



100





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

 $2.0 \, s$

Speed Index

 $2.0 \, s$

Largest Contentful Paint

3.4 s

Time to Interactive

2.1 s

Total Blocking Time

90 ms

Cumulative Layout Shift

0

View Original Trace

View Treemap





















Show audits relevant to: All FCP TBT LCP CLS

OPPORTUNITIES

Opportunity **Estimated Savings** 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
div.container-fluid.hero- container.courses-container	images/christian-holzinger- unsplash.jpg (janet-dev.github.io)	175.6 KiB	97.4 KiB

Eliminate render-blocking resources

0.4 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 (cdn.jsdelivr.net)	27.0 KiB	1,090 ms
/7c6e646adf.js (kit.fontawesome.com)	4.0 KiB	790 ms

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

DIAGNOSTICS

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

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

URL	Cache TTL	Transfer Size
images/christian-holzinger-unsplash.jpg (janet-dev.github.io)	10 m	176 KiB
images/black-codher-logo.webp (janet-dev.github.io)	10 m	8 KiB
images/cyf-logo.webp (janet-dev.github.io)	10 m	7 KiB
images/school-of-code-logo.webp (janet-dev.github.io)	10 m	6 KiB

URL	Cache TTL	Transfer Size
images/resume-foundation-logo.webp (janet-dev.github.io)	10 m	6 KiB
images/uob-logo.webp (janet-dev.github.io)	10 m	5 KiB
images/ioc-logo.webp (janet-dev.github.io)	10 m	5 KiB
images/cfg-logo.webp (janet-dev.github.io)	10 m	4 KiB
images/ci-logo.webp (janet-dev.github.io)	10 m	4 KiB
css/style.css (janet-dev.github.io)	10 m	1 KiB

O Avoid chaining critical requests — 6 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: 620 ms

Initial Navigation

/ci-milestone-project-1/courses.html (janet-dev.github.io)

- ...css/bootstrap.min.css (cdn.jsdelivr.net) 20 ms, 27.00 KiB
- ...css/style.css (janet-dev.github.io)

/css?family=Roboto:100,200,300,400,500,600,700 (fonts.googleapis.com) - 50 ms, 0.98 KiB

...webfonts/free-fa-brands-400.woff2 (ka-f.fontawesome.com) - 140 ms, 105.70 KiB

/7c6e646adf.js (kit.fontawesome.com) - 50 ms, 3.99 KiB

- ...umd/popper.min.js (cdn.jsdelivr.net) 60 ms, 7.56 KiB
- ...js/bootstrap.min.js (cdn.jsdelivr.net) 60 ms, 16.15 KiB

○ Keep request counts low and transfer sizes small — 23 requests • 417 KiB

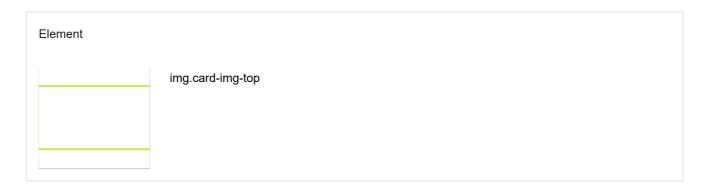
To set budgets for the quantity and size of page resources, add a budget.json file. Learn more.

Resource Type	Requests	Transfer Size
Total	23	417.0 KiB
Image	9	220.1 KiB
Font	1	105.7 KiB

Resource Type	Requests	Transfer Size
Other	4	29.5 KiB
Stylesheet	3	29.5 KiB
Script	4	27.7 KiB
Document	2	4.5 KiB
Media	0	0.0 KiB
Third-party	12	191.9 KiB

O Largest Contentful Paint element — 1 element found

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



O Avoid long main-thread tasks — 4 long tasks found

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

✓ Show 3rd-party resources (1)

URL	Start Time	Duration
/ci-milestone-project-1/courses.html (janet-dev.github.io)	1,152 ms	391 ms
/ci-milestone-project-1/courses.html (janet-dev.github.io)	878 ms	274 ms
<pre>chrome-extension://aeblfdkhhhdcdjpifhhbdiojplfjncoa/inline/injected.js</pre>	1,632 ms	153 ms
/7c6e646adf.js (kit.fontawesome.com)	1,983 ms	141 ms

PASSED AUDITS (33) Hide Properly size images Serve images that are appropriately-sized to save cellular data and improve load time. Learn more. Defer offscreen images Consider lazy-loading offscreen and hidden images after all critical resources have finished loading to lower time to interactive. Learn more. Minify CSS Minifying CSS files can reduce network payload sizes. Learn more. FCP [LCP] Minify JavaScript Minifying JavaScript files can reduce payload sizes and script parse time. Learn more. FCP [CCP] Reduce unused CSS — Potential savings of 46 KiB Reduce unused rules from stylesheets and defer CSS not used for above-the-fold content to decrease bytes consumed by network activity. Learn more. FCP [LCP] ✓ Show 3rd-party resources (1) Transfer Potential **URL** Size Savings 27.0 KiB 25.6 KiB ...css/bootstrap.min.css (cdn.jsdelivr.net) /*! * Font Awesome Free 6.2.0 by @fontawesome - https://fontawesome.com * License -20.0 KiB 20.2 KiB https://fontaw... Reduce unused JavaScript Reduce unused JavaScript and defer loading scripts until they are required to decrease bytes consumed by network activity. Learn more. LCP Efficiently encode images Optimized images load faster and consume less cellular data. Learn more. Enable text compression

	more. FCP LCP	
	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	gins.
	Initial server response time was short — Root document took 140 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 Spe	nt
	/ci-milestone-project-1/courses.html (janet-dev.github.io)	ns
	Avoid multiple page redirects	^
	Redirects introduce additional delays before the page can be loaded. <u>Learn more</u> . <u>FCP</u> <u>LCP</u>	
0	Preload key requests	^
	Consider using ` <link rel="preload"/> ` to prioritize fetching resources that are currently requested later in page load. <u>Learn</u> <u>more</u> . <u>FCP</u> <u>LCP</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 and PNG/WebP for static images instead of GIF to save network bytes. <u>Learn more</u> [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

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

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. <u>Learn more</u>. <u>LCP</u>

	URL	Potential Savings
img.ca rd-img- top	images/cyf-logo.webp (janet-dev.github.io)	0 ms

Avoids enormous network payloads — Total size was 417 KiB

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

✓ Show 3rd-party resources (5)

URL	Transfer Size
images/christian-holzinger-unsplash.jpg (janet-dev.github.io)	175.8 KiB
webfonts/free-fa-brands-400.woff2 (ka-f.fontawesome.com)	105.7 KiB
css/bootstrap.min.css (cdn.jsdelivr.net)	27.0 KiB
css/free.min.css?token=7c6e646adf (ka-f.fontawesome.com)	23.0 KiB
js/bootstrap.min.js (cdn.jsdelivr.net)	16.2 KiB
images/black-codher-logo.webp (janet-dev.github.io)	7.6 KiB
umd/popper.min.js (cdn.jsdelivr.net)	7.6 KiB
images/cyf-logo.webp (janet-dev.github.io)	7.2 KiB
images/school-of-code-logo.webp (janet-dev.github.io)	6.0 KiB
images/resume-foundation-logo.webp (janet-dev.github.io)	5.7 KiB

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		206
Maximum DOM Depth	i.fa-brands.fa-twitter	8
Maximum Child Elements	div.row.row-cols-1.row-cols-md-2.row-cols-lg-3.g-3	10

User Timing marks and measures

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

JavaScript execution time — 0.7 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)

✓ Show 3rd-party resources (1)

URL	Total CPU Time	Script Evaluation	Script Parse
/ci-milestone-project-1/courses.html (janet-dev.github.io)	1,101 ms	74 ms	334 ms
Unattributable	367 ms	15 ms	0 ms
<pre>chrome- extension://aeblfdkhhhdcdjpifhhbdiojplfjncoa/inline/injected.js</pre>	155 ms	45 ms	82 ms
/7c6e646adf.js (kit.fontawesome.com)	141 ms	89 ms	2 ms
<pre>chrome-extension://efaidnbmnnnibpcajpcglclefindmkaj/data/js/ch- content-script-dend.js</pre>	80 ms	50 ms	25 ms

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

Category	Time Spent
Other	753 ms
Script Parsing & Compilation	454 ms
Script Evaluation	314 ms
Parse HTML & CSS	172 ms
Style & Layout	165 ms
Rendering	62 ms
Garbage Collection	17 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 — 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
FontAwesome CDN	139 KiB	0 ms
webfonts/free-fa-brands-400.woff2 (ka-f.fontawesome.com)	106 KiB	0 ms
css/free.min.css?token=7c6e646adf (ka-f.fontawesome.com)	23 KiB	0 ms
Other resources	11 KiB	0 ms
JSDelivr CDN	51 KiB	0 ms
css/bootstrap.min.css (cdn.jsdelivr.net)	27 KiB	0 ms
js/bootstrap.min.js (cdn.jsdelivr.net)	16 KiB	0 ms
umd/popper.min.js (cdn.jsdelivr.net)	8 KiB	0 ms
Google Fonts	1 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 re	quired. <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 the later more.	gest contentful paint.
Element img.card-img-top	
Avoid large layout shifts	^
These DOM elements contribute most to the CLS of the page. CLS	
Uses passive listeners to improve scrolling performance	^
Consider marking your touch and wheel event listeners as `passive` to improve your page's scroll permore.	rformance. <u>Learn</u>
Avoids document.write()	^
For users on slow connections, external scripts dynamically injected via `document.write()` can delay seconds. <u>Learn more</u> .	page load by tens of
Avoid non-composited animations	^
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 m	nore 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	a 300 millisecond delay

to user input. Learn more. TBT

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. <u>Learn more</u>



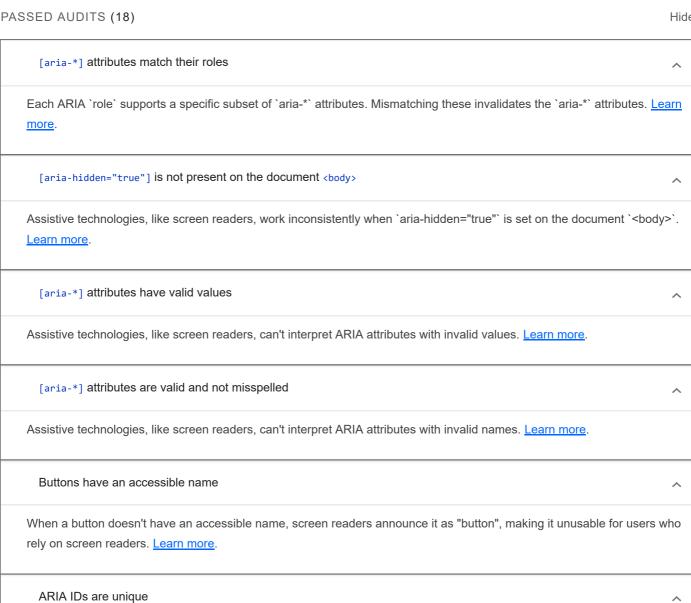
Accessibility

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.

ADDITIONAL ITEMS TO MANUALLY CHECK (10)

Hide

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. Learn more.
HTML5 landmark elements are used to improve navigation
Landmark elements (<main>, <nav>, etc.) are used to improve the keyboard navigation of the page for assistive technology. <u>Learn more</u>.</nav></main>
These items address areas which an automated testing tool cannot cover. Learn more in our guide on <u>conducting an accessibility</u> review.
PASSED AUDITS (18)
[aria-*] attributes match their roles
Each ARIA `role` supports a specific subset of `aria-*` attributes. Mismatching these invalidates the `aria-*` attributes. Learn



The value of an ARIA ID must be unique to prevent other instances from being overlooked by assistive technologies. Learn more. Image elements have [alt] attributes Informative elements should aim for short, descriptive alternate text. Decorative elements can be ignored with an empty alt attribute. Learn more. [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. <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. List items () are contained within or parent elements Screen readers require list items (`') to be contained within a parent '' or '' to be announced properly. Learn more. 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. Learn more. NOT APPLICABLE (26) 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. Learn

Caccesskey] 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. button, 1ink, 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. Learn more. 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. Learn more. 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. Learn more. ARIA progressbar elements have accessible names ARIA progressbar elements have accessible names ARIA progressbar elements have accessible names

it unusable for users who rely on screen readers. 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. <u>Learn more</u> .	
O 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> .	
[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> .	S.
O [role] values are valid	^
ARIA roles must have valid values in order to 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> .	le
 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> .	;
	^
When definition lists are not properly marked up, screen readers may produce confusing or inaccurate output. Learn more	<u>2</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>	
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.	

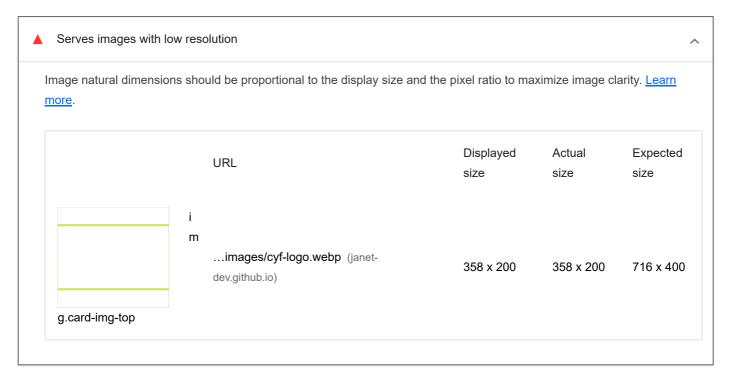
No form fields have multiple labels	^
Form fields with multiple labels can be confusingly announced by assistive technologies like screen readers which use either the first, the last, or all of the labels. <u>Learn more</u> .	
<frame/> or <iframe> elements have a title</iframe>	^
Screen reader users 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. Learn more.	
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>	vey
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.	^
Screen readers have features to make navigating tables easier. Ensuring `` cells using the `[headers]` attribute only refer to other cells in the same table may improve the experience for screen reader users. Learn more.	
elements and elements with [role="columnheader"/"rowheader"] have data cells they describe.	^
Screen readers have features to make navigating tables easier. Ensuring table headers always refer to some set of cells may improve the experience for screen reader users. <u>Learn more</u> .	
O [lang] attributes have a valid value	^

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



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	

PASSED AUDITS (12)

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. Displays images with correct aspect ratio Image display dimensions should match natural aspect ratio. 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. <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.min.js (cdn.jsdelivr.net) ...js/bootstrap.min.js.map (cdn.jsdelivr.net)

...umd/popper.min.js (cdn.jsdelivr.net) ...umd/popper.min.js.map (cdn.jsdelivr.net)

NOT APPLICABLE (2)

Fonts with font-display: optional are preloaded

Preload `optional` fonts so first-time visitors may use them. <u>Learn more</u>

Detected JavaScript libraries

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

Structured data is valid

attribute. Learn more.

Run the Structured Data Testing Tool and the Structured Data Linter to validate structured data. Learn more.

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

PASSED AUDITS (12)

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. Document has a meta description Meta descriptions may be included in search results to concisely summarize page content. 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. Image elements have [alt] attributes

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

Document has a valid hre	flang		^	
hreflang links tell search eng <u>Learn more</u> .	gines what version of a p	page they should list in search results f	for a given language or region.	
Document uses legible fo	nt sizes — 100% legibl	le 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 ≥12px. <u>Learn more</u> .				
Source	Selector	% of Page Text	Font Size	
Legible text		100.00%	≥ 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 app	ropriately — 100% app	propriately sized tap targets	^	
Interactive elements like but easy enough to tap without		e large enough (48x48px), and have er elements. <u>Learn more</u> .	nough space around them, to be	

NOT APPLICABLE (2) Hide

robots.txt is valid

 If your robots.txt file is malformed, crawlers may not be able to understand how you want your website to be crawled or indexed. Learn more.

 Document has a valid rel=canonical
 Canonical links suggest which URL to show in search results. Learn more.



PWA

▲ 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

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. <u>Learn more</u>.

▲ 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. <u>Learn more</u>.

Does not set a theme color for the address bar.

Failures: No manifest was fetched, No `<meta name="theme-color">` tag found.

The browser address bar can be themed to match your site. Learn more.

▲ Content is not sized correctly for the viewport The viewport size of 370px does not match the window size of 360px.

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>.

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 delay</u> to user input. <u>Learn more</u>. (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. <u>Learn More</u>.

▲ 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 de <u>Learn more</u> .	vice.
ADDITIONAL ITEMS TO MANUALLY CHECK (3)	Hide
O Site works cross-browser	^
To reach the most number of users, sites should work across every major browser. <u>Learn more</u> .	
O 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 performance. Learn more.	n of
O 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 Oct 5, 2022, 6:35 PM GMT+1 Initial page load Emulated Moto G4 with
Lighthouse 9.6.2
Slow 4G throttling

Single page load

<u>Using Chromium 106.0.0.0</u> with devtools

Generated by **Lighthouse** 9.6.2 | File an issue