

http://localhost:5064/









Performance

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

90-100



METRICS

First Contentful Paint

0.4 s

Speed Index

 $0.7 \, s$

Largest Contentful Paint

2.0 s

Time to Interactive

0.4 s

Total Blocking Time

0 ms

Cumulative Layout Shift

0.036

View Treemap

View Original Trace





















Expand view

Show audits relevant to:

All FCP TBT LCP CLS

OPPORTUNITIES

Opportunity **Estimated Savings**

Serve images in next-gen formats

1.16 s 🔨

about:blank

1/27

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</u>.

	URL	Resource Size	Potential Savings
img.blob- image.blob- image-1	assets/Asset%201.png (localhost)	535.2 KiB	471.5 KiB
img. blob - ima ge.b	assets/Asset%202.png (localhost)	314.6 KiB	278.8 KiB
img. blob - ima ge.b lob-image-4	assets/Asset%204.png (localhost)	283.9 KiB	252.8 KiB
img.blob- image.blob -image-5	assets/Asset%205.png (localhost)	254.0 KiB	220.7 KiB
img. blob - ima ge.b	assets/Asset%203.png (localhost)	211.0 KiB	186.9 KiB

▲ Properly size images 1.08 s ^

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

about:blank 2/27

23 16:15	about:blank		
	URL	Resource Size	Potential Savings
img.blob- image.blob- image-1	assets/Asset%201.png (localhost)	535.2 KiB	398.2 KiB
img. blob - ima ge.b lob-image-2	assets/Asset%202.png (localhost)	314.6 KiB	279.2 KiB
img. blob ima ge.b	assets/Asset%204.png (localhost)	283.9 KiB	254.3 KiB
img. blob ima ge.b	assets/Asset%203.png (localhost)	211.0 KiB	209.1 KiB
img.blob- image.blob -image-5	assets/Asset%205.png (localhost)	254.0 KiB	193.5 KiB

Enable text compression 0.24 s ^

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

URL	Transfer Size	Potential Savings
css/bootstrap.min.css (localhost)	158.9 KiB	135.6 KiB
dist/jquery.min.js (localhost)	87.4 KiB	57.2 KiB

about:blank 3/27

URL	Transfer Size	Potential Savings
js/bootstrap.bundle.min.js (localhost)	76.6 KiB	54.7 KiB
/_framework/aspnetcore-browser-refresh.js (localhost)	11.7 KiB	7.5 KiB
http://localhost:5064	5.1 KiB	3.7 KiB
/css/site.css?v=-8Xgjb6RK (localhost)	2.8 KiB	1.9 KiB
/css/site.css (localhost)	2.8 KiB	1.9 KiB
/js/gdpr.js (localhost)	2.4 KiB	1.8 KiB

Eliminate render-blocking resources

0.18 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. (FCP) (LCP)

URL	Transfer Size	Potential Savings
css/bootstrap.min.css (localhost)	159.1 KiB	200 ms
/css/site.css?v=-8Xgjb6RK (localhost)	3.0 KiB	80 ms

Reduce unused CSS

0.16 s ^

Reduce unused rules from stylesheets and defer CSS not used for above-the-fold content to decrease bytes consumed by network activity. <u>Learn more</u>. FCP [LCP]

URL	Transfer Size	Potential Savings
css/bootstrap.min.css (localhost)	159.1 KiB	143.0 KiB

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

DIAGNOSTICS

Image elements do not have explicit width and height

Set an explicit width and height on image elements to reduce layout shifts and improve CLS. Learn more CLS



▲ Serve static assets with an efficient cache policy — 17 resources found

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

URL	Cache TTL	Transfer Size
assets/Asset%201.png (localhost)	None	535 KiB
assets/Asset%202.png (localhost)	None	315 KiB
assets/Asset%204.png (localhost)	None	284 KiB
assets/Asset%205.png (localhost)	None	254 KiB
assets/Asset%203.png (localhost)	None	211 KiB
css/bootstrap.min.css (localhost)	None	159 KiB
dist/jquery.min.js (localhost)	None	88 KiB
js/bootstrap.bundle.min.js (localhost)	None	77 KiB
assets/scrollicon.png (localhost)	None	39 KiB
/css/site.css (localhost)	None	3 KiB
/css/site.css?v=-8Xgjb6RK (localhost)	None	3 KiB
/js/gdpr.js (localhost)	None	3 KiB
/js/site.js (localhost)	None	1 KiB
/js/site.js?v=u2Yv_NbOw (localhost)	None	1 KiB

about:blank 5/27

URL	Cache TTL	Transfer Size
logos/logo.svg (localhost)	None	1 KiB
/css/gdpr.css (localhost)	None	1 KiB
logos/icon.svg (localhost)	None	1 KiB

O Avoid chaining critical requests — 9 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. <u>Learn more</u>. FCP LCP

Maximum critical path latency: 50 ms

Initial Navigation

http://localhost:5064

...css/bootstrap.min.css (localhost) - 10 ms, 159.12 KiB

/css/site.css?v=-8Xgjb6RK... (localhost) - 0 ms, 3.02 KiB

/css/site.css (localhost) - 10 ms, 3.02 KiB

/js/site.js (localhost) - 10 ms, 1.38 KiB

/css/gdpr.css (localhost) - 10 ms, 1.11 KiB

...dist/jquery.min.js (localhost) - 10 ms, 87.62 KiB

...js/bootstrap.bundle.min.js (localhost) - 10 ms, 76.85 KiB

/js/site.js?v=u2Yv_NbOw... (localhost) - 10 ms, 1.38 KiB

/_framework/aspnetcore-browser-refresh.js (localhost) - 0 ms, 11.86 KiB

Keep request counts low and transfer sizes small — 19 requests • 1,994 KiB

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

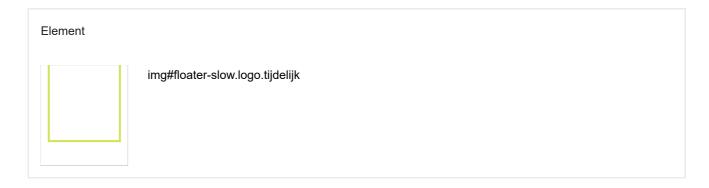
Resource Type	Requests	Transfer Size
Total	19	1,993.9 KiB
Image	8	1,640.6 KiB
Script	6	181.7 KiB
Stylesheet	4	166.3 KiB

about:blank 6/27

Resource Type	Requests	Transfer Size
Document	1	5.3 KiB
Media	0	0.0 KiB
Font	0	0.0 KiB
Other	0	0.0 KiB
Third-party	0	0.0 KiB

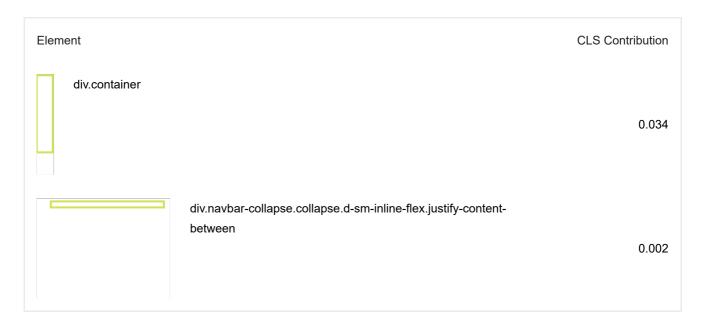
O Largest Contentful Paint element — 1 element found

This is the largest contentful element painted within the viewport. Learn More [LCP]



O Avoid large layout shifts — 2 elements found

These DOM elements contribute most to the CLS of the page. [CLS]



O Avoid long main-thread tasks — 1 long task found

Lists the longest tasks on the main thread, useful for identifying worst contributors to input delay. Learn more [TBT]

	URL	Start Time	Duration
	chrome-extension://bmnlcjabgnpnenekpadlanbbkooimhnj/browser-polyfill.js	240 ms	130 ms
0	Avoid non-composited animations — 1 animated element found		^
	Animations which are not composited can be janky and increase CLS. <u>Learn more</u> <u>CLS</u>		
	Element	Name	•
	div.background		
	Unsupported CSS Properties: background-position-x, background-position-y	Anir	nateBG
More	e information about the performance of your application. These numbers don't <u>directly aff</u>	fect the Performance s	core.
PAS	SSED AUDITS (27)		Hide
	Defer offscreen images		^
	Consider lazy-loading offscreen and hidden images after all critical resources have finish interactive. <u>Learn more</u> .	hed loading to lower tin	me to
	Minify CSS		^
	Minifying CSS files can reduce network payload sizes. <u>Learn more</u> . <u>FCP</u> <u>LCP</u>		
	Minify JavaScript — Potential savings of 3 KiB		^

URL	Transfer Size	Potential Savings
/_framework/aspnetcore-browser-refresh.js (localhost)	11.9 KiB	2.7 KiB

Minifying JavaScript files can reduce payload sizes and script parse time. Learn more. FCP [LCP]

about:blank 8/27

Reduce unused JavaScript — Potential savings of 131 KiB

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

URL	Transfer Size	Potential Savings
dist/jquery.min.js (localhost)	87.6 KiB	65.8 KiB
js/bootstrap.bundle.min.js (localhost)	76.8 KiB	65.2 KiB
js/src/tooltip.js	9.6 KiB	8.2 KiB
js/src/carousel.js	6.7 KiB	6.1 KiB
js/src/dropdown.js	6.1 KiB	5.1 KiB
js/src/modal.js	5.0 KiB	4.7 KiB
js/src/collapse.js	3.7 KiB	3.4 KiB

Efficiently encode images	^
Optimized images load faster and consume less cellular data. <u>Learn more</u> .	
Preconnect to required origins	^
Consider adding `preconnect` or `dns-prefetch` resource hints to establish early connections to important third-party original Learn more. FCP LCP	ins.
Initial server response time was short — Root document took 0 ms	^
Keep the server response time for the main document short because all other requests depend on it. <u>Learn more</u> . <u>FCP</u>	

URL Time Spent

http://localhost:5064 0 ms

Avoid multiple page redirects

Redirects introduce additional delays before the page can be loaded. Learn more. FCP [LCP]

O Preload key requests

about:blank 9/27

Consider using `<link rel=preload>` to prioritize fetching resources that are currently requested later in page load. Learn more. (FCP) (LCP) Use HTTP/2 HTTP/2 offers many benefits over HTTP/1.1, including binary headers and multiplexing. 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 [LCP] Remove duplicate modules in JavaScript bundles Remove large, duplicate JavaScript modules from bundles to reduce unnecessary bytes consumed by network activity. TBT Avoid serving legacy JavaScript to modern browsers 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 More (TBT) Preload Largest Contentful Paint image Preload the image used by the LCP element in order to improve your LCP time. Learn more. [LCP] URL Potential Savings img#floaterslow.logo.tijdeli jk ...logos/logo.svg (localhost) 0 ms Avoids enormous network payloads — Total size was 1,999 KiB Large network payloads cost users real money and are highly correlated with long load times. Learn more. [CCP] Transfer **URL** Size 535.4 KiB ...assets/Asset%201.png (localhost)

about:blank 10/27

URL	Transfer Size
assets/Asset%202.png (localhost)	314.8 KiB
assets/Asset%204.png (localhost)	284.1 KiB
assets/Asset%205.png (localhost)	254.2 KiB
assets/Asset%203.png (localhost)	211.2 KiB
css/bootstrap.min.css (localhost)	159.1 KiB
dist/jquery.min.js (localhost)	87.6 KiB
js/bootstrap.bundle.min.js (localhost)	76.8 KiB
assets/scrollicon.png (localhost)	38.8 KiB
/_framework/aspnetcore-browser-refresh.js (localhost)	11.9 KiB

Avoids an	excessive	DOM size	— 54	1 elements

A large DOM will increase memory usage, cause longer <u>style calculations</u>, and produce costly <u>layout reflows</u>. <u>Learn more</u>. <u>TBT</u>

Statistic	Element	Value
Total DOM Elements		54
Maximum DOM Depth	a.nav-link	8
Maximum Child Elements	body	13

User Timing marks and measures

about:blank 11/27

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>. (TBT)

URL	Total CPU Time	Script Evaluation	Script Parse
http://localhost:5064	195 ms	11 ms	7 ms
<pre>chrome-extension://bmnlcjabgnpnenekpadlanbbkooimhnj/h1- check.js</pre>	129 ms	69 ms	59 ms
Unattributable	54 ms	2 ms	0 ms

Minimizes main-thread work — 0.4 s

Consider reducing the time spent parsing, compiling and executing JS. You may find delivering smaller JS payloads helps with this. Learn more (TBT)

Category	Time Spent
Other	105 ms
Script Evaluation	97 ms
Style & Layout	72 ms
Script Parsing & Compilation	70 ms
Rendering	65 ms
Parse HTML & CSS	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. FCP [LCP]

Minimize third-party usage

about:blank 12/27

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. (TBT)

Lazy load third-party resources with facades	^
Some third-party embeds can be lazy loaded. Consider replacing them with a facade until they <a>TBT	are required. <u>Learn more</u> .
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 <u>Learn more</u> .	the largest contentful paint.
Element img#floater-slow.logo.tijdelijk	
Uses passive listeners to improve scrolling performance	^
Consider marking your touch and wheel event listeners as `passive` to improve your page's sci more.	⁻ oll performance. <u>Learn</u>
Avoids document.write()	^
For users on slow connections, external scripts dynamically injected via `document.write()` can seconds. <u>Learn more</u> .	delay page load by tens of
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 previouser input. Learn more. (TBT)	rents <u>a 300 millisecond delay</u>
Avoids unload event listeners	^
The `unload` event does not fire reliably and listening for it can prevent browser optimizations li Use `pagehide` or `visibilitychange` events instead. <u>Learn more</u>	ke the Back-Forward Cache.

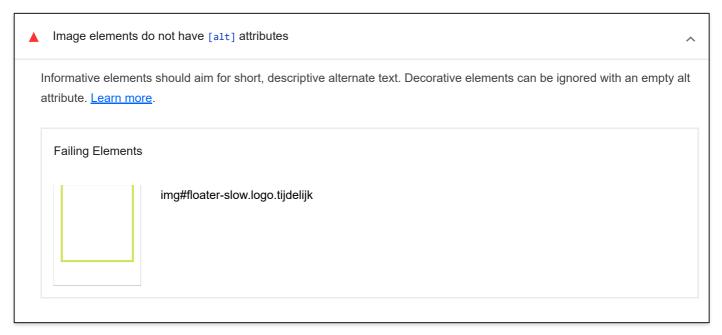
88
about:blank

02-03-2023 16:15



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.

ADDITIONAL ITEMS TO MANUALLY CHECK (10)

Hide

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

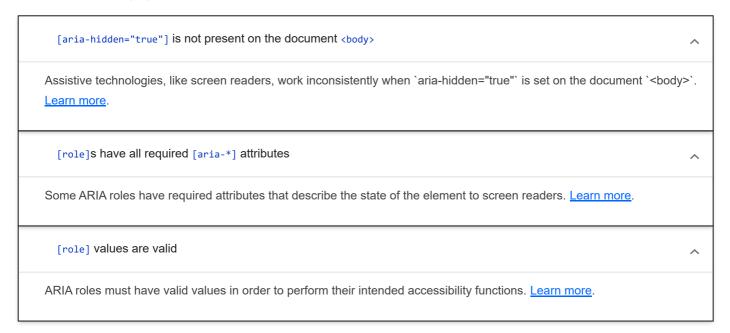
If new content, such as a dialog, is added to the page, the user's focus is directed to it. Learn more.

about:blank 14/27

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. Learn more.	
Offscreen content is hidden from assistive technology	^
Offscreen content is hidden with display: none or aria-hidden=true. <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 techniques.</nav></main>	hnology.

These items address areas which an automated testing tool cannot cover. Learn more in our guide on <u>conducting an accessibility</u> <u>review</u>.

PASSED AUDITS (14)



about:blank 15/27

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. [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. 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. 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. 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.

about:blank 16/27

List items () are contained within or parent elements

Screen readers require list items (`') to be contained within a parent `' or `' to be announced properly. <u>Learn more</u>.

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</u>.

NOT APPLICABLE (29) Hide

[accesskey] values are unique

Access keys let users quickly focus a part of the page. For proper navigation, each access key must be unique. <u>Learn</u> more.

[aria-*] attributes match their roles

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

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. <u>Learn more</u>.

[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. <u>Learn more</u>.

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. <u>Learn more</u>.

ARIA meter 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. <u>Learn more</u>.

ARIA progressbar elements have accessible names

about:blank 17/27

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. <u>Learn more</u> .
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. <u>Learn more.</u>
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</u> .
ARIA tooltip 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. <u>Learn more</u> .
O ARIA treeitem 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. <u>Learn more</u> .
O [aria-*] attributes have valid values
Assistive technologies, like screen readers, can't interpret ARIA attributes with invalid values. <u>Learn more</u> .
O [aria-*] attributes are valid and not misspelled
Assistive technologies, like screen readers, can't interpret ARIA attributes with invalid names. <u>Learn more</u> .
When definition lists are not properly marked up, screen readers may produce confusing or inaccurate output. <u>Learn more</u> .
O Definition list items are wrapped in <dl> elements</dl>
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.</dl></dd></dt>

about:blank 18/27

O [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 more.	
ARIA IDs are unique	^
The value of an ARIA ID must be unique to prevent other instances from being overlooked by assistive technologies. <u>Lea more</u> .	<u>arn</u>
No form fields have multiple labels	^
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. <u>Learn more</u> .	
<frame/> or <iframe> elements have a title</iframe>	^
Screen reader users rely on frame titles to describe the contents of frames. <u>Learn more</u> .	
<pre><input type="image"/> elements have [alt] text</pre>	^
When an image is being used as an ` <input/> ` button, providing alternative text can help screen reader users understand the purpose of the button. <u>Learn more</u> .	I
O Form elements have associated labels	^
Labels ensure that form controls are announced properly by assistive technologies, like screen readers. <u>Learn more</u> .	
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. <u>Learn more</u> .	
O <object> elements have alternate text</object>	^
Screen readers cannot translate non-text content. Adding alternate text to ` <object>` elements helps screen readers conmeaning to users. <u>Learn more</u>.</object>	ıvey
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. <u>Learn more</u> .	
Cells in a element that use the [headers] attribute refer to table cells within the same table.	^

about:blank 19/27

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</u>.

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. <u>Learn more</u>.

[lang] attributes have a valid value

Specifying a valid <u>BCP 47 language</u> on elements helps ensure that text is pronounced correctly by a screen reader. <u>Learn more</u>.

<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.



Best Practices

USER EXPERIENCE



about:blank 20/27



TRUST AND SAFETY

Ensure CSP is effective against XSS attacks			^
A strong Content Security Policy (CSP) significant	tly reduces the risk of cross-site scripting	(XSS) attacks. <u>Learn more</u>	
Description	Directive	Severity	
No CSP found in enforcement mode		High	

GENERAL

Detected JavaScript libraries		^
All front-end JavaScript libraries detected	ed on the page. <u>Learn more</u> .	
Name	Version	
Bootstrap	5.1.0	
jQuery	3.6.0	
jquery	3.0.0	

PASSED AUDITS (12)

about:blank 21/27

Uses HTTPS All sites should be protected with HTTPS, even ones that don't handle sensitive data. This includes avoiding mixed content, where some resources are loaded over HTTP despite the initial request being served over HTTPS. HTTPS prevents intruders from tampering with or passively listening in on the communications between your app and your users, and is a prerequisite for HTTP/2 and many new web platform APIs. Learn more. 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. 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 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. Allows users to paste into password fields Preventing password pasting undermines good security policy. Learn more. Serves images with appropriate resolution Image natural dimensions should be proportional to the display size and the pixel ratio to maximize image clarity. Learn more. Page has the HTML doctype Specifying a doctype prevents the browser from switching to quirks-mode. Learn more. 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. Avoids deprecated APIs Deprecated APIs will eventually be removed from the browser. Learn more.

about:blank 22/27

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</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</u>.

URL Map URL

...js/bootstrap.bundle.min.js (localhost) ...js/bootstrap.bundle.min.js.map (localhost)

NOT APPLICABLE (1) Hide

Fonts with font-display: optional are preloaded

Preload `optional` fonts so first-time visitors may use them. Learn more



SEO

These checks ensure that your page is following basic search engine optimization advice. There are many additional factors Lighthouse does not score here that may affect your search ranking, including performance on

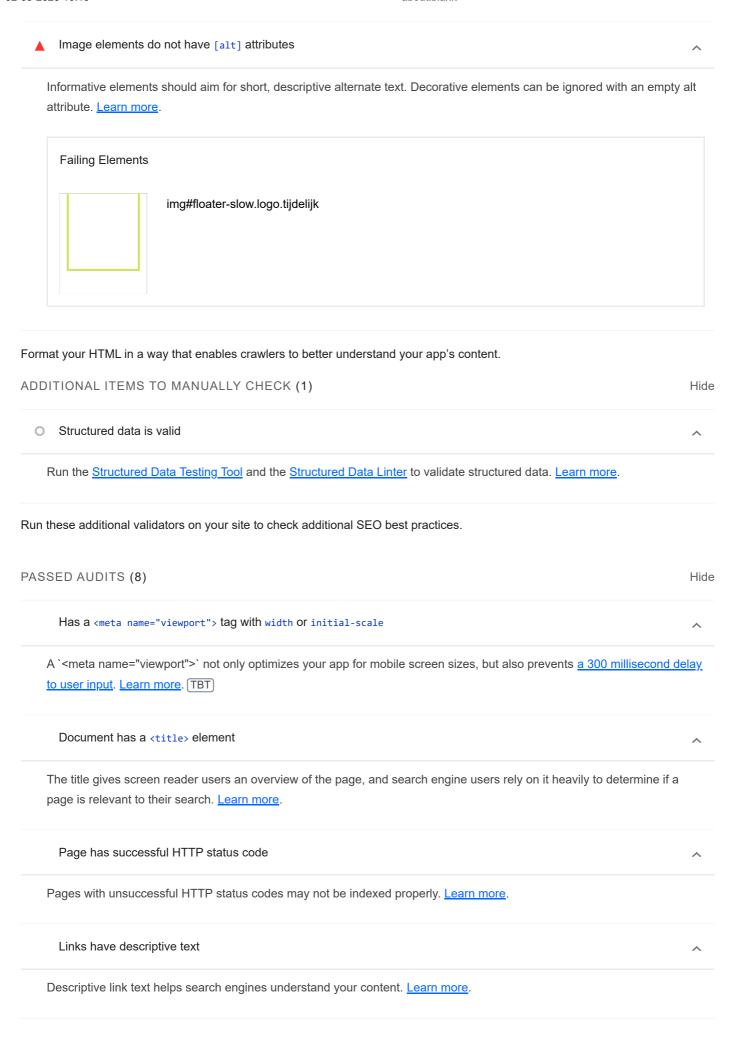
Core Web Vitals. Learn more.

CONTENT BEST PRACTICES

Document does not have a meta description

Meta descriptions may be included in search results to concisely summarize page content. Learn more.

about:blank 23/27



about:blank 24/27

Links are crawlable	^
Search engines may use `href` attributes on links to crawl websites. Ensure that the `href` attribute of anchor elements of an appropriate destination, so more pages of the site can be discovered. Learn More	ents links
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. Lea	arn 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 re <u>Learn more</u> .	egion.
Document avoids plugins	^
Search engines can't index plugin content, and many devices restrict plugins or don't support them. <u>Learn more</u> .	
NOT APPLICABLE (4)	Hide
o 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 crawle indexed. <u>Learn more</u> .	ed or
O Document has a valid rel=canonical	^
Canonical links suggest which URL to show in search results. <u>Learn more</u> .	
O Document uses legible font sizes	^
Font sizes less than 12px are too small to be legible and require mobile visitors to "pinch to zoom" in order to read. have >60% of page text ≥12px. <u>Learn more</u> .	. Strive to
O Tap targets are sized appropriately	^
Interactive elements like buttons and links should be large enough (48x48px), and have enough space around ther easy enough to tap without overlapping onto other elements. <u>Learn more</u> .	m, to be



about:blank 25/27

PWA

These checks validate the aspects of a Progressive Web App. Learn more.

INSTALLABLE

Web app manifest or service worker do not meet the installability requirements — 1 reason Service worker is the technology that enables your app to use many Progressive Web App features, such as offline, add to homescreen, and push notifications. With proper service worker and manifest implementations, browsers can proactively prompt users to add your app to their homescreen, which can lead to higher engagement. Learn more. Failure reason Page has no manifest <link> URL PWA OPTIMIZED 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. 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 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 more. 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. TBT

about:blank 26/27

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. 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 more. ADDITIONAL ITEMS TO MANUALLY CHECK (3) Hide 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.

These checks are required by the baseline <u>PWA Checklist</u> but are not automatically checked by Lighthouse. They do not affect your score but it's important that you verify them manually.

Captured at Mar 2, 2023, 4:13 PM GMT+1

Initial page load

Emulated Desktop with Lighthouse 9.6.8 Custom throttling Single page load

Using Chromium 110.0.0.0 with devtools

Generated by Lighthouse 9.6.8 | File an issue

about:blank 27/27