

http://127.0.0.1:8080/











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 Expand view

First Contentful Paint

 $3.7 \, s$

Speed Index

 $3.7 \, s$

Largest Contentful Paint

6.1 s

Time to Interactive

6.2 s

Total Blocking Time

370 ms

Cumulative Layout Shift

0

View Original Trace

View Treemap



















Show audits relevant to: FCP TBT LCP CLS

OPPORTUNITIES

Opportunity **Estimated Savings**

about:blank 1/28

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Enable text compression

2.19 s 🔨

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

URL	Transfer Size	Potential Savings
/main.d5d2a3c1cdf2fe0b.js (127.0.0.1)	427.8 KiB	307.6 KiB
/styles.3073e10a0bddda7f.css (127.0.0.1)	71.8 KiB	63.0 KiB
/polyfills.e8c8c21da338249f.js (127.0.0.1)	33.1 KiB	21.4 KiB
http://127.0.0.1:8080	7.2 KiB	5.9 KiB

▲ Reduce unused JavaScript

0.9 s ^

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

URL	Transfer Size	Potential Savings
/main.d5d2a3c1cdf2fe0b.js (127.0.0.1)	428.2 KiB	177.5 KiB

Reduce unused CSS

0.24 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
/styles.3073e10a0bddda7f.css (127.0.0.1)	72.1 KiB	70.2 KiB

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

DIAGNOSTICS

Ensure text remains visible during webfont load

about:blank 2/28

Leverage the font-display CSS feature to ensure text is user-visible while webfonts are loading. Learn more. FCP [LCP]

URL	Potential Savings
v139/flUhRq6tzwoff2 (fonts.gstatic.com)	190 ms

▲ Serve static assets with an efficient cache policy — 5 resources found

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

URL	Cache TTL	Transfer Size
/main.d5d2a3c1cdf2fe0b.js (127.0.0.1)	1 h	428 KiB
/styles.3073e10a0bddda7f.css (127.0.0.1)	1 h	72 KiB
/polyfills.e8c8c21da338249f.js (127.0.0.1)	1 h	33 KiB
/runtime.9a9759c6ebe7f296.js (127.0.0.1)	1 h	1 KiB
/ngsw-worker.js (127.0.0.1)	1 h	0 KiB

Avoid chaining critical requests — 5 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. FCP LCP

Maximum critical path latency: 430 ms

Initial Navigation

http://127.0.0.1:8080

/runtime.9a9759c6ebe7f296.js (127.0.0.1) - 20 ms, 1.37 KiB

/polyfills.e8c8c21da338249f.js (127.0.0.1) - 20 ms, 33.40 KiB

/main.d5d2a3c1cdf2fe0b.js (127.0.0.1) - 30 ms, 428.16 KiB

 $... v30/KFOmCnqEu....woff2 \ \ ({\tt fonts.gstatic.com}) \ \hbox{-}\ \hbox{\bf 110 ms, 11.38 KiB}$

...v139/flUhRq6tz....woff2 (fonts.gstatic.com) - 190 ms, 125.39 KiB

User Timing marks and measures — 36 user timings

Consider instrumenting your app with the User Timing API to measure your app's real-world performance during key user

about:blank 3/28

experiences. Learn more.

Name	Туре	Start Time	Duration
Zone	Measure	116.09 ms	1.01 ms
Zone:ZoneAwarePromise	Measure	117.31 ms	1.29 ms
Zone:toString	Measure	118.57 ms	0.13 ms
Zone:util	Measure	118.82 ms	0.58 ms
Zone:legacy	Measure	119.44 ms	0.06 ms
Zone:queueMicrotask	Measure	119.5 ms	0.2 ms
Zone:timers	Measure	119.6 ms	0.31 ms
Zone:requestAnimationFrame	Measure	119.89 ms	0.11 ms
Zone:blocking	Measure	119.96 ms	0.14 ms
Zone:EventTarget	Measure	120.04 ms	0.96 ms
Zone:MutationObserver	Measure	121 ms	0.3 ms
Zone:IntersectionObserver	Measure	121.23 ms	0.27 ms
Zone:FileReader	Measure	121.42 ms	0.18 ms
Zone:on_property	Measure	121.59 ms	24.61 ms
Zone:customElements	Measure	146.18 ms	0.32 ms
Zone:XHR	Measure	146.47 ms	0.33 ms
Zone:geolocation	Measure	146.75 ms	0.25 ms
Zone:PromiseRejectionEvent	Measure	146.91 ms	0.19 ms
Zone	Mark	116.19 ms	
Zone:ZoneAwarePromise	Mark	117.32 ms	
Zone:toString	Mark	118.59 ms	

about:blank 4/28

Name	Туре	Start Time	Duration
Zone:util	Mark	118.84 ms	
Zone:legacy	Mark	119.45 ms	
Zone:queueMicrotask	Mark	119.5 ms	
Zone:timers	Mark	119.6 ms	
Zone:requestAnimationFrame	Mark	119.89 ms	
Zone:blocking	Mark	119.96 ms	
Zone:EventTarget	Mark	120.05 ms	
Zone:MutationObserver	Mark	121.01 ms	
Zone:IntersectionObserver	Mark	121.23 ms	
Zone:FileReader	Mark	121.44 ms	
Zone:on_property	Mark	121.59 ms	
Zone:customElements	Mark	146.19 ms	
Zone:XHR	Mark	146.49 ms	
Zone:geolocation	Mark	146.75 ms	
Zone:PromiseRejectionEvent	Mark	146.91 ms	

Keep request counts low and transfer sizes small — 13 requests • 711 KiB

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

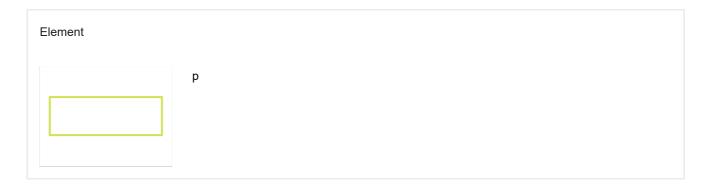
Resource Type	Requests	Transfer Size
Total	13	711.2 KiB
Script	4	463.3 KiB
Font	3	147.6 KiB
Stylesheet	1	72.1 KiB

about:blank 5/28

Resource Type	Requests	Transfer Size
Other	4	20.7 KiB
Document	1	7.5 KiB
Image	0	0.0 KiB
Media	0	0.0 KiB
Third-party	4	161.6 KiB

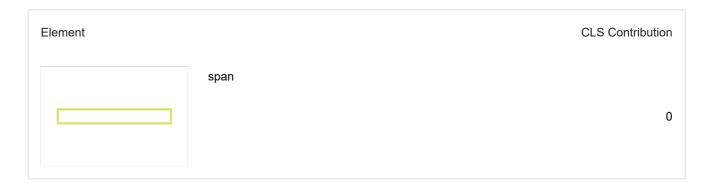
Largest Contentful Paint element –	– 1	element	found
--	-----	---------	-------

This is the largest contentful element painted within the viewport. <u>Learn More (LCP)</u>



O Avoid large layout shifts — 1 element found

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



O Avoid long main-thread tasks — 6 long tasks found

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

about:blank 6/28

URL	Start Time	Duration
/main.d5d2a3c1cdf2fe0b.js (127.0.0.1)	4,620 ms	367 ms
http://127.0.0.1:8080	630 ms	203 ms
/polyfills.e8c8c21da338249f.js (127.0.0.1)	6,060 ms	147 ms
Unattributable	877 ms	137 ms
chrome-extension://mmhlniccooihdimnnjhamobppdhaolme/lib/dollar-polyfill.js	1,048 ms	110 ms
http://127.0.0.1:8080	1,203 ms	57 ms

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

PASSED AUDITS (29)	Hide
Eliminate render-blocking resources	^
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	cal
Properly size images	^
Serve images that are appropriately-sized to save cellular data and improve load time. <u>Learn more</u> .	
Defer offscreen images	^
Consider lazy-loading offscreen and hidden images after all critical resources have 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> . FCP <u>LCP</u>	
Minify JavaScript	^
Minifying JavaScript files can reduce payload sizes and script parse time. <u>Learn more</u> . <u>FCP</u> <u>LCP</u>	
Efficiently encode images	^
Optimized images load faster and consume less cellular data. <u>Learn more</u> .	

about:blank 7/28

Serve images in next-gen formats	^
Image formats like WebP and AVIF often provide better compression than PNG or JPEG, which means faster do and less data consumption. <u>Learn more</u> .	wnloads
Preconnect to required origins	^
Consider adding `preconnect` or `dns-prefetch` resource hints to establish early connections to important third-p <u>Learn more</u> . FCP <u>LCP</u>	arty origins.
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. Learn more	¿. FCP
URL	me Spent
http://127.0.0.1:8080	0 ms
Avoid multiple page redirects	^
Redirects introduce additional delays before the page can be loaded. Learn more. FCP LCP	
O Preload key requests	^
Consider using ` <link rel="preload"/> ` to prioritize fetching resources that are currently requested later in page load more. FCP LCP	. <u>Learn</u>
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 a PNG/WebP for static images instead of GIF to save network bytes. Learn more LCP	and
Remove duplicate modules in JavaScript bundles	^
Remove large, duplicate JavaScript modules from bundles to reduce unnecessary bytes consumed by network a TBT	activity.
Avoid serving legacy JavaScript to modern browsers	^

about:blank 8/28

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. <u>Learn More (TBT)</u>

Preload Largest Contentful Paint image

Preload the image used by the LCP element in order to improve your LCP time. Learn more. (LCP)

Avoids enormous network payloads — Total size was 712 KiB

^

Large network payloads cost users real money and are highly correlated with long load times. Learn more. [LCP]

✓ Show 3rd-party resources (4)

URL	Transfer Size
/main.d5d2a3c1cdf2fe0b.js (127.0.0.1)	428.2 KiB
v139/flUhRq6tzwoff2 (fonts.gstatic.com)	125.4 KiB
/styles.3073e10a0bddda7f.css (127.0.0.1)	72.1 KiB
/polyfills.e8c8c21da338249f.js (127.0.0.1)	33.4 KiB
v2/home.json?api-key=gLup9yryN (api.nytimes.com)	14.0 KiB
v30/KFOmCnqEuwoff2 (fonts.gstatic.com)	11.4 KiB
v30/KFOlCnqEuwoff2 (fonts.gstatic.com)	10.8 KiB
http://127.0.0.1:8080	7.5 KiB
/ngsw.json?ngsw-cache-bust=0.534 (127.0.0.1)	3.4 KiB
icons/icon-144x144.png (127.0.0.1)	1.7 KiB

Avoids an excessive DOM size — 487 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>.

Statistic Element Value

Total DOM Elements 487

about:blank 9/28

Statistic	Element	Value
Maximum DOM Depth	a.linkTitle	11
Maximum Child Elements	div#containerCards.flex-container.ng-tns-c56-0.ng-star-inserted	33

JavaScript execution time — 0.9 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://127.0.0.1:8080	673 ms	122 ms	62 ms
Unattributable	402 ms	144 ms	0 ms
/main.d5d2a3c1cdf2fe0b.js (127.0.0.1)	369 ms	336 ms	2 ms
/polyfills.e8c8c21da338249f.js (127.0.0.1)	172 ms	144 ms	1 ms
<pre>chrome- extension://aapbdbdomjkkjkaonfhkkikfgjllcleb/bubble_compiled.js</pre>	56 ms	22 ms	30 ms

Minimizes main-thread work — 1.8 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
Script Evaluation	813 ms
Other	356 ms

about:blank 10/28

Category	Time Spent
Style & Layout	333 ms
Script Parsing & Compilation	164 ms
Rendering	66 ms
Parse HTML & CSS	57 ms
Garbage Collection	18 ms

Minimize third-party usage — Third-party code blocked the main thread for 0 ms

Third-party code can significantly impact load performance. Limit the number of redundant third-party providers and try to load third-party code after your page has primarily finished loading. <u>Learn more</u>. (TBT)

Third-Party	Transfer Size	Main-Thread Blocking Time
Google Fonts	148 KiB	0 ms
v139/flUhRq6tzwoff2 (fonts.gstatic.com)	125 KiB	0 ms
v30/KFOmCnqEuwoff2 (fonts.gstatic.com)	11 KiB	0 ms
v30/KFOICnqEuwoff2 (fonts.gstatic.com)	11 KiB	0 ms

Lazy load third-party resources with facades

Some third-party embeds can be lazy loaded. Consider replacing them with a facade until they are required. <u>Learn more</u>. <u>(TBT)</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 the largest contentful paint. <u>Learn more</u>.

Uses passive listeners to improve scrolling performance

Consider marking your touch and wheel event listeners as `passive` to improve your page's scroll performance. <u>Learn more</u>.

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.

about:blank 11/28

Animations which are not composited can be janky and increase CLS. Learn more CLS

Image elements have explicit width and height

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

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

Avoids unload event listeners

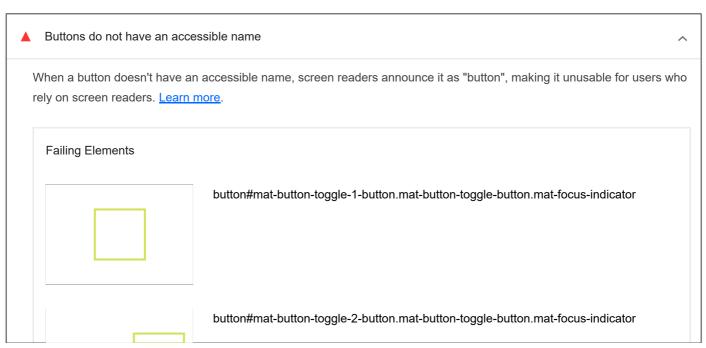
A The `unload' event does not fire reliably and listening for it can prevent browser optimizations like the Back-Forward Cache. Use `pagehide' or `visibilitychange' events instead. Learn more



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

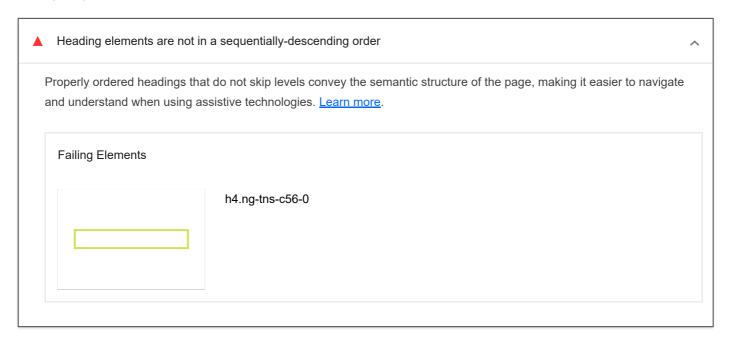


about:blank 12/28



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.

NAVIGATION



These are opportunities to improve keyboard navigation in your application.

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 13/28

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 tec <u>Learn more</u>.</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 (16)

[aria-*] attributes match their roles

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

[aria-hidden="true"] is not present on the document <body>

Assistive technologies, like screen readers, work inconsistently when `aria-hidden="true"` is set on the document `<body>`. Learn 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.

about:blank 14/28

[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. [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. [aria-hidden="true"] elements do not contain focusable descendents Focusable descendents within an `[aria-hidden="true"]` element prevent those interactive elements from being available to users of assistive technologies like screen readers. Learn 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. [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. 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

about:blank 15/28

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.

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.

NOT APPLICABLE (26)

[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.

O 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>.

O 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

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>.

about:blank 16/28

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. <u>Learn more</u> .
O [role]s are contained by their required parent element
Some ARIA child roles must be contained by specific parent roles to properly perform their intended accessibility functions. <u>Learn more</u> .
O ARIA toggle fields have accessible names
When a toggle field doesn't have an accessible name, screen readers announce it with a generic name, making it unusable for users who rely on screen readers. <u>Learn more</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> .
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 <dl>'s contain only properly-ordered <dt> and <dd> groups, <script>, <template> or <div> elements.</td></tr><tr><td>When definition lists are not properly marked up, screen readers may produce confusing or inaccurate output. <u>Learn more</u>.</td></tr><tr><td>O Definition list items are wrapped in <d1> elements</td></tr><tr><td>Definition list items (`<dt>` and `<dd>`) must be wrapped in a parent `<dl>` element to ensure that screen readers can properly announce them. Learn more.</td></tr><tr><td>O ARIA IDs are unique</td></tr><tr><td>The value of an ARIA ID must be unique to prevent other instances from being overlooked by assistive technologies. <u>Learn more</u>.</td></tr><tr><td>O No form fields have multiple labels</td></tr><tr><td>Form fields with multiple labels can be confusingly announced by assistive technologies like screen readers which use either the first, the last, or all of the labels. <u>Learn more</u>.</td></tr><tr><td>O <frame> or <iframe> elements have a title</td></tr></tbody></table></script></dd></dt></dl>

about:blank 17/28

Screen reader users rely on frame titles to describe the contents of frames. <u>Learn more</u> .	
Image elements have [alt] attributes	^
Informative elements should aim for short, descriptive alternate text. Decorative elements can be ignored with an empty attribute. Learn more.	alt
<pre>O <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. Learn more.	ı
O Form elements have associated labels	^
Labels ensure that form controls are announced properly by assistive technologies, like screen readers. <u>Learn more</u> .	
Lists contain only elements and script supporting elements (<script> and <template>).</td><td>^</td></tr><tr><td>Screen readers have a specific way of announcing lists. Ensuring proper list structure aids screen reader output. <u>Learn more</u>.</td><td></td></tr><tr><td>List items (<1i>) are contained within or parent elements</td><td>^</td></tr><tr><td>Screen readers require list items (``) to be contained within a parent `` or `` to be announced properly. Learn more.</td><td><u>!</u></td></tr><tr><td>The document does not use <meta http-equiv="refresh"></td><td>^</td></tr><tr><td>Users do not expect a page to refresh automatically, and doing so will move focus back to the top of the page. This may create a frustrating or confusing experience. <u>Learn more</u>.</td><td></td></tr><tr><td>O <object> elements have alternate text</td><td>^</td></tr><tr><td>Screen readers cannot translate non-text content. Adding alternate text to `<object>` elements helps screen readers con meaning to users. Learn more.</td><td>vey</td></tr><tr><td>Cells in a element that use the [headers] attribute refer to table cells within the same table.</td><td>^</td></tr><tr><td>Screen readers have features to make navigating tables easier. Ensuring `` cells using the `[headers]` attribute only refer to other cells in the same table may improve the experience for screen reader users. Learn more.</td><td></td></tr><tr><td></td><td>^</td></tr><tr><td>Screen readers have features to make navigating tables easier. Ensuring table headers always refer to some set of cells</td><td></td></tr></tbody></table></script>	

about:blank 18/28

may improve the experience for screen reader users. Learn more.

O [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.

O <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

TRUST AND SAFETY

1110	THOSE FAIRE ON ETT				
0	Ensure CSP is effective against 2	XSS attacks	^		
	A strong Content Security Policy (C	CSP) significantly reduces the risk of cross-site scripting (XSS) attacks. <u>Learn more</u>		
	Description	Directive	Severity		
	No CSP found in enforcement m	node	High		
GEN	NERAL				
0	Detected JavaScript libraries		^		
	All front-end JavaScript libraries de	etected on the page. <u>Learn more</u> .			
	Name	Version			
	Angular	14.2.12			

PASSED AUDITS (13)

about:blank 19/28

Uses HTTPS

All sites should be protected with HTTPS, even ones that don't handle sensitive data. This includes avoiding <u>mixed content</u>, where some resources are loaded over HTTP despite the initial request being served over HTTPS. HTTPS prevents intruders from tampering with or passively listening in on the communications between your app and your users, and is a prerequisite for HTTP/2 and many new web platform APIs. <u>Learn more</u>.

Avoids requesting the geolocation permission on page load

Users are mistrustful of or confused by sites that request their location without context. Consider tying the request to a user action instead. <u>Learn more</u>.

Avoids requesting the notification permission on page load

Users are mistrustful of or confused by sites that request to send notifications without context. Consider tying the request to user gestures instead. <u>Learn more</u>.

Avoids 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.

Displays images with correct aspect ratio

Image display dimensions should match natural aspect ratio. 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. <u>Learn</u> <u>more</u>.

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. <u>Learn more</u>.

about:blank 20/28

Avoids deprecated APIs Deprecated APIs will eventually be removed from the browser. Learn more. No browser errors logged to the console Errors logged to the console indicate unresolved problems. They can come from network request failures and other browser concerns. Learn more 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. Learn more. NOT APPLICABLE (1)

Hide Fonts with font-display: optional are preloaded

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



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 21/28

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

ADDITIONAL ITEMS TO MANUALLY CHECK (1)

Hide

Structured data is valid

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

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

PASSED AUDITS (10)

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 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. Links are crawlable Search engines may use 'href' attributes on links to crawl websites. Ensure that the 'href' attribute of anchor elements links to an appropriate destination, so more pages of the site can be discovered. Learn 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.

about:blank 22/28

Document uses legible font sizes — 95.49% legible text

Font sizes less than 12px are too small to be legible and require mobile visitors to "pinch to zoom" in order to read. Strive to have >60% of page text $\ge 12px$. Learn more.

Source	Selector	% of Page Text	Font Size
http://127.0.0.1:8 080	<pre></pre>	0.10%	11.2px
http://127.0.0.1:8 080	<pre></pre>	0.10%	11.2px
http://127.0.0.1:8 080	<pre></pre>	0.10%	11.2px
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Source	Selector	% of Page Text	Font Size
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Source	Selector	% of Page Text	Font Size
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http://127.0.0.1:8 080	<pre></pre>	0.10%	11.2px
http://127.0.0.1:8 080	 _ngcontent-wub-c55="undefined">	0.03%	11.2px
http://127.0.0.1:8 080	 _ngcontent-wub-c55="undefined">	0.03%	11.2px
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Source	Selector	% of Page Text	Font Size
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http://127.0.0.1:8 080	 	0.03%	11.2px
http://127.0.0.1:8 080	 	0.03%	11.2px
http://127.0.0.1:8 080	 	0.03%	11.2px
http://127.0.0.1:8 080	 _ngcontent-wub-c55="undefined">	0.03%	11.2px
Add'l illegible		0.53%	< 12px
Legible text		95.49%	≥ 12px

Document avoids plugins

^

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

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

^

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>.

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. <u>Learn more</u>.

Image elements have [alt] attributes

^

about:blank 26/28

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

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



PWA

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

INSTALLABLE

Web app manifest and service worker meet the installability requirements

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. <u>Learn more</u>.

PWA OPTIMIZED

Registers 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. <u>Learn more</u>.

Configured for a custom splash screen

A themed splash screen ensures a high-quality experience when users launch your app from their homescreens. <u>Learn more</u>.

Sets a theme color for the address bar.

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. <u>Learn more</u>.

about:blank 27/28

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 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 has a maskable icon 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 PWA Checklist but are not automatically checked by Lighthouse. They do not affect your score but it's important that you verify them manually. Captured at Jan 16, 2023, 8:53 Emulated Moto G4 with Single page load PM GMT+1 Lighthouse 9.6.6 Initial page load Slow 4G throttling Using Chromium 108.0.0.0 with devtools

Generated by Lighthouse 9.6.6 | File an issue

about:blank 28/28