

http://localhost:3000/notes2





















Performance

Accessibility

Best Practices

SEO

Progressive Web App





Performance

Metrics			=
First Contentful Paint	1.2 s	Time to Interactive	1.2 s
Speed Index	1.2 s	Total Blocking Time	20 ms
Largest Contentful Paint	1.3 s	Cumulative Layout Shift	0.023

Values are estimated and may vary. The performance score is calculated directly from these metrics. See calculator.

View Original Trace



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

Opportunity Estimated Savings

Remove unused JavaScript 0.28 s ^

Remove unused JavaScript to reduce bytes consumed by network activity. Learn more.



If you are not server-side rendering, <u>split your JavaScript bundles</u> with `React.lazy()`. Otherwise, code-split using a third-party library such as <u>loadable-components</u>.

Stylesheet

	Show 3rd-party	` ,
URL	Transfer Size	Potentia Saving
js/vendors~main.chunk.js (localhost)	869.5 KiB	347.8 KiB
agnostics — More information about the performance or erformance score.	f your application. These numbers don't <u>directly affect</u> the	
Serve static assets with an efficient cache policy — 3	resources found	/
A long cache lifetime can speed up repeat visits to you	r page. <u>Learn more</u> .	
	Show 3rd-party	resources (0)
URL	Cache TTL	Transfer Siz
js/vendors~main.chunk.js (localhost)	None	870 KiB
js/main.chunk.js (localhost)	None	11 KiB
js/bundle.js (localhost)	None	7 KiB
Avoid chaining critical requests — 3 chains found The Critical Request Chains below show you what reso	purces are loaded with a high priority. Consider reducing t	
The Critical Request Chains below show you what reso	ources are loaded with a high priority. Consider reducing t ferring the download of unnecessary resources to improve	_
The Critical Request Chains below show you what resc chains, reducing the download size of resources, or de		he length of
The Critical Request Chains below show you what reso chains, reducing the download size of resources, or de Learn more. Maximum critical path latency: 530 ms <i>Initial Navigation</i>		he length of
The Critical Request Chains below show you what reso chains, reducing the download size of resources, or de Learn more. Maximum critical path latency: 530 ms <i>Initial Navigation</i> /notes2 (localhost)	ferring the download of unnecessary resources to improve	he length of
The Critical Request Chains below show you what reso chains, reducing the download size of resources, or de Learn more. Maximum critical path latency: 530 ms <i>Initial Navigation</i> /notes2 (localhost) js/bundle.js (localhost) - 10 ms, 7.23 Kil	ferring the download of unnecessary resources to improve	he length of
The Critical Request Chains below show you what reso chains, reducing the download size of resources, or de Learn more. Maximum critical path latency: 530 ms <i>Initial Navigation</i> /notes2 (localhost)	ferring the download of unnecessary resources to improve B 70 ms, 869.54 KiB	he length of
The Critical Request Chains below show you what reso chains, reducing the download size of resources, or de Learn more. Maximum critical path latency: 530 ms Initial Navigation /notes2 (localhost) js/bundle.js (localhost) - 10 ms, 7.23 Kill js/vendors~main.chunk.js (localhost) - 1	ferring the download of unnecessary resources to improve B 70 ms, 869.54 KiB 0.55 KiB	he length of
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The Critical Request Chains below show you what resorchains, reducing the download size of resources, or de Learn more. Maximum critical path latency: 530 ms Initial Navigation Inotes2 (localhost) js/bundle.js (localhost) - 10 ms, 7.23 Kil js/vendors~main.chunk.js (localhost) - 1 js/main.chunk.js (localhost) - 180 ms, 1 Keep request counts low and transfer sizes small — 8	Ferring the download of unnecessary resources to improve B 70 ms, 869.54 KiB 0.55 KiB 8 requests • 890 KiB	he length of e page load.
The Critical Request Chains below show you what resorchains, reducing the download size of resources, or de Learn more. Maximum critical path latency: 530 ms Initial Navigation /notes2 (localhost) js/bundle.js (localhost) - 10 ms, 7.23 Kill js/vendors~main.chunk.js (localhost) - 1 js/main.chunk.js (localhost) - 180 ms, 10 Keep request counts low and transfer sizes small — 8 To set budgets for the quantity and size of page resources.	Ferring the download of unnecessary resources to improve B 70 ms, 869.54 KiB 0.55 KiB B requests • 890 KiB ces, add a budget.json file. Learn more.	he length of e page load. Transfer Siz
The Critical Request Chains below show you what resorchains, reducing the download size of resources, or de Learn more. Maximum critical path latency: 530 ms Initial Navigation /notes2 (localhost) js/bundle.js (localhost) - 10 ms, 7.23 Kill js/vendors~main.chunk.js (localhost) - 1 js/main.chunk.js (localhost) - 180 ms, 10 Keep request counts low and transfer sizes small — 8 To set budgets for the quantity and size of page resource.	Ferring the download of unnecessary resources to improve B 70 ms, 869.54 KiB 0.55 KiB 3 requests • 890 KiB ces, add a budget.json file. Learn more. Requests	he length of e page load.
The Critical Request Chains below show you what resorchains, reducing the download size of resources, or de Learn more. Maximum critical path latency: 530 ms Initial Navigation /notes2 (localhost) js/bundle.js (localhost) - 10 ms, 7.23 Kill js/vendors~main.chunk.js (localhost) - 1 js/main.chunk.js (localhost) - 180 ms, 10 Keep request counts low and transfer sizes small — 8 To set budgets for the quantity and size of page resource.	Ferring the download of unnecessary resources to improve B 70 ms, 869.54 KiB 0.55 KiB 8 requests • 890 KiB ces, add a budget.json file. Learn more. Requests 8	he length of e page load. Transfer Siz 890.3 KiB

0

0.0 KiB

Resource Type	Requests		Transfer Siz
Image	0		0.0 KiB
Media	0		0.0 KiB
Font	0		0.0 KiB
Third-party	0		0.0 KiB
Largest Contentful Paint element — 1 eleme	ent found		/
This is the largest contentful element painted	within the viewport. <u>Learn More</u>		
Element			
h1.center			
Avoid large layout shifts — 1 element found These DOM elements contribute most to the			^
Element			LS Contributior
iooter.text-center.te	ext-xs.text-white.p-3.absolute.bottom-0.w-full	.bg-dark	
			0.023
Avoid long main-thread tasks — 1 long task	found		^
Lists the longest tasks on the main thread, us	seful for identifying worst contributors to inpu	t delay. <u>Learn more</u>	
		Show 3rd-party	resources (0)
URL		Start Time	Duration
js/vendors~main.chunk.js (localhost)		1,051 ms	211 ms
sed audits (30)			^
Eliminate render-blocking resources			
Resources are blocking the first paint of your JS/styles. <u>Learn more</u> .	page. Consider delivering critical JS/CSS in	line and deferring all no	on-critical
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 — Potential savings of 138 KiB

Minifying CSS files can reduce network payload sizes. Learn more.



If your build system minifies CSS files automatically, ensure that you are deploying the production build of your application. You can check this with the React Developer Tools extension. Learn more.

Show 3rd-party resources (0)

Transfer Potential **URL** Size Savings

/*! * Bootstrap v4.6.0 (https://getbootstrap.com/) * Copyright 2011-2021 The Bootstrap 167.2 KiB 138.4 KiB Authors * ...

Minify JavaScript





If your build system minifies JS files automatically, ensure that you are deploying the production build of your application. You can check this with the React Developer Tools extension. Learn more.

Remove unused CSS — Potential savings of 167 KiB

Remove dead rules from stylesheets and defer the loading of CSS not used for above-the-fold content to reduce unnecessary bytes consumed by network activity. Learn more.

Show 3rd-party resources (0)

Transfer Potential **URL** Savings Size

/*! * Bootstrap v4.6.0 (https://getbootstrap.com/) * Copyright 2011-2021 The Bootstrap 167.2 KiB 166.7 KiB

Efficiently encode images

Optimized images load faster and consume less cellular data. Learn more.

Serve images in next-gen formats

Image formats like JPEG 2000, JPEG XR, and WebP often provide better compression than PNG or JPEG, which means faster downloads and less data consumption. Learn more.

Enable text compression

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

Preconnect to required origins

<u>Learn more</u> .	
Initial server response time was short — Root document took 0 ms	^
Keep the server response time for the main document short because all other requests depend on it. <u>Learn more</u> .	
Show 3rd-party resources ((0)
URL Time Sp	ent
/notes2 (localhost)	ns
Avoid multiple page redirects	^
Redirects introduce additional delays before the page can be loaded. <u>Learn more</u> .	
If you are using React Router, minimize usage of the ` <redirect>` component for <u>route navigations</u>.</redirect>	
Preload key requests	^
Consider using ` k rel=preload>` to prioritize fetching resources that are currently requested later in page load. <u>Learn more</u>.	
Use HTTP/2	^
HTTP/2 offers many benefits over HTTP/1.1, including binary headers and multiplexing. <u>Learn more</u> .	
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>	
Remove duplicate modules in JavaScript bundles	^
Remove large, duplicate JavaScript modules from bundles to reduce unnecessary bytes consumed by network activity.	
Avoid serving legacy JavaScript to modern browsers	^
Polyfills and transforms enable legacy browsers to use new JavaScript features. However, many aren't necessary for modern browsers. For your bundled JavaScript, adopt a modern script deployment strategy using module/nomodule feature detection to reduce the amount of code shipped to modern browsers, while retaining support for legacy browsers. <u>Learn More</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> .	
Avoids enormous network payloads — Total size was 890 KiB	^
Large network payloads cost users real money and are highly correlated with long load times. <u>Learn more</u> .	
Show 3rd-party resources ((0)
URL Transfer S	Size

Consider adding 'preconnect' or 'dns-prefetch' resource hints to establish early connections to important third-party origins.

URL	Transfer Size
js/vendors~main.chunk.js (localhost)	869.5 KiB
js/main.chunk.js (localhost)	10.5 KiB
js/bundle.js (localhost)	7.2 KiB
/script.js (localhost)	1.2 KiB
/notes2 (localhost)	1.2 KiB
/notes (localhost)	0.4 KiB
/script.js (localhost)	0.3 KiB

Avoids an excessive DOM size — 31 elements

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



Consider using a "windowing" library like `react-window` to minimize the number of DOM nodes created if you are rendering many repeated elements on the page. <u>Learn more</u>. Also, minimize unnecessary re-renders using <u>`shouldComponentUpdate`</u>, <u>`PureComponent`</u>, or <u>`React.memo`</u> and <u>skip effects</u> only until certain dependencies have changed if you are using the `Effect` hook to improve runtime performance.

Statistic	Element	Value
Total DOM Elements		31
Maximum DOM Depth	h1	6
Maximum Child Elements	nav.navbar.bg-	dark.container 7

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>.



Use the React DevTools Profiler, which makes use of the Profiler API, to measure the rendering performance of your components. <u>Learn more.</u>

JavaScript execution time — 0.2 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>.

Show 3rd-party resources (0)

URL	Total CPU Time	Script Evaluation	Script Parse
js/vendors~main.chunk.js (localhost)	117 ms	9 ms	59 ms
js/main.chunk.js (localhost)	94 ms	92 ms	2 ms
Unattributable	57 ms	2 ms	0 ms
Minimizes main-thread work — 0.3 s			^
Consider reducing the time spent parsing, compiling and exer with this. <u>Learn more</u>	cuting JS. You may find	delivering smaller JS payl	oads helps
Category			Time Spent
Script Evaluation			108 ms
Other			106 ms
Script Parsing & Compilation			62 ms
Garbage Collection			8 ms
Style & Layout			5 ms
Parse HTML & CSS			3 ms
Rendering			2 ms
All text remains visible during webfont loads			^
Leverage the font-display CSS feature to ensure text is user-	visible while webfonts a	re loading. <u>Learn more</u> .	
Minimize third-party usage			^
Third-party code can significantly impact load performance. L load third-party code after your page has primarily finished load.		ndant third-party providers	and try to
Lazy load third-party resources with facades			^
Some third-party embeds can be lazy loaded. Consider repla	cing them with a facade	until they are required. Le	earn more.
Uses passive listeners to improve scrolling performance			^
Consider marking your touch and wheel event listeners as `pa	assive` to improve your	page's scroll performance	. <u>Learn more</u> .
Avoids document.write()			^
For users on slow connections, external scripts dynamically in seconds. <u>Learn more</u> .	njected via `document.w	rite()` can delay page load	d by tens of
Avoid non-composited animations			^
Animations which are not composited can be janky and incre-	ase CLS. <u>Learn more</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>



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.

	<u>v</u>	detected so manual testing is also encouraged.	
Co	ntrast — These are opportun	nities to improve the legibility of your content.	
A	Background and foreground	colors do not have a sufficient contrast ratio.	^
	Low-contrast text is difficult of	or impossible for many users to read. <u>Learn more</u> .	
	Failing Elements		
		a.Link	
		a.Link	

a.Link

a.Link

	a.Link	
	a.Link	
	a.Link	
ditional items to manually che in our guide on conducting a	eck (10) — These items address areas which an automated testing tool cannot cover. Le	arn 🗸
The page has a logical tab or	der	•
The page has a logical tab ordinate through the page follows:	der ows the visual layout. Users cannot focus elements that are offscreen. <u>Learn more</u> .	
Tabbing through the page follo	ows the visual layout. Users cannot focus elements that are offscreen. <u>Learn more</u> .	
Tabbing through the page following through the p	ows the visual layout. Users cannot focus elements that are offscreen. <u>Learn more</u> .	
Tabbing through the page following through the p	ows the visual layout. Users cannot focus elements that are offscreen. Learn more. ard focusable re keyboard focusable and display a focus indicator. Learn more.	,
Tabbing through the page following through the page following interactive controls are keyboo Custom interactive controls at Interactive elements indicate	ows the visual layout. Users cannot focus elements that are offscreen. Learn more. ard focusable re keyboard focusable and display a focus indicator. Learn more.	•
Tabbing through the page following through the page following interactive controls are keyboo custom interactive controls and interactive elements indicated interactive elements, such as elements. Learn more.	ows the visual layout. Users cannot focus elements that are offscreen. Learn more. ard focusable re keyboard focusable and display a focus indicator. Learn more. their purpose and state	
Tabbing through the page following interactive controls are keybook. Custom interactive controls and interactive elements indicate interactive elements, such as elements. Learn more. The user's focus is directed to the controls are keybook.	ows the visual layout. Users cannot focus elements that are offscreen. Learn more. ard focusable re keyboard focusable and display a focus indicator. Learn more. their purpose and state links and buttons, should indicate their state and be distinguishable from non-interactive	
Tabbing through the page following interactive controls are keybook. Custom interactive controls and interactive elements indicate interactive elements, such as elements. Learn more. The user's focus is directed to the controls are keybook.	ows the visual layout. Users cannot focus elements that are offscreen. Learn more. ard focusable re keyboard focusable and display a focus indicator. Learn more. their purpose and state links and buttons, should indicate their state and be distinguishable from non-interactive o new content added to the page og, is added to the page, the user's focus is directed to it. Learn more.	
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Tabbing through the page following interactive controls are keyboo Custom interactive controls and Interactive elements indicated Interactive elements, such as elements. Learn more. The user's focus is directed to the interactive element, such as a dialocated form. User focus is not accidentally A user can tab into and out of Custom controls have associated form.	ows the visual layout. Users cannot focus elements that are offscreen. Learn more. ard focusable re keyboard focusable and display a focus indicator. Learn more. their purpose and state links and buttons, should indicate their state and be distinguishable from non-interactive re new content added to the page reg, is added to the page, the user's focus is directed to it. Learn more. trapped in a region any control or region without accidentally trapping their focus. Learn more.	,
Tabbing through the page following interactive controls are keyboo Custom interactive controls and Interactive elements indicated interactive elements, such as elements. Learn more. The user's focus is directed to the interactive element, such as a dialocated interactive elements. Learn more. The user's focus is directed to the interactive element, such as a dialocated interactive elements, such as elements. Learn more. The user's focus is directed to the interactive elements indicated in the indicated in the interactive elements indicated in the	ows the visual layout. Users cannot focus elements that are offscreen. Learn more. ard focusable re keyboard focusable and display a focus indicator. Learn more. their purpose and state links and buttons, should indicate their state and be distinguishable from non-interactive onew content added to the page og, is added to the page, the user's focus is directed to it. Learn more. trapped in a region any control or region without accidentally trapping their focus. Learn more. ated labels are associated labels, provided by aria-label or aria-labelledby. Learn more.	

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. Learn more.

Passed audits (8)

[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.

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.

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. <u>Learn more</u>.

Heading elements appear in a sequentially-descending order

Properly ordered headings that do not skip levels convey the semantic structure of the page, making it easier to navigate and understand when using assistive technologies. <u>Learn more</u>.

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

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. <u>Learn more</u>.

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

Not applicable (35)

[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 [aria-*] attributes match their roles Each ARIA `role` supports a specific subset of `aria-*` attributes. Mismatching these invalidates the `aria-*` attributes. 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-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. 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 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 [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 Some ARIA child roles must be contained by specific parent roles to properly perform their intended accessibility functions. Learn more. [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 unusable for users who rely on screen readers. Learn more. 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. Learn more. 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. 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. <dl>'s contain only properly-ordered <dt> and <dd> groups, <script>, <template> or <div> elements. When definition lists are not properly marked up, screen readers may produce confusing or inaccurate output. Learn more. Definition list items are wrapped in <dl> elements 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. [id] attributes on active, focusable elements are unique All focusable elements must have a unique 'id' to ensure that they're visible to assistive technologies. Learn more. ARIA IDs are unique The value of an ARIA ID must be unique to prevent other instances from being overlooked by assistive technologies. 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. Learn more. <frame> or <iframe> elements have a title Screen reader users rely on frame titles to describe the contents of frames. 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. <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.

12/20

Form elements have associated labels Labels ensure that form controls are announced properly by assistive technologies, like screen readers. 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 (<1i>) are contained within or parent elements Screen readers require list items ('') to be contained within a parent '' or '' to be announced properly. Learn more. 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. Learn more. <object> elements have [alt] text Screen readers cannot translate non-text content. Adding alt text to '<object>' elements helps screen readers convey meaning to users. Learn more. No element has a [tabindex] value greater than 0 A value greater than 0 implies an explicit navigation ordering. Although technically valid, this often creates frustrating experiences for users who rely on assistive technologies. Learn more. 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. Learn more. [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. <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.



General

A	Uses de	Uses deprecated APIs — 1 warning found			
Deprecated APIs will eventually be removed from the browser. <u>Learn more</u> .					
			Show 3rd-party resources (0)		
	Depreca	tion / Warning	Source		
		ArrayBuffer will require cross-origin isolation as of M91, around May 2021. See developer.chrome.com/blog/enabling-shared-array-buffer/ for more details.	vendors~main.ch unk.js:87136		
A	Browser	errors were logged to the console	^		
		gged to the console indicate unresolved problems. They can come from network red s. <u>Learn more</u>	quest failures and other browser		
			Show 3rd-party resources (0)		
	Source	Description			
		A bad HTTP response code (404) was received when fetching the script.			
	notes 2:1	Failed to load resource: the server responded with a status of 404 (Not Found)			
	script. js:10	TypeError: btnAdd.addEventListener is not a function at http://localhost:3000/	script.js:10:12		
	notes 2:1	TypeError: Failed to register a ServiceWorker for scope ('http://localhost:3000('http://localhost:3000/notes2'): A bad HTTP response code (404) was received			
	vendo rs~m ain.ch unk.js :7669	Warning: Each child in a list should have a unique "key" prop.%s%s See https:/for more information.%s Check the render method of `Notes2`. at div at Notes2 (http://localhost:3000/static/js/main.chunk.js:1857:83) at Route (http://localhost:3000/static/js/vendors~main.chunk.js:81365:29) at Router (http://localhost:3000/static/js/vendors~main.chunk.js:81000:30) at BrowserRou (http://localhost:3000/static/js/vendors~main.chunk.js:80620:35) at App			
Pas	sed aud	its (15)	^		
	Uses H	TPS	^		
	where s	should be protected with HTTPS, even ones that don't handle sensitive data. This in ome resources are loaded over HTTP despite the initial request being served over H from tampering with or passively listening in on the communications between your site for HTTP/2 and many new web platform APIs. <u>Learn more</u> .	ITTPS. HTTPS prevents		
	Links to	cross-origin destinations are safe	^		
	Add `rel	="noopener"` or `rel="noreferrer"` to any external links to improve performance and ore.	prevent security vulnerabilities.		

Avoids requesting the geolocation permission on page load

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. 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 unload event listeners The 'unload' event does not fire reliably and listening for it can prevent browser optimizations like the Back-Forward Cache. Consider using the 'pagehide' or 'visibilitychange' events instead. Learn more Avoids Application Cache Application Cache is deprecated. Learn more. **Detected JavaScript libraries** All front-end JavaScript libraries detected on the page. Learn more. Name Version React Page has valid source maps Source maps translate minified code to the original source code. This helps developers debug in production. In addition, Lighthouse is able to provide further insights. Consider deploying source maps to take advantage of these benefits. Learn

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

more.

	Show 3rd-party resources (0)
URL	Map URL
js/vendors~main.chunk.js (localhost)	js/vendors~main.chunk.js.map (localhost)
js/main.chunk.js (localhost)	js/main.chunk.js.map (localhost)
js/bundle.js (localhost)	js/bundle.js.map (localhost)
No issues in the Issues panel in Chrome Devtools	^
	tools indicate unresolved problems. They can come from network request waser concerns. Open up the Issues panel in Chrome DevTools for more
Not applicable (1)	^
Fonts with font-display: optional are preloaded	^
Preload `optional` fonts so first-time visitors may us	se them. <u>Learn more</u>



These checks ensure that your page is optimized for search engine results ranking. There are additional factors Lighthouse does not check that may affect your search ranking. <u>Learn more</u>.

Additional items to manually check (1) — Run these additional validators on your site to check additional SEO best practices.

Structured data is valid

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

Passed audits (9)

Has a <meta name="viewport"> tag with width or initial-scale

Add a `<meta name="viewport"> tag to optimize your app for mobile screens. Learn more.

	is relevant to their search. <u>Learn more</u> .	je
	Document has a meta description	^
	Meta descriptions may be included in search results to concisely summarize page content. <u>Learn more</u> .	
	Page has successful HTTP status code	^
	Pages with unsuccessful HTTP status codes may not be indexed properly. <u>Learn more</u> .	
	Links have descriptive text	^
	Descriptive link text helps search engines understand your content. <u>Learn more</u> .	
	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. <u>Learn more</u> .	
	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. <u>Learn more.</u>	
	Document avoids plugins	^
	Search engines can't index plugin content, and many devices restrict plugins or don't support them. <u>Learn more</u> .	
No	t applicable (5)	^
	robots.txt is valid	^
	If your robots.txt file is malformed, crawlers may not be able to understand how you want your website to be crawled or indexed. <u>Learn more</u> .	
	Image elements have [alt] attributes	^
	Informative elements should aim for short, descriptive alternate text. Decorative elements can be ignored with an empty alt attribute. <u>Learn more</u> .	
	Document has a valid rel=canonical	^
	Canonical links suggest which URL to show in search results. <u>Learn more</u> .	
	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>.



Progressive Web App

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

Installable

Meb 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

No matching service worker detected. You may need to reload the page, or check that the scope of the service worker for the current page encloses the scope and start URL from the manifest.

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>.

Redirects HTTP traffic to HTTPS

If you've already set up HTTPS, make sure that you redirect all HTTP traffic to HTTPS in order to enable secure web features for all your users. <u>Learn more</u>.

Configured for a custom splash screen

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

Sets a theme color for the address bar.

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

Content is sized correctly for the viewport

If the width of your app's content doesn't match the width of the viewport, your app might not be optimized for mobile screens. <u>Learn more</u>.

4.202	.1	
	Has a <meta name="viewport"/> tag with width or initial-scale	^
	Add a ` <meta name="viewport"/> ` tag to optimize your app for mobile screens. Learn more.	
	Provides 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> .	
A	Manifest doesn't have a maskable icon	^
	A maskable icon ensures that the image fills the entire shape without being letterboxed when installing the app on a device. <u>Learn more</u> .	
	Iditional items to manually check (3) — These checks are required by the baseline PWA Checklist but are not tomatically checked by Lighthouse. They do not affect your score but it's important that you verify them manually.	^

Site works cross-browser

To reach the most number of users, sites should work across every major browser. Learn more.

Page transitions don't feel like they block on the network

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

Each page has a URL

User agent (network)

Ensure individual pages are deep linkable via URL and that URLs are unique for the purpose of shareability on social media. Learn more.

Runtime Settings

Mozilla/5.0 (Macintosh; Intel Mac OS X 10_14_6) AppleWebKit/537.36 (KHTML,

 URL
 http://localhost:3000/notes2

 Fetch Time
 Apr 24, 2021, 10:51 PM GMT+2

 Device
 Emulated Desktop

 Network throttling
 40 ms TCP RTT, 10,240 Kbps throughput (Simulated)

 CPU throttling
 1x slowdown (Simulated)

 Channel
 devtools

 User agent (host)
 Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/90.0.4430.85 Safari/537.36

like Gecko) Chrome/90.0.4420.0 Safari/537.36 Chrome-Lighthouse

CPU/Memory Power 1084

Axe version 4.1.2

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