





Performance

First	Contentful Pai	nt		0.9 s	First	Meaningful F	Paint		0.9
Spee	d Index			0.9 s	First	CPU Idle			0.9
Time	to Interactive			0.9 s	Max	Potential Firs	st Input Delay		60 r
View Tr		nd may vary.	The performal	nce score is bas	sed only on	these metric	S.	Section 2	*****
View Tr	e estimated ar							Pastile	Pastile
View Tr	e estimated ar	Sanstrem 1 ⊘ -	- Perklem1 ⊗ -	Pesthem1 ⊕ +	Paratism 1 © +	Pars Nem 1 ⊹ ⊹	- PestFem1 ⊕ +		I CANADA

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

O	pportunity	Estimated Savings
	Preconnect to required origins	0.14 s ^
	Consider adding `preconnect` or `dns-prefetch` resource hints to establish early connections to important Learn more.	ant third-party origins.
	URL	Potential Savings
	https://api-ratp.pierre-grimaud.fr	140 ms

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

Avoid chaining critical requests — 1 chain found

The Critical Request Chains below show you what resources are loaded with a high priority. Consider reducing the length of chains, reducing the download size of resources, or deferring the download of unnecessary resources to improve page load. Learn more.

Maximum critical path latency: 40 ms

Initial Navigation

http://127.0.0.1:8080

/styles/inline.css (127.0.0.1) - 10 ms, 12.24 KB

Keep request counts low and transfer sizes small — 6 requests • 33 KB

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

Resource Type	Requests	Transfer Size
Total	6	33 KB
Script	1	13 KB
Stylesheet	1	12 KB
Document	1	4 KB
Image	2	2 KB
Other	1	2 KB
Media	0	0 KB
Font	0	0 KB
Third-party	1	2 KB

Passed audits (21)

Eliminate render-blocking resources — Potential savings of 0 ms

Resources are blocking the first paint of your page. Consider delivering critical JS/CSS inline and deferring all non-critical JS/styles. <u>Learn more</u>.

Show 3rd-party resources (0)

URL Size Potential Savings

/styles/inline.css (127.0.0.1) 12 KB 180 ms

Properly size images

Serve images that are appropriately-sized to save cellular data and improve load time. <u>Learn more.</u>

Defer offscreen images		^
Consider lazy-loading offscreen and hidden images after all critical resources have finish interactive. <u>Learn more</u> .	ed loading to lower time to)
Minify CSS — Potential savings of 3 KB		^
Minifying CSS files can reduce network payload sizes. <u>Learn more</u> .		
	Show 3rd-party re	sources (0)
URL	Size	Potential Savings
/styles/inline.css (127.0.0.1)	12 KB	3 KB
Minify JavaScript — Potential savings of 7 KB		^
Minifying JavaScript files can reduce payload sizes and script parse time. <u>Learn more</u> .		
	Show 3rd-party re	sources (0)
URL	Size	Potential Savings
/scripts/app.js (127.0.0.1)	13 KB	7 KB
Remove unused CSS		^
Remove dead rules from stylesheets and defer the loading of CSS not used for above-th unnecessary bytes consumed by network activity. <u>Learn more</u> .	e-fold content to reduce	
Efficiently encode images		^
Optimized images load faster and consume less cellular data. <u>Learn more</u> .		
Serve images in next-gen formats		^
Image formats like JPEG 2000, JPEG XR, and WebP often provide better compression to faster downloads and less data consumption. <u>Learn more</u> .	han PNG or JPEG, which	means
Enable text compression — Potential savings of 38 KB		^
Text-based resources should be served with compression (gzip, deflate or brotli) to mining more.	nize total network bytes. <u>L</u>	<u>earn</u>
	Show 3rd-party re	sources (0)
URL	Size	Potential Savings
/styles/inline.css (127.0.0.1)	24 KB	21 KB
/scripts/app.js (127.0.0.1)	13 KB	11 KB
http://127.0.0.1:8080	8 KB	6 KB

Server response times are low (TTFB) — Root document took 0 ms		,
Fime To First Byte identifies the time at which your server sends a response. <u>Learn m</u>	nore.	
Avoid multiple page redirects		,
Redirects introduce additional delays before the page can be loaded. <u>Learn more</u> .		
Preload key requests		,
Consider using ` <link rel="preload"/> ` to prioritize fetching resources that are currently nore.	requested later in page load. <u>L</u>	<u>earn</u>
Use video formats for animated content		,
Large GIFs are inefficient for delivering animated content. Consider using MPEG4/WiPNG/WebP for static images instead of GIF to save network bytes. <u>Learn more</u>	ebM videos for animations and	t
Avoids enormous network payloads — Total size was 33 KB		/
arge network payloads cost users real money and are highly correlated with long loa	ad times. <u>Learn more</u> .	
	Show 3rd-party res	sources (1)
JRL		Siz
/scripts/app.js (127.0.0.1)		13 KB
/styles/inline.css (127.0.0.1)		12 KB
http://127.0.0.1:8080		4 KB
bastille/A (api-ratp.pierre-grimaud.fr)		2 KB
/images/ic_refresh_white_24px.svg (127.0.0.1)		1 KB
/images/ic_add_white_24px.svg (127.0.0.1)		1 KB
Jses efficient cache policy on static assets — 4 resources found		
A long cache lifetime can speed up repeat visits to your page. <u>Learn more</u> .		
	Show 3rd-party res	sources (0)
JRL	Cache TTL	Siz
/scripts/app.js (127.0.0.1)	1 h	13 KB
/styles/inline.css (127.0.0.1)	1 h	12 KB
	1 h	1 KB
/images/ic_refresh_white_24px.svg (127.0.0.1)		4.175
/images/ic_refresh_white_24px.svg (127.0.0.1) /images/ic_add_white_24px.svg (127.0.0.1)	1 h	1 KB

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Statistic	Element			Value
Total DOM Elements				55
Maximum DOM Depth	<pre><option value="metros/1/nation</pre></td><td>/A"></option></pre>		6	
Maximum Child Elements	<select id="selectTimetableToA</th><th>dd"></select>		12	
User Timing marks and measures				^
Consider instrumenting your app with experiences. <u>Learn more</u> .	the User Timing API to measure your app's r	eal-world perforr	mance during key	user
JavaScript execution time — 0.2 s				^
Consider reducing the time spent part with this. <u>Learn more</u> .	sing, compiling, and executing JS. You may fi	ind delivering sm	aller JS payloads	helps
		✓ Sh	ow 3rd-party resc	ources (0)
URL		Total CPU Time	Script Evaluation	Scrip Parse
Other		651 ms	27 ms	4 ms
chrome-extension://fdgfkebogiim	coedlicjlajpkdmockpc/content.js	70 ms	36 ms	34 ms
<pre>chrome- extension://fmkadmapgofadopljbj js</pre>	fkapdkoienihi/build/injectGlobalHook.	64 ms	15 ms	50 ms
Minimizes main-thread work — 0.9 s	S			/
Consider reducing the time spent part with this. <u>Learn more</u>	sing, compiling and executing JS. You may fir	nd delivering sma	aller JS payloads	helps
Category			Т	ime Sper
Other				373 ms
Script Parsing & Compilation				128 ms
Style & Layout				117 ms
Script Evaluation				109 ms
Parse HTML & CSS				55 ms
Garbage Collection				48 ms
Rendering				28 ms
All text remains visible during webfon	t loads			/
_	t loads e to ensure text is user-visible while webfonts	are loading. <u>Lea</u>	arn more.	/

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>.



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.

Contrast — These are opportunities to improve the legibility of your content.

▲ Background and foreground colors do not have a sufficient contrast ratio.

Low-contrast text is difficult or impossible for many users to read. Learn more.

Failing Elements

h1.header__title

Internationalization and localization — These are opportunities to improve the interpretation of your content by users in different locales.

<html> element does not have 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>.

Failing Elements

html

Names and labels — These are opportunities to improve the semantics of the controls in your application. This may enhance the experience for users of assistive technology, like a screen reader.

Form elements do not have associated labels

Labels ensure that form controls are announced properly by assistive technologies, like screen readers. Learn more.

Failing Elements

select#selectTimetableToAdd

more in our guide on <u>conducting an accessibility review</u> .	
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> .	
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> .	
User focus is not accidentally trapped in a region	^
A user can tab into and out of any control or region without accidentally trapping their focus. <u>Learn more</u> .	
Custom controls have associated labels	^
Custom interactive controls have associated labels, provided by aria-label or aria-labelledby. <u>Learn more</u> .	
Custom controls have ARIA roles	^
Custom interactive controls have appropriate ARIA roles. <u>Learn more</u> .	
Visual order on the page follows DOM order	^
DOM order matches the visual order, improving navigation for assistive technology. <u>Learn more</u> .	
Offscreen content is hidden from assistive technology	^
Offscreen content is hidden with display: none or aria-hidden=true. <u>Learn more</u> .	
Headings don't skip levels	^
Headings are used to create an outline for the page and heading levels are not skipped. <u>Learn more</u> .	
HTML5 landmark elements are used to improve navigation	^
Landmark elements (<main>, <nav>, etc.) are used to improve the keyboard navigation of the page for assistive technology Learn more.</nav></main>	'.
Passed audits (7)	^
[aria-*] attributes match their roles	^
Each ARIA `role` supports a specific subset of `aria-*` attributes. Mismatching these invalidates the `aria-*` attributes. <u>Learn more</u> .	<u>l</u>

Additional items to manually check (11) — These items address areas which an automated testing tool cannot cover. Learn \land

	[aria-*] attributes have valid values	^
	Assistive technologies, like screen readers, can't interpret ARIA attributes with invalid values. <u>Learn more</u> .	
	[aria-*] attributes are valid and not misspelled	^
	Assistive technologies, like screen readers, can't interpret ARIA attributes with invalid names. <u>Learn more</u> .	
	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. <u>Learn more</u> .	1
	Document has a <title> element</td><td>^</td></tr><tr><td></td><td>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>.</td><td>je</td></tr><tr><td></td><td>[id] attributes on the page are unique</td><td>^</td></tr><tr><td></td><td>The value of an id attribute must be unique to prevent other instances from being overlooked by assistive technologies. <u>Learn more</u>.</td><td></td></tr><tr><th></th><th>[user-scalable="no"] is not used in the <meta name="viewport"> element and the [maximum-scale] attribute is not less than 5.</th><th>^</th></tr><tr><td></td><td>Disabling zooming is problematic for users with low vision who rely on screen magnification to properly see the contents of web page. <u>Learn more</u>.</td><td>a</td></tr><tr><th>No</th><th>ot applicable (25)</th><th>^</th></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td>[accesskey] values are unique</td><td>^</td></tr><tr><td></td><td>[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</td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td>Access keys let users quickly focus a part of the page. For proper navigation, each access key must be unique. Learn more</td><td><u>.</u></td></tr><tr><td></td><td>Access keys let users quickly focus a part of the page. For proper navigation, each access key must be unique. Learn more [role]s have all required [aria-*] attributes</td><td><u>.</u></td></tr><tr><td></td><td>Access keys let users quickly focus a part of the page. For proper navigation, each access key must be unique. 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.</td><td><u>.</u></td></tr><tr><td></td><td>Access keys let users quickly focus a part of the page. For proper navigation, each access key must be unique. 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.</td><td><u>.</u></td></tr><tr><td></td><td>Access keys let users quickly focus a part of the page. For proper navigation, each access key must be unique. 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.</td><td>^</td></tr><tr><td></td><td>Access keys let users quickly focus a part of the page. For proper navigation, each access key must be unique. 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[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</td><td>^</td></tr></tbody></table></title>	

The page contains a heading, skip link, or landmark region	^
Adding ways to bypass repetitive content lets keyboard users navigate the page more efficiently. <u>Learn more</u> .	
<pre><dl>'s contain only properly-ordered <dt> and <dd> groups, <script> or <template> elements.</pre></td><td>^</td></tr><tr><td>When definition lists are not properly marked up, screen readers may produce confusing or inaccurate output. Learn more</td><td><u>e</u>.</td></tr><tr><td>Definition list items are wrapped in <dl> elements</td><td>^</td></tr><tr><td>Definition list items (`<dt>` and `<dd>`) must be wrapped in a parent `<dl>` element to ensure that screen readers can properly announce them. <u>Learn more</u>.</td><td></td></tr><tr><td><frame> or <iframe> elements have a title</td><td>^</td></tr><tr><td>Screen reader users rely on frame titles to describe the contents of frames. <u>Learn more</u>.</td><td></td></tr><tr><td><html> element has a valid value for its [lang] attribute</td><td>^</td></tr><tr><td>Specifying a valid <u>BCP 47 language</u> helps screen readers announce text properly. <u>Learn more</u>.</td><td></td></tr><tr><td>Image elements have [alt] attributes</td><td>^</td></tr><tr><td>Informative elements should aim for short, descriptive alternate text. Decorative elements can be ignored with an empty a attribute. <u>Learn more</u>.</td><td>ılt</td></tr><tr><td><pre><input type="image"> elements have [alt] text</pre></td><td>^</td></tr><tr><td>When an image is being used as an `<input>` button, providing alternative text can help screen reader users understand purpose of the button. <u>Learn more</u>.</td><td>the</td></tr><tr><td>Presentational elements avoid using , <caption> or the [summary] attribute.</td><td>^</td></tr><tr><td>A table being used for layout purposes should not include data elements, such as the thor caption elements or the summattribute, because this can create a confusing experience for screen reader users. <u>Learn more</u>.</td><td>ary</td></tr><tr><td>Links have a discernible name</td><td>^</td></tr><tr><td>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>.</td><td></td></tr><tr><td>Lists contain only elements and script supporting elements (<script> and <template>).</td><td>^</td></tr><tr><td>Screen readers have a specific way of announcing lists. Ensuring proper list structure aids screen reader output. <u>Learn more</u>.</td><td></td></tr><tr><td>List items () are contained within or parent elements</td><td>^</td></tr><tr><td>Screen readers require list items (``) to be contained within a parent `` or `` to be announced properly. <u>Learn more</u>.</td><td></td></tr><tr><td>The document does not use <meta http-equiv="refresh"></td><td>^</td></tr><tr><td>Users do not expect a page to refresh automatically, and doing so will move focus back to the top of the page. This may create a frustrating or confusing experience. <u>Learn more</u>.</td><td></td></tr><tr><td><object> elements have [alt] text</td><td>^</td></tr></tbody></table></script></dd></dt></dl></pre>	

Screen readers cannot translate non-text content. Adding all text to `<object>` elements helps screen readers convey meaning to users. <u>Learn more</u>.

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. <u>Learn more</u>.

> 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>.

[lang] attributes have a valid value

Specifying a valid <u>BCP 47 language</u> on elements helps ensure that text is pronounced correctly by a screen reader. <u>Learn</u> 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.

<video> elements contain a <track> element with [kind="description"]

Audio descriptions provide relevant information for videos that dialogue cannot, such as facial expressions and scenes. <u>Learn more</u>.



Best Practices

A	Does not use HTTP/2 for all of its resources —	E requeste not conved via LITTD/S	5
•	Does not use HTTP/Z for all of its resources —	- 5 reduesis noi served via 11 i 17/2	_

HTTP/2 offers many benefits over HTTP/1.1, including binary headers, multiplexing, and server push. Learn more.

Show 3rd-party resources (0)

 URL
 Protocol

 http://127.0.0.1:8080
 http/1.1

 /styles/inline.css (127.0.0.1)
 http/1.1

 /scripts/app.js (127.0.0.1)
 http/1.1

 /images/ic refresh white 24px.svg (127.0.0.1)
 http/1.1

URL

/images/ic_add_white_24px.svg (127.0.0.1)	http/1.1
Passed audits (14)	^
Avoids Application Cache	^
Application Cache is deprecated. <u>Learn more</u> .	
Uses HTTPS	^
All sites should be protected with HTTPS, even ones that don't handle sensitive data. HTTPS pre tampering with or passively listening in on the communications between your app and your users, HTTP/2 and many new web platform APIs. <u>Learn more</u> .	
Uses passive listeners to improve scrolling performance	^
Consider marking your touch and wheel event listeners as `passive` to improve your page's scroll	l performance. <u>Learn more</u> .
Avoids document.write()	^
For users on slow connections, external scripts dynamically injected via `document.write()` can de seconds. <u>Learn more</u> .	elay page load by tens of
Links to cross-origin destinations are safe	
Add `rel="noopener"` or `rel="noreferrer"` to any external links to improve performance and preve Learn more.	ent security vulnerabilities.
Avoids requesting the geolocation permission on page load	/
Users are mistrustful of or confused by sites that request their location without context. Consider taction instead. <u>Learn more</u> .	tying the request to a user
Page has the HTML doctype	
Specifying a doctype prevents the browser from switching to quirks-mode. <u>Learn more</u> .	
Avoids front-end JavaScript libraries with known security vulnerabilities	,
Some third-party scripts may contain known security vulnerabilities that are easily identified and e Learn more.	exploited by attackers.
Detected JavaScript libraries	
All front-end JavaScript libraries detected on the page. <u>Learn more</u> .	
Avoids requesting the notification permission on page load	-
Users are mistrustful of or confused by sites that request to send notifications without context. Co user gestures instead. <u>Learn more</u> .	onsider tying the request to
Avoids deprecated APIs	

Protocol

Deprecated APIs will eventually be removed from the browser. Learn more.

Allows users to paste into password fields

Preventing password pasting undermines good security policy. Learn more.

No browser errors logged to the console

Errors logged to the console indicate unresolved problems. They can come from network request failures and other browser concerns. Learn more

Displays images with correct aspect ratio

Image display dimensions should match natural aspect ratio. Learn more.



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>.

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

A	Document does not have a meta description	^
	Meta descriptions may be included in search results to concisely summarize page content. <u>Learn more</u> .	
_	Document does not have a valid rel=canonical	^
_	Points to a different domain (https://weather-pwa-sample.firebaseapp.com/final/)	
	Canonical links suggest which URL to show in search results. <u>Learn more</u> .	
Ad	ditional items to manually check (1) — Run these additional validators on your site to check additional SEO best	^
	actices.	
	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> .	
Pa	ssed 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. <u>Learn more</u> .	
	Document has a <title> element</td><td></td></tr></tbody></table></title>	

	The title gives screen reader users an overview of the page, and sea is relevant to their search. <u>Learn more</u> .	rch engine usei	rs rely on it heavily to de	etermine if a pag	е
	Page has successful HTTP status code				^
	Pages with unsuccessful HTTP status codes may not be indexed pro	perly. <u>Learn mo</u>	ore.		
	Links have descriptive text				^
	Descriptive link text helps search engines understand your content. <u>L</u>	<u>earn more</u> .			
	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 the	em. <u>Learn more</u> .	
	Document has a valid hreflang				^
	hreflang links tell search engines what version of a page they should Learn more.	list in search re	esults for a given langua	age or region.	
	Document uses legible font sizes — 100% legible text				^
	Font sizes less than 12px are too small to be legible and require mob have >60% of page text ≥12px. <u>Learn more</u> .	ile visitors to "p	inch to zoom" in order t	to read. Strive to	
			Show 3rd	party resources (0)
	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. <u>Learn r</u>	nore.	
	Tap targets are sized appropriately $-$ 100% appropriately sized tap	targets			^
	Interactive elements like buttons and links should be large enough (4 easy enough to tap without overlapping onto other elements. <u>Learn n</u>		ave enough space arou	ınd them, to be	
Not	applicable (2)				^
	robots.txt is valid				^
	If your robots.txt file is malformed, crawlers may not be able to under indexed. <u>Learn more</u> .	stand how you	want your website to be	e crawled or	
	Image elements have [alt] attributes				^
	Informative elements should aim for short, descriptive alternate text. attribute. <u>Learn more</u> .	Decorative eler	nents can be ignored w	ith an empty alt	



Progressive Web App

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

Fast and reliable

Does not set a theme color for the address bar.

Page load is fast enough on mobile networks A fast page load over a cellular network ensures a good mobile user experience. Learn more. Current page does not respond with a 200 when offline If you're building a Progressive Web App, consider using a service worker so that your app can work offline. Learn more. start url does not respond with a 200 when offline No usable web app manifest found on page. A service worker enables your web app to be reliable in unpredictable network conditions. Learn more. Installable **Uses HTTPS** All sites should be protected with HTTPS, even ones that don't handle sensitive data. 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. Does not register a service worker that controls page and start_url The service worker is the technology that enables your app to use many Progressive Web App features, such as offline, add to homescreen, and push notifications. Learn more. Web app manifest does not meet the installability requirements Failures: No manifest was fetched. Browsers can proactively prompt users to add your app to their homescreen, which can lead to higher engagement. Learn **PWA Optimized** Does not redirect 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. Learn more. Is not configured for a custom splash screen Failures: No manifest was fetched. A themed splash screen ensures a high-quality experience when users launch your app from their homescreens. Learn more.

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F	Failures: No manifest was fetched, No ` <meta name="theme-color"/> ` tag found.	^
Th	ne browser address bar can be themed to match your site. <u>Learn more</u> .	
Сс	ontent is sized correctly for the viewport	^
	the width of your app's content doesn't match the width of the viewport, your app might not be optimized for mobile creens. <u>Learn more</u> .	
На	as a <meta name="viewport"/> tag with width or initial-scale	^
Ac	dd a ` <meta name="viewport"/> ` tag to optimize your app for mobile screens. <u>Learn more</u> .	
Co	ontains some content when JavaScript is not available	^
	our app should display some content when JavaScript is disabled, even if it's just a warning to the user that JavaScript is equired to use the app. Learn more.	
▲ Do	oes not provide a valid apple-touch-icon	^
	or ideal appearance on iOS when users add a progressive web app to the home screen, define an `apple-touch-icon`. It ust point to a non-transparent 192px (or 180px) square PNG. <u>Learn More</u> .	
	onal items to manually check (3) — These checks are required by the baseline <u>PWA Checklist</u> but are not atically checked by Lighthouse. They do not affect your score but it's important that you verify them manually.	^
Sit	ite works cross-browser	^
То	reach the most number of users, sites should work across every major browser. <u>Learn more</u> .	
Pa	age transitions don't feel like they block on the network	^
	ransitions should feel snappy as you tap around, even on a slow network. This experience is key to a user's perception of erformance. <u>Learn more</u> .	
Ea	ach page has a URL	^

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

Runtime Settings

URL	http://127.0.0.1:8080/
Fetch time	Aug 23, 2020, 5:49 PM GMT-5
Device	Emulated Nexus 5X
Network throttling	150 ms TCP RTT, 1,638.4 Kbps throughput (Simulated)
CPU throttling	4x slowdown (Simulated)

User agent (host) Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/537.36 (KHTML, like Gecko)

Chrome/83.0.4103.97 Safari/537.36

User agent (network) Mozilla/5.0 (Linux; Android 6.0.1; Nexus 5 Build/MRA58N) AppleWebKit/537.36

(KHTML, like Gecko) Chrome/74.0.3694.0 Mobile Safari/537.36 Chrome-

Lighthouse

CPU/Memory Power 521

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