











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

 $0.5 \, s$

Speed Index

 $0.5 \, s$

Largest Contentful Paint

 $0.8 \, s$

Time to Interactive

0.5 s

Total Blocking Time

0 ms

Cumulative Layout Shift

0

View Original Trace

View Treemap



















Show audits relevant to:

All FCP TBT LCP CLS

OPPORTUNITIES

Opportunity **Estimated Savings** 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	270 ms
/7c6e646adf.js (kit.fontawesome.com)	4.0 KiB	240 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
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	2 KiB

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: 440 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) - 70 ms, 0.88 KiB

 $... webfonts/free-fa-brands-400.woff 2 \ \ (ka-f.fontawesome.com) \ \textbf{-130 ms, 105.71 KiB}$

/7c6e646adf.js (kit.fontawesome.com) - 40 ms, 3.99 KiB

- ...umd/popper.min.js (cdn.jsdelivr.net) 60 ms, 7.56 KiB
- ...js/bootstrap.min.js (cdn.jsdelivr.net) 70 ms, 16.15 KiB
- O 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	416.7 KiB
Image	9	220.2 KiB
Font	1	105.7 KiB
Stylesheet	3	29.4 KiB
Other	4	29.3 KiB
Script	4	27.7 KiB
Document	2	4.4 KiB
Media	0	0.0 KiB
Third-party	12	191.6 KiB

Largest Contentful Paint element — 1 element found

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

img.card-img-top		
O Avoid long main-thread tasks — 1 long task found		^
Lists the longest tasks on the main thread, useful for identifying worst contrib	outors to input delay. <u>Learn mo</u>	re (TBT)
URL	Start Time	Duration
/ci-milestone-project-1/courses.html (janet-dev.github.io)	258 ms	106 ms
re information about the performance of your application. These numbers don	't <u>directly affect</u> the Performano	
re information about the performance of your application. These numbers don SSED AUDITS (34) Properly size images	't <u>directly affect</u> the Performano	e score.
SSED AUDITS (34)		Hid
SSED AUDITS (34) Properly size images		Hid
SSED AUDITS (34) Properly size images Serve images that are appropriately-sized to save cellular data and improve	load time. <u>Learn more</u> .	Hid
Properly size images Serve images that are appropriately-sized to save cellular data and improve Defer offscreen images Consider lazy-loading offscreen and hidden images after all critical resource	load time. <u>Learn more</u> .	Hid
Properly size images Serve images that are appropriately-sized to save cellular data and improve Defer offscreen images Consider lazy-loading offscreen and hidden images after all critical resource interactive. Learn more. Minify CSS	load time. <u>Learn more</u> .	Hid
Properly size images Serve images that are appropriately-sized to save cellular data and improve Defer offscreen images Consider lazy-loading offscreen and hidden images after all critical resource interactive. Learn more. Minify CSS	load time. <u>Learn more</u> . s have finished loading to lowe	Hi

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

Reduce unused CSS — Potential savings of 46 KiB

UF	RL		Transfer Size	Potential Savings
	css/bootstrap.min.css (cdn.jsdelivr.net))	27.0 KiB	25.6 KiB
	! * Font Awesome Free 6.2.0 by @font	tawesome - https://fontawesome.com * License -	20.2 KiB	20.0 KiB
Re	educe unused JavaScript			^
	uce unused JavaScript and defer load ity. <u>Learn more</u> . <u>LCP</u>	ling scripts until they are required to decrease by	tes consumed by ne	etwork
Eff	ficiently encode images			^
Optir	mized images load faster and consum	ne less cellular data. <u>Learn more</u> .		
	erve images in next-gen formats — P	Potential savings of 97 KiB		^
	ue formats like WebP and AVIF often r	provide better compression than PNG or JPFG v	which means faster	downloads
Imag	ge formats like WebP and AVIF often pless data consumption. <u>Learn more</u> .	orovide better compression than PNG or JPEG, v	which means faster Resource Size	Potential Savings
Imag			Resource	Potential
Imag and I	div.container-fluid.hero-	URLimages/christian-holzinger-	Resource Size	Potential Savings
Imag and I	div.container-fluid.hero- container.courses-container	URLimages/christian-holzinger-	Resource Size 175.6 KiB	Potential Savings 97.4 KiB
Imag and I	div.container-fluid.hero- container.courses-container	URLimages/christian-holzinger- unsplash.jpg (janet-dev.github.io)	Resource Size 175.6 KiB	Potential Savings 97.4 KiB
En Text-more Pro	div.container-fluid.hero- container.courses-container able text compression based resources should be served with the served	URLimages/christian-holzinger- unsplash.jpg (janet-dev.github.io)	Resource Size 175.6 KiB	Potential Savings 97.4 KiB

Keep the server response time for the main document short because all other requests depend on it. Le	earn more. FCP
URL	Time Spent
/ci-milestone-project-1/courses.html (janet-dev.github.io)	10 ms
Avoid multiple page redirects	^
Redirects introduce additional delays before the page can be loaded. <u>Learn more</u> . <u>FCP</u> <u>LCP</u>	
O Preload key requests	^
Consider using ` <link rel="preload"/> ` to prioritize fetching resources that are currently requested later in page. FCP LCP	oage load. <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 anim PNG/WebP for static images instead of GIF to save network bytes. Learn more LCP	mations and
Remove duplicate modules in JavaScript bundles	^
Remove large, duplicate JavaScript modules from bundles to reduce unnecessary bytes consumed by r	network activity.
Avoid serving legacy JavaScript to modern browsers	^
Polyfills and transforms enable legacy browsers to use new JavaScript features. However, many aren't modern browsers. For your bundled JavaScript, adopt a modern script deployment strategy using modu detection to reduce the amount of code shipped to modern browsers, while retaining support for legacy More TBT	ule/nomodule feature
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

	URL	Potential Savings
a ir	ng.c rd- ngimages/cyf-logo.webp (janet-dev.github.io) op	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. <u>Learn more</u>. <u>LCP</u>

✓ Show 3rd-party resources (5)

URL	Transfer Size
images/christian-holzinger-unsplash.jpg (janet-dev.github.io)	175.9 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

Avoids an excessive DOM size — 206 elements

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

Statistic	Element	Value
Total DOM Elements		206

Statistic	Element	Value
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 — 0.1 s

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

URL	Total CPU Time	Script Evaluation	Script Parse
/ci-milestone-project-1/courses.html (janet-dev.github.io)	197 ms	23 ms	85 ms
Unattributable	127 ms	4 ms	0 ms

Minimizes main-thread work — 0.5 s

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

Category	Time Spent
Other	160 ms
Script Evaluation	119 ms
Script Parsing & Compilation	115 ms

Category	Time Spent
Rendering	37 ms
Style & Layout	23 ms
Parse HTML & CSS	18 ms
Garbage Collection	5 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

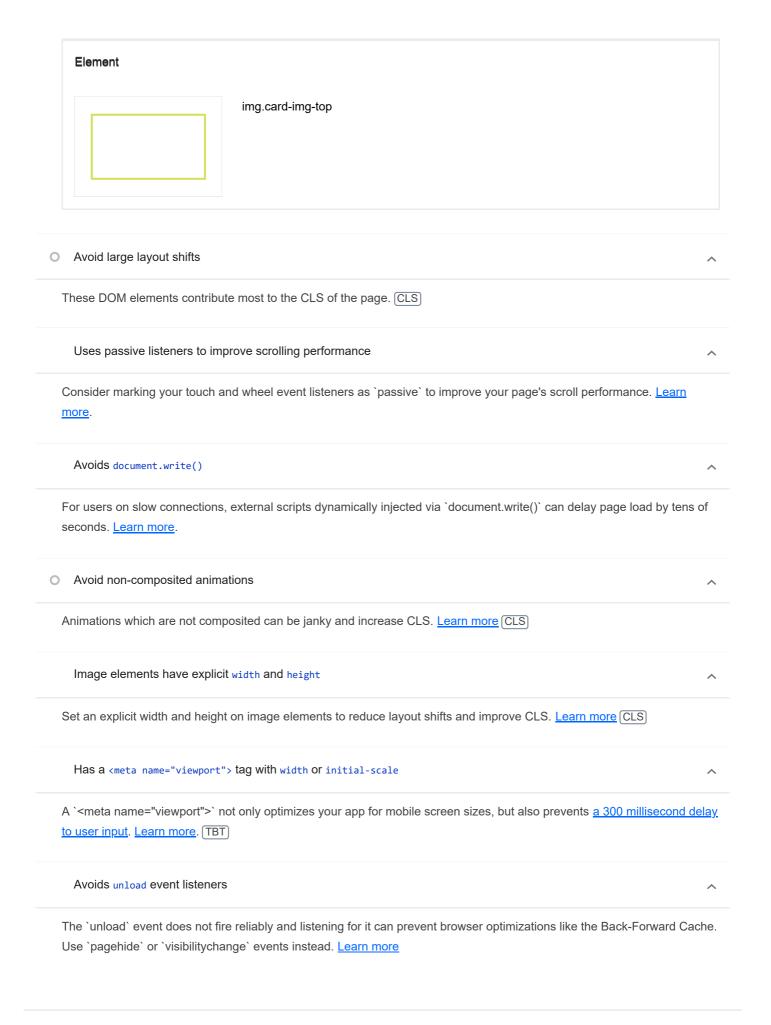
Third-Party	Transfer Size	Main-Thread Blocking Time
FontAwesome CDN	139 KiB	0 ms
webfonts/free-fa-brands-400.woff2 (ka-f.fontawesome.com)	106 KiB	0 ms
css/free.min.css?token=7c6e646adf (ka-f.fontawesome.com)	23 KiB	0 ms
Other resources	10 KiB	0 ms
JSDelivr CDN	51 KiB	0 ms
css/bootstrap.min.css (cdn.jsdelivr.net)	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 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. Learn more.





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

O The page has a logical tab order	^
Tabbing through the page follows the visual layout. Users cannot focus elements that are offscreen. <u>Learn more</u> .	
O Interactive controls are keyboard focusable	^
Custom interactive controls are keyboard focusable and display a focus indicator. <u>Learn more</u> .	
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. <u>Learn more</u> .	
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. <u>Learn more</u> .	
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. <u>Learn more</u> .	
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> .	

Landmark elements (<main>, <nav>, etc.) are used to improve the keyboard navigation of the page for assistive technology.

HTML5 landmark elements are used to improve navigation

Learn more.

attribute. Learn more.

than 5.

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

PASSED AUDITS (18) Hide

[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. [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. 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 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

[user-scalable="no"] is not used in the <meta name="viewport"> element and the [maximum-scale] attribute is not less

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 <1i> 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

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 more. button, link, and menuitem elements have accessible names When an element doesn't have an accessible name, screen readers announce it with a generic name, making it unusable for users who rely on screen readers. 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 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. Learn more [role]s have all required [aria-*] attributes Some ARIA roles have required attributes that describe the state of the element to screen readers. Learn more. Elements with an ARIA [role] that require children to contain a specific [role] have all required children. Some ARIA parent roles must contain specific child roles to perform their intended accessibility functions. Learn more.

[role]s are contained by their required parent element

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

Some ARIA child roles must be contained by specific parent roles to properly perform their intended accessibility function Learn more.	ons.
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	^
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> .	able
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 unusal for users who rely on screen readers. <u>Learn more</u> .	ble
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 unusal for users who rely on screen readers. <u>Learn more</u> .	ble
	^
When definition lists are not properly marked up, screen readers may produce confusing or inaccurate output. Learn me	ore.
O Definition list items are wrapped in <d1> elements</d1>	^
Definition list items (' <dt>' and '<dd>') must be wrapped in a parent '<dl>' element to ensure that screen readers can properly announce them. <u>Learn more</u>.</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. <u>Learn more</u> .	d
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 con meaning to users. Learn more.</object>	nvey
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.	
	^
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> .	5
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. Leamore.	<u>rn</u>
<pre></pre>	^
When a video provides a caption it is easier for deaf and hearing impaired users to access its information. Learn more.	

I



Best Practices

TRUST AND SAFETY

Ensure CSP is effective against XSS attacks			^
A strong Content Security Policy (CSP) significantly re	educes 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 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.

Dis	splays images with correct aspect ratio		^
lmag	ge display dimensions should match natural aspect ratio. <u>L</u>	earn more.	
Se	erves images with appropriate resolution		^
lmag <u>more</u>	ge natural dimensions should be proportional to the display	size and the pixel ratio to maximize image clarity. <u>Learn</u>	
Pa	nge has the HTML doctype		^
Spec	cifying a doctype prevents the browser from switching to qu	uirks-mode. <u>Learn more</u> .	
Pro	operly defines charset		^
	aracter encoding declaration is required. It can be done wi	th a ` <meta/> ` tag in the first 1024 bytes of the HTML or in	
Av	roids deprecated APIs		^
Depr	recated APIs will eventually be removed from the browser.	Learn more.	
No	b browser errors logged to the console		^
	rs logged to the console indicate unresolved problems. The terns. <u>Learn more</u>	ey can come from network request failures and other brows	ser
No	o issues in the Issues panel in Chrome Devtools		^
requ	es logged to the `Issues` panel in Chrome Devtools indicat est failures, insufficient security controls, and other browse nore details on each issue.	re unresolved problems. They can come from network er concerns. Open up the Issues panel in Chrome DevTools	6
Pa	nge has valid source maps		^
		e. This helps developers debug in production. In addition, ng source maps to take advantage of these benefits. <u>Learn</u>	
UF	RL	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. Learn more
 Detected JavaScript libraries
 All front-end JavaScript libraries detected on the page. 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.

ADDITIONAL ITEMS TO MANUALLY CHECK (1)	Hide
O 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)	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 m</u> to user input. <u>Learn more</u> . (TBT)	illisecond 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>termine if a</td></tr><tr><td>Document has a meta description</td><td>^</td></tr></tbody></table></title>	

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 attribute. Learn more. Document has a valid hreflang hreflang links tell search engines what version of a page they should list in search results for a given language or region. Learn more. Document avoids plugins Search engines can't index plugin content, and many devices restrict plugins or don't support them. Learn more. NOT APPLICABLE (4) 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.

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

Does not register a service worker that controls page and start_url

The service worker is the technology that enables your app to use many Progressive Web App features, such as offline, add to homescreen, and push notifications. <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</u> more.

Failures: No manifest was fetched, No ` <meta name="theme-color"/> ` tag found.	^
The browser address bar can be themed to match your site. <u>Learn more</u> .	
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 mot screens. <u>Learn more</u> .	oile
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 millisecto user input</u> . <u>Learn more</u> . <u>TBT</u>	cond delay
▲ 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-must point to a non-transparent 192px (or 180px) square PNG. <u>Learn More</u> .	icon`. It
▲ 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 Learn more.	ı a device.
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> .	
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 performance. Learn more.	ception 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 so media. Learn more.	ocial
These checks are required by the baseline <u>PWA Checklist</u> but are not automatically checked by Lighthouse. They do new your score but it's important that you verify them manually.	not affect

Does not set a theme color for the address par.

Captured at Oct 5, 2022, 6:33 Emulated Desktop with Single page load

PM GMT+1 <u>Lighthouse 9.6.2</u>

Initial page load <u>Custom throttling</u> <u>Using Chromium 106.0.0.0</u>

with devtools

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