements avoid using `<th>`, `<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. [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 alt 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 `<table>` element that use the `[headers]` attribute refer to table cells within the same table. ^

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

`<th>` 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. [Learn more](#).



Best Practices

▲ Does not use HTTPS — 12 insecure requests found ^

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.](#)

☐ Show 3rd-party resources (0)

Insecure URL

http://p8oc

...todomvc-common/base.css (p8oc)

...todomvc-app-css/index.css (p8oc)

...todomvc-common/base.js (p8oc)

/js/helpers.js (p8oc)

/js/store.js (p8oc)

/js/model.js (p8oc)

/js/template.js (p8oc)

/js/view.js (p8oc)

/js/controller.js (p8oc)

/js/app.js (p8oc)

/learn.json (p8oc)

▲ 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
http://p8oc	http/1.1
...todomvc-common/base.css (p8oc)	http/1.1
...todomvc-app-css/index.css (p8oc)	http/1.1
...todomvc-common/base.js (p8oc)	http/1.1
/js/helpers.js (p8oc)	http/1.1
/js/store.js (p8oc)	http/1.1
/js/model.js (p8oc)	http/1.1
/js/template.js (p8oc)	http/1.1
/js/view.js (p8oc)	http/1.1
/js/controller.js (p8oc)	http/1.1
/js/app.js (p8oc)	http/1.1
/learn.json (p8oc)	http/1.1

▲ Browser errors were logged to the console ^

Errors logged to the console indicate unresolved problems. They can come from network request failures and other browser concerns. [Learn more](#)

☐ Show 3rd-party resources (0)

URL	Description
/learn.json (p8oc)	Failed to load resource: the server responded with a status of 404 (Not Found)

Passed audits (12) ^

Avoids Application Cache ^

Application Cache is deprecated. [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. [Learn more](#).

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. [Learn more](#).

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.](#)



SEO

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. [Learn more.](#)

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. [Learn more.](#)

Does not have a `<meta name="viewport">` tag with width or initial-scale



No `<meta name="viewport">` tag found



Add a ``<meta name="viewport">`` tag to optimize your app for mobile screens. [Learn more](#).

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 to have >60% of page text ≥ 12 px. [Learn more](#).

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. [Learn more](#).

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

- ▲ Document does not have a meta description ^

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

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

Passed audits (6)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.](#)

Page has successful HTTP status code



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

Links have descriptive text



Descriptive link text helps search engines understand your content. [Learn more.](#)

Page isn't blocked from indexing



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

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.](#)

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. [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.](#)

Document has a valid rel=canonical ^

Canonical links suggest which URL to show in search results. [Learn more.](#)



Progressive Web App

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

Fast and reliable

Page load is fast enough on mobile networks ^

A fast page load over a cellular network ensures a good mobile user experience. [Learn more.](#)

▲ Current page does not respond with a 200 when offline ^

If you're building a Progressive Web App, consider using a service worker so that your app can work offline. [Learn more.](#)

▲ **start_url** does not respond with a 200 when offline

No usable web app manifest found on page.

A service worker enables your web app to be reliable in unpredictable network conditions. [Learn more](#).

Installable

▲ Does not use HTTPS — 12 insecure requests found

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](#).

☐ Show 3rd-party resources (0)

Insecure URL

http://p8oc

...todomvc-common/base.css (p8oc)

...todomvc-app-css/index.css (p8oc)

...todomvc-common/base.js (p8oc)

/js/helpers.js (p8oc)

/js/store.js (p8oc)

/js/model.js (p8oc)

/js/template.js (p8oc)

/js/view.js (p8oc)

/js/controller.js (p8oc)

/js/app.js (p8oc)

/learn.json (p8oc)

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

The service worker is the technology that enables your app to use many Progressive

Web App features, such as offline, add to homescreen, and push notifications. [Learn more](#).

▲ Web app manifest does not meet the installability requirements ^

Failures: No manifest was fetched.

Browsers can proactively prompt users to add your app to their homescreen, which can lead to higher engagement. [Learn more](#).

PWA Optimized

▲ Does not redirect HTTP traffic to HTTPS ^

If you've already set up HTTPS, make sure that you redirect all HTTP traffic to HTTPS in order to enable secure web features for all your users. [Learn more](#).

▲ 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](#).

▲ 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. [Learn more](#).

▲ Content is not sized correctly for the viewport ^

The viewport size of 981px does not match the window size of 412px.

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 more](#).

▲ Does not have a `<meta name="viewport">` tag with width or initial-scale ^

No ``<meta name="viewport">`` tag found

Add a ``<meta name="viewport">`` tag to optimize your app for mobile screens. [Learn more](#).

Contains some content when JavaScript is not available ^

Your app should display some content when JavaScript is disabled, even if it's just a warning to the user that JavaScript is required to use the app. [Learn more](#).

▲ Does not provide a valid `apple-touch-icon` ^

For ideal appearance on iOS when users add a progressive web app to the home screen, define an `apple-touch-icon`. It must point to a non-transparent 192px (or 180px) square PNG. [Learn More](#).

Additional items to manually check (3) — 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. ^

Site works cross-browser ^

To reach the most number of users, sites should work across every major browser. [Learn more](#).

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](#).

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](#).

Runtime Settings

URL	http://p8oc/
Fetch time	Oct 16, 2019, 11:46 AM GMT+2
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 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/77.0.3865.120 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	442

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