

http://127.0.0.1:5000/home











Performance

Accessibility

Best Practices

SEO

PWA



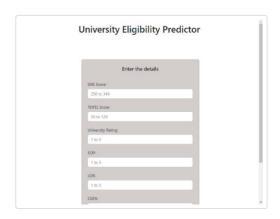
Performance

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

0.4 s

Speed Index

 $0.4 \, s$

Total Blocking Time

Time to Interactive

0 ms

Largest Contentful Paint

0.4 s

Cumulative Layout Shift

0

View Original Trace View Treemap





















Expand view

Show audits relevant to:

FCP TBT LCP CLS

OPPORTUNITIES

Opportunity **Estimated Savings**

Eliminate render-blocking resources

0.18 s ^

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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]

✓ Show 3rd-party resources (1)

URL	Transfer Size	Potential Savings
/static/style.css (127.0.0.1)	0.8 KiB	60 ms
css/bootstrap.min.css (cdn.jsdelivr.net)	26.9 KiB	270 ms

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

DIAGNOSTICS

O Avoid chaining critical requests — 2 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: 80 ms

Initial Navigation

/home (127.0.0.1)

/static/style.css (127.0.0.1) - 40 ms, 0.80 KiB

...css/bootstrap.min.css (cdn.jsdelivr.net) - 40 ms, 26.94 KiB

Keep request counts low and transfer sizes small — 3 requests • 33 KiB

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

Resource Type	Requests	Transfer Size
Total	3	32.9 KiB
Stylesheet	2	27.7 KiB
Document	1	5.1 KiB
Image	0	0.0 KiB
Media	0	0.0 KiB

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Resource Type	Requests	Transfer Size
Font	0	0.0 KiB
Script	0	0.0 KiB
Other	0	0.0 KiB
Third-party	1	26.9 KiB

0	Largest Contentful Paint element	— 1	element found
---	----------------------------------	-----	---------------

This is the largest contentful element painted within the viewport. Learn More (LCP)



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
/home (127.0.0.1)	235 ms	83 ms

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

PASSED AUDITS (35)	Hide
Properly size images	^
Serve images that are appropriately-sized to save cellular data and improve load time. Learn more.	
Defer offscreen images	^

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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. Learn more. FCP LCP		
Minify JavaScript		^
Minifying JavaScript files can reduce payload sizes and script parse time. <u>Learn more</u> . FCP <u>LCP</u>		
Reduce unused CSS — Potential savings of 26 KiB		^
Reduce unused rules from stylesheets and defer CSS not used for above-the-fold content to decrea network activity. Learn more. FCP LCP	se bytes co	onsumed by
URL	ransfer Size	Potential Savings
css/bootstrap.min.css (cdn.jsdelivr.net)	6.9 KiB	25.8 KiB
Reduce unused JavaScript		^
Reduce unused JavaScript and defer loading scripts until they are required to decrease bytes consulativity. Learn more. CCP	med by ne	twork
Efficiently encode images		^
Optimized images load faster and consume less cellular data. <u>Learn more</u> .		
Serve images in next-gen formats		^
Image formats like WebP and AVIF often provide better compression than PNG or JPEG, which meand less data consumption. <u>Learn more</u> .	ans faster o	downloads
Enable text compression — Potential savings of 4 KiB		^
Text-based resources should be served with compression (gzip, deflate or brotli) to minimize total nemore. FCP LCP	etwork byte	s. <u>Learn</u>
URL	ransfer Size	Potential Savings

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URL	Transfer Size	Potentia Savings
/home (127.0.0.1)	5.0 KiB	3.8 KiE
Preconnect to required origins		
Consider adding `preconnect` or `dns-prefetch` resource hints to establish early con <u>earn more</u> . FCP <u>LCP</u>	nnections to important third	l-party origii
Initial server response time was short — Root document took 10 ms		
Keep the server response time for the main document short because all other reque LCP	ests depend on it. <u>Learn m</u>	ore. FCP
URL		Time Spen
/home (127.0.0.1)		10 ms
Avoid multiple page redirects		
Redirects introduce additional delays before the page can be loaded. <u>Learn more</u> . (FCP (LCP)	
Preload key requests		
Consider using ` <link rel="preload"/> ` to prioritize fetching resources that are currently more. FCP LCP	y requested later in page lo	oad. <u>Learn</u>
Use HTTP/2		
HTTP/2 offers many benefits over HTTP/1.1, including binary headers and multiple:	xing. <u>Learn more</u> .	
Use video formats for animated content		
arge GIFs are inefficient for delivering animated content. Consider using MPEG4/NPNG/WebP for static images instead of GIF to save network bytes. <u>Learn more</u> [LCI		ns and
Remove duplicate modules in JavaScript bundles		
Remove large, duplicate JavaScript modules from bundles to reduce unnecessary l	bytes consumed by networ	k activity.

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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 the image used by the I	LCP element in order to improve your LCP time. <u>Learn more</u> . <u>LCP</u>	
Avoids enormous network pa	yloads — Total size was 33 KiB	
Large network payloads cost us	sers real money and are highly correlated with long load times. <u>Learn more</u> . <u>LC</u>	P
	✓ Show 3rd-party	resources
URL		Transfe Siz
css/bootstrap.min.css (cdn	n.jsdelivr.net)	26.9 Ki
/home (127.0.0.1)		5.1 Ki
/static/style.css (127.0.0.1)		0.8 Ki
	n static assets — 1 resource found	
A long cache lifetime can speed	d up repeat visits to your page. <u>Learn more</u> .	
URL	Cache	Transfe
ONE	TTL	Siz
/static/style.css (127.0.0.1)	12 h	1 Ki
Avoids an excessive DOM siz	ze — 46 elements	
	nory usage, cause longer <u>style calculations</u> , and produce costly <u>layout reflows</u> . <u>I</u>	<u>Learn mor</u>
A large DOM will increase mem	, , , , , , , , , , , , , , , , , , ,	

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46

Total DOM Elements

Statistic	Element	Valu	ue
Maximum DOM Depth		input#gridRadios1.form- check-input	9
Maximum Child Elements	forn	n#theForm	8

User Timing marks and measures

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

JavaScript execution time - 0.0 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
/home (127.0.0.1)	215 ms	9 ms	3 ms

Minimizes main-thread work — 0.3 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)

Category	Time Spent
Style & Layout	153 ms
Other	96 ms
Parse HTML & CSS	25 ms
Script Evaluation	14 ms

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Category		Time Spen
Rendering		4 ms
Script Parsing & Compilation		3 ms
All text remains visible during webfont loads		
Leverage the font-display CSS feature to ensure text is	user-visible while webfonts are	loading. <u>Learn more</u> . FCP LCP
Minimize third-party usage — Third-party code block	xed the main thread for 0 ms	
Third-party code can significantly impact load performar load third-party code after your page has primarily finish		dant third-party providers and try to
Third-Party	Transfer Size	Main-Thread Blocking Time
JSDelivr CDN	27 KiB	0 ms
css/bootstrap.min.css (cdn.jsdelivr.net)	27 KiB	0 ms
Lazy load third-party resources with facades Some third-party embeds can be lazy loaded. Consider	replacing them with a facade u	ntil they are required. <u>Learn more</u> .
Largest Contentful Paint image was not lazily loaded		
Above-the-fold images that are lazily loaded render late <u>earn more</u> .	r in the page lifecycle, which ca	an delay the largest contentful paint
Avoid large layout shifts		
These DOM elements contribute most to the CLS of the	page. CLS	
Uses passive listeners to improve scrolling performan	nce	
Consider marking your touch and wheel event listeners	as `passive` to improve your pa	age's scroll performance. <u>Learn</u>
<u>more</u> .		

For users on slow connections, external scripts dynamically injected via `document.write()` can delay page load by tens of seconds. <u>Learn more</u>.

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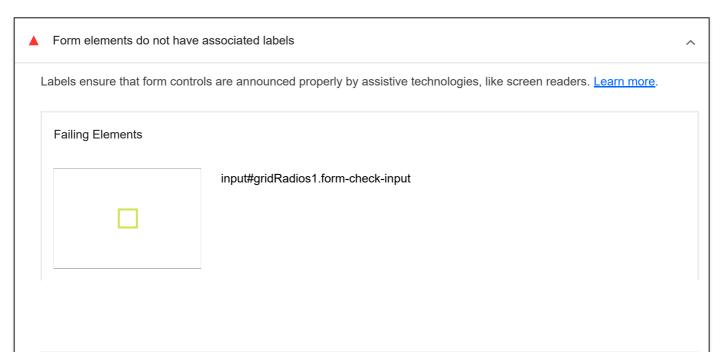
 Avoid non-composited animations 	^
Animations which are not composited can be janky and increase CLS. <u>Learn more</u> <u>CLS</u>	
Image elements have explicit width and height	^
Set an explicit width and height on image elements to reduce layout shifts and improve CLS. <u>Learn more</u> <u>CLS</u>	
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 <u>a 300 millisecond</u> to user input. <u>Learn more</u> . <u>(TBT)</u>	<u>delay</u>
Avoids unload event listeners	^
The `unload` event does not fire reliably and listening for it can prevent browser optimizations like the Back-Forward C Use `pagehide` or `visibilitychange` events instead. <u>Learn more</u>	ache.



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

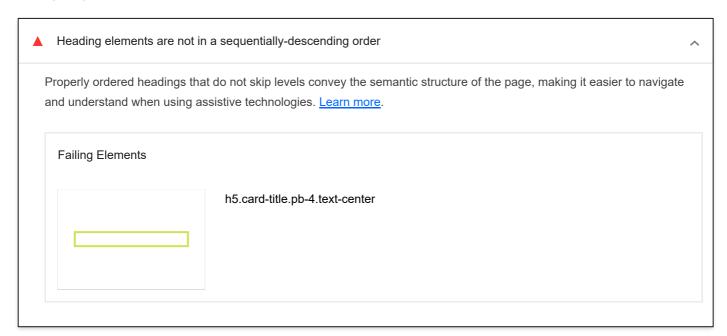


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Failing Elements		
	input#gridRadios2.form-check-input	

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

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.	
O 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> .	
O Custom controls have associated labels	
Custom interactive controls have associated labels, provided by aria-label or aria-labelledby. Learn more.	
O Custom controls have ARIA roles	
Custom interactive controls have appropriate ARIA roles. <u>Learn more</u> .	
O Visual order on the page follows DOM order	
DOM order matches the visual order, improving navigation for assistive technology. <u>Learn more</u> .	
O Offscreen content is hidden from assistive technology	
Offscreen content is hidden with display: none or aria-hidden=true. <u>Learn more</u> .	
O 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.</nav></main>	
These items address gross which an automated testing tool cannot sover. Learn more in our guide an conducting an accessibility	_

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 (9) Hide

[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.

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.

ARIA IDs are unique

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The value of an ARIA ID must be unique to prevent other instances from being overlooked by assistive technologies. Learn [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. 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 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 (33)

O [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.

O [aria-*] attributes match their roles

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

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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> .	е
O [aria-hidden="true"] elements do not contain focusable descendents	^
Focusable descendents within an `[aria-hidden="true"]` element prevent those interactive elements from being available t users of assistive technologies like screen readers. <u>Learn more</u> .	to
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 unusab for users who rely on screen readers. <u>Learn more</u> .	ole
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> .	е
ARIA progressbar elements have accessible names	^
When a `progressbar` element doesn't have an accessible name, screen readers announce it with a generic name, makin it unusable for users who rely on screen readers. <u>Learn more</u> .	ng
O [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.	
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 function <u>Learn more</u> .	IS.
O [role] values are valid	^
ARIA roles must have valid values in order to perform their intended accessibility functions. Learn more.	
ARIA toggle fields have accessible names	^

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When a toggle field doesn't have an accessible name, screen readers announce it with a generic name, making it unus for users who rely on screen readers. <u>Learn more</u> .	sable
O 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 unusa for users who rely on screen readers. <u>Learn more</u> .	ıble
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 unusa for users who rely on screen readers. <u>Learn more</u> .	ıble
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> .	
The page contains a heading, skip link, or landmark region	^
Adding ways to bypass repetitive content lets keyboard users navigate the page more efficiently. <u>Learn more</u> .	
	^
When definition lists are not properly marked up, screen readers may produce confusing or inaccurate output. <u>Learn m</u>	<u>iore</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>	
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> .	
O <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> .	
Image elements have [alt] attributes	^

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Informative elements should aim for short, descriptive alternate text. Decorative elements can be ignored with an empty attribute. Learn more.	alt
O <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.	
O Links have a discernible name	^
Link text (and alternate text for images, when used as links) that is discernible, unique, and focusable improves the navigation experience for screen reader users. <u>Learn more</u> .	
O 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>O 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>!</td></tr><tr><td>O 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>O No element has a [tabindex] value greater than 0</td><td>^</td></tr><tr><td>A value greater than 0 implies an explicit navigation ordering. Although technically valid, this often creates frustrating experiences for users who rely on assistive technologies. <u>Learn more</u>.</td><td></td></tr><tr><td>O 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>O elements and elements with [role="columnheader"/"rowheader"] have data cells they describe.</td><td>^</td></tr></tbody></table></script>	

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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.

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

action instead. Learn more.

 Ensure CSP is effective against XSS attacks 		^
A strong Content Security Policy (CSP) significantly red	duces the risk of cross-site scripting	(XSS) attacks. <u>Learn more</u>
Description	Directive	Severity
No CSP found in enforcement mode		High
PASSED AUDITS (13)		Hide
Uses HTTPS		^
All sites should be protected with HTTPS, even ones the where some resources are loaded over HTTP despited intruders from tampering with or passively listening in comprehensite for HTTP/2 and many new web platform A	the initial request being served over on the communications between you	HTTPS. HTTPS prevents
Avoids requesting the geolocation permission on page	ge load	

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Users are mistrustful of or confused by sites that request their location without context. Consider tying the request to a user

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. 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. 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. 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

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request failures, insufficient security controls, and other browser concerns. Open up the Issues panel in Chrome DevTools

All front-end JavaScript libraries detected on the page. Learn more.

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>.

NOT APPLICABLE (2)

Fonts with font-display: optional are preloaded

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

Detected JavaScript libraries



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.

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>.

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

PASSED AUDITS (8)	Hide
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 <u>a 300 millisec</u> <u>to user input</u> . <u>Learn more</u> . <u>(TBT)</u>	ond delay
Document has a <title> element</td><td>^</td></tr><tr><td>The title gives screen reader users an overview of the page, and search engine users rely on it heavily to determine page is relevant to their search. <u>Learn more</u>.</td><td>e if a</td></tr><tr><td>Page has successful HTTP status code</td><td>^</td></tr><tr><td>Pages with unsuccessful HTTP status codes may not be indexed properly. Learn more.</td><td></td></tr><tr><td>Links have descriptive text</td><td>^</td></tr><tr><td>Descriptive link text helps search engines understand your content. <u>Learn more</u>.</td><td></td></tr><tr><td>Links are crawlable</td><td>^</td></tr><tr><td>Search engines may use `href` attributes on links to crawl websites. Ensure that the `href` attribute of anchor elem to an appropriate destination, so more pages of the site can be discovered. Learn More</td><td>ents links</td></tr><tr><td>Page isn't blocked from indexing</td><td>^</td></tr><tr><td>Search engines are unable to include your pages in search results if they don't have permission to crawl them. Lea</td><td>arn more.</td></tr><tr><td>Document has a valid hreflang</td><td>^</td></tr><tr><td>hreflang links tell search engines what version of a page they should list in search results for a given language or r
<u>Learn more</u>.</td><td>egion.</td></tr><tr><td>Document avoids plugins</td><td>^</td></tr><tr><td>Search engines can't index plugin content, and many devices restrict plugins or don't support them. <u>Learn more</u>.</td><td></td></tr><tr><td>NOT APPLICABLE (5)</td><td>Hide</td></tr><tr><td>o robots.txt is valid</td><td>^</td></tr></tbody></table></title>	

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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

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

O Document has a valid rel=canonical

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

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. Strive to have >60% of page text ≥12px. <u>Learn more</u>.

Tap targets are sized appropriately

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>.



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. <u>Learn more</u>.

Failure reason

Page has no manifest <link> URL

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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] 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. Hide ADDITIONAL ITEMS TO MANUALLY CHECK (3) 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

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Transitions should feel snappy as you tap around, even on a slow network. This experience is key to a user's perception of performance. <u>Learn more</u>.

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. <u>Learn more</u>.

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 Nov 19, 2022, 5:41 PM GMT+5:30 Initial page load Emulated Desktop with
Lighthouse 9.6.6
Custom throttling

Single page load

Using Chromium 107.0.0.0 with devtools

Generated by **Lighthouse** 9.6.6 | File an issue

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