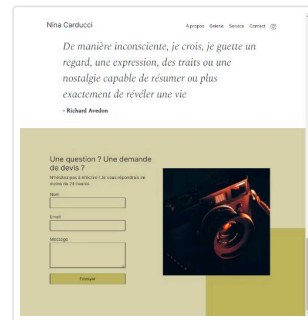


Performance

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

1.0 s

Largest Contentful Paint

1.4 s

Total Blocking Time

0 ms

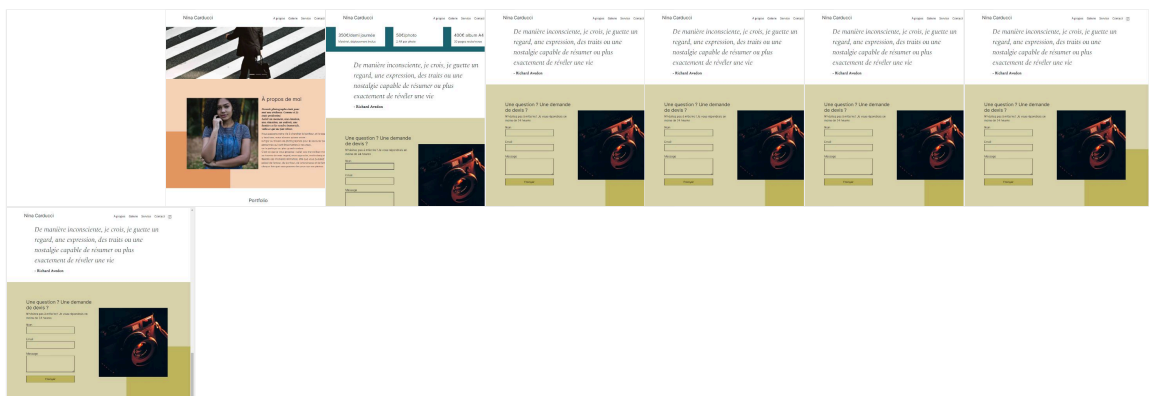
Cumulative Layout Shift

0

Speed Index

1.1 s

[View Treemap](#)



Show audits relevant to: [All](#) [FCP](#) [LCP](#) [TBT](#) [CLS](#)

DIAGNOSTICS

▲ Enable text compression — Potential savings of 374 KiB

Text-based resources should be served with compression (gzip, deflate or brotli) to minimise total network bytes. [Learn more about text compression.](#) FCP LCP

URL	Transfer size	Potential savings
127.0.0.1 First Party	450.7 KiB	373.6 KiB
...bootstrap/bootstrap.css (127.0.0.1)	211.7 KiB	185.6 KiB
...bootstrap/bootstrap.bundle.js (127.0.0.1)	211.5 KiB	168.6 KiB
/index.html (127.0.0.1)	12.7 KiB	8.5 KiB
/assets/maugallery.js (127.0.0.1)	8.8 KiB	6.5 KiB
/assets/style.css (127.0.0.1)	6.2 KiB	4.4 KiB

▲ Eliminate render-blocking resources — Potential savings of 670 ms

Resources are blocking the first paint of your page. Consider delivering critical JS/CSS inline and deferring all non-critical JS/styles. [Learn how to eliminate render-blocking resources.](#) FCP LCP

☒ Show 3rd-party resources (2)

URL	Transfer size	Potential savings
127.0.0.1 First Party	440.1 KiB	1,630 ms
...bootstrap/bootstrap.css (127.0.0.1)	212.0 KiB	650 ms
/assets/style.css (127.0.0.1)	6.5 KiB	90 ms
...bootstrap/bootstrap.bundle.js (127.0.0.1)	211.8 KiB	690 ms
/assets/maugallery.js (127.0.0.1)	9.1 KiB	130 ms
/assets/scripts.js (127.0.0.1)	0.7 KiB	90 ms
Google Fonts Cdn	1.3 KiB	270 ms
/css2?family=... (fonts.googleapis.com)	1.3 KiB	270 ms
jQuery CDN Cdn	30.2 KiB	360 ms
/jquery-3.4.1.min.js (code.jquery.com)	30.2 KiB	360 ms

▲ Reduce unused CSS — Potential savings of 204 KiB

Reduce unused rules from stylesheets and defer CSS not used for above-the-fold content to decrease bytes consumed by network activity. [Learn how to reduce unused CSS.](#) FCP LCP

URL	Transfer size	Potential savings
127.0.0.1 First Party	212.0 KiB	203.5 KiB

URL	Transfer size	Potential savings
...bootstrap/bootstrap.css (127.0.0.1)	212.0 KiB	203.5 KiB

▲ Reduce unused JavaScript — Potential savings of 604 KiB



Reduce unused JavaScript and defer loading scripts until they are required to decrease bytes consumed by network activity. [Learn how to reduce unused JavaScript.](#) LCP


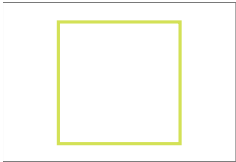
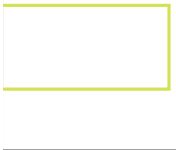



☒ Show 3rd-party resources (3)

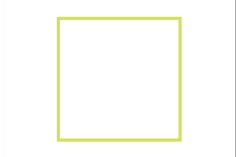
URL	Transfer size	Potential savings
axe DevTools - Web Accessibility Testing Chrome Extension	735.6 KiB	435.3 KiB
chrome-extension://lhdoppojpmngadmndnejefpokejbdd/axe-versions/latest/axe.js	549.5 KiB	287.3 KiB
chrome-extension://lhdoppojpmngadmndnejefpokejbdd/vendor.bundle.js	104.2 KiB	92.7 KiB
chrome-extension://lhdoppojpmngadmndnejefpokejbdd/content.bundle.js	82.0 KiB	55.3 KiB
127.0.0.1 First Party	211.5 KiB	148.3 KiB
...bootstrap/bootstrap.bundle.js (127.0.0.1)	211.5 KiB	148.3 KiB
...js/src/tooltip.js	18.9 KiB	15.4 KiB
...js/src/dropdown.js	13.9 KiB	10.1 KiB
...js/src/carousel.js	16.1 KiB	8.9 KiB
...js/src/modal.js	11.3 KiB	8.4 KiB
...js/src/collapse.js	8.8 KiB	6.5 KiB
Unattributable	27.9 KiB	20.6 KiB
chrome-extension://efaidnbmninnbpcajpcglclefindmkaj/libs/jquery-3.1.1.min.js	27.9 KiB	20.6 KiB


▲ Properly size images — Potential savings of 776 KiB

Serve images that are appropriately-sized to save mobile data and improve load time. [Learn how to size images.](#)

URL	Resource size	Potential savings
127.0.0.1 First Party	1,276.1 KiB	776.2 KiB
<div><div>... enterprise/Photo_of_a_woman_at_her_desk.webp (127.0.0.1)</div><div>img.gallery-item.img-fluid</div></div>	259.0 KiB	210.6 KiB
<div><div>... enterprise/Photo_of_two_women_in_a_meeting.webp (127.0.0.1)</div></div>	255.9 KiB	203.0 KiB

	URL	Resource size	Potential savings
img.gallery-item.img-fluid			
	img.d-block.w-100 ...slider/Photo_of_people_at_concert.webp (127.0.0.1)	202.1 KiB	72.8 KiB
	...concerts/Photo_of_a_singer.webp (127.0.0.1)	132.4 KiB	71.7 KiB
img.gallery-item.img-fluid			
img.d-block.w-100	...slider/Photo_of_newlyweds.webp (127.0.0.1)	191.6 KiB	69.0 KiB
	img.d-block.w-100 ...slider/Photo_of_a_businessman.webp (127.0.0.1)	74.0 KiB	57.8 KiB
	...enterprise/Photo_portrait_of_a_businessman.webp (127.0.0.1)	69.8 KiB	37.8 KiB
img.gallery-item.img-fluid			
	...concerts/Photo_of_a_concert_stage.webp (127.0.0.1)	47.7 KiB	28.3 KiB
img.gallery-item.img-fluid			
	...marriage/Photo_of_two_newlyweds.webp (127.0.0.1)	13.8 KiB	7.5 KiB
img.gallery-item.img-fluid			
	...marriage/Photo_of_the_hands_of_newlyweds.webp (127.0.0.1)	8.4 KiB	6.4 KiB
img.gallery-item.img-fluid			
	...portraits/Photo_portrait_of_a_young_woman.webp (127.0.0.1)	10.9 KiB	5.9 KiB
img.gallery-item.img-fluid			


	URL	Resource size	Potential savings
 img.gallery-item.img-fluid	... portraits/Photo_portrait_of_a_young_man.webp (127.0.0.1)	10.4 KiB	5.7 KiB

 Largest contentful paint element — 1,380 ms

This is the largest contentful element painted within the viewport. [Learn more about the Largest Contentful Paint element](#)


LCP

Element




img.d-block.w-100

Phase	% of LCP	Timing
TTFB	9%	130 ms
Load delay	5%	60 ms
Load time	3%	50 ms
Render delay	83%	1,150 ms

 Minify CSS — Potential savings of 39 KiB

Minifying CSS files can reduce network payload sizes. [Learn how to minify CSS](#). FCP LCP

URL	Transfer size	Potential savings
127.0.0.1 First Party	212.0 KiB	39.1 KiB
...bootstrap/bootstrap.css (127.0.0.1)	212.0 KiB	39.1 KiB

 Minify JavaScript — Potential savings of 182 KiB

Minifying JavaScript files can reduce payload sizes and script parse time. [Learn how to minify JavaScript](#). FCP LCP

URL	Transfer size	Potential savings
Unattributable	134.6 KiB	102.1 KiB
chrome-extension://gighmmpiobklfepjocnamgkbiglidom/vendor/@eyeo/webext-ad-filtering-solution/content.js	104.8 KiB	86.4 KiB

URL	Transfer size	Potential savings
chrome-extension://gighmmpiobklfepjocnamgkkbiglidom/polyfill.js	14.0 KiB	8.9 KiB
chrome-extension://gighmmpiobklfepjocnamgkkbiglidom/adblock-picreplacement.js	9.0 KiB	3.7 KiB
chrome-extension://gighmmpiobklfepjocnamgkkbiglidom/adblock-functions.js	6.8 KiB	3.1 KiB
127.0.0.1 First Party	220.2 KiB	79.5 KiB
...bootstrap/bootstrap.bundle.js (127.0.0.1)	211.5 KiB	76.6 KiB
/assets/maugallery.js (127.0.0.1)	8.8 KiB	2.9 KiB

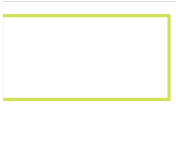


Page prevented back-forward cache restoration — 1 failure reason

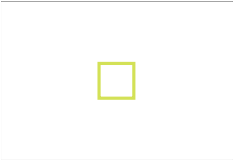
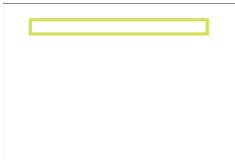
Many navigations are performed by going back to a previous page, or forwards again. The back-forward cache (bfcache) can speed up these return navigations. [Learn more about the bfcache](#)


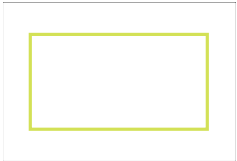
Reason for failure	Failure type
Pages with WebSocket cannot enter back-forward cache. /index.html (127.0.0.1)	Pending browser support

Image elements do not have explicit [width](#) and [height](#)

Set an explicit width and height on image elements to reduce layout shifts and improve CLS. [Learn how to set image dimensions](#) CLS

URL
127.0.0.1 First Party
<div><div></div><div>img.d-block.w-100</div><div>...slider/Photo_of_a_businessman.webp (127.0.0.1)</div></div>
<div><div></div><div>img</div><div>...images/nina.webp (127.0.0.1)</div></div>
<div><div></div><div>img</div><div>...images/camera.webp (127.0.0.1)</div></div>

URL	
	img ...images/instagram.png (127.0.0.1)
Avoid serving legacy JavaScript to modern browsers — Potential savings of 49 KiB	
<p>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 delivered to modern browsers, while retaining support for legacy browsers. Learn how to use modern JavaScript <small>TBT</small></p>	
URL	Potential savings
axe DevTools - Web Accessibility Testing <small>Chrome Extension</small>	49.1 KiB
chrome-extension://lhdoppojpmngadmndnejefpokejbdd/axe-versions/latest/axe.js	40.4 KiB
...latest/axe.js:2:5080 (lhdoppojpmngadmndnejefpokejbdd)	@babel/plugin-transform-classes
...latest/axe.js:2:71337 (lhdoppojpmngadmndnejefpokejbdd)	Object.values
...latest/axe.js:2:226507 (lhdoppojpmngadmndnejefpokejbdd)	Array.prototype.find
...latest/axe.js:2:226866 (lhdoppojpmngadmndnejefpokejbdd)	Array.prototype.find Index
...latest/axe.js:2:227500 (lhdoppojpmngadmndnejefpokejbdd)	Array.prototype.some
...latest/axe.js:2:227849 (lhdoppojpmngadmndnejefpokejbdd)	Array.from
chrome-extension://lhdoppojpmngadmndnejefpokejbdd/vendor.bundle.js	8.7 KiB
/vendor.bundle.js:2:84729 (lhdoppojpmngadmndnejefpokejbdd)	Object.entries
/vendor.bundle.js:2:87315 (lhdoppojpmngadmndnejefpokejbdd)	@babel/plugin-transform-classes
/vendor.bundle.js:2:262039 (lhdoppojpmngadmndnejefpokejbdd)	Object.keys
○ Avoid large layout shifts — 3 elements found	
These DOM elements contribute most to the CLS of the page. Learn how to improve CLS <small>CLS</small>	
Element	CLS contribution
 nav.nav	0.000

Element	CLS contribution
<div></div> <div>h3.about-me__introduction</div>	0.000
<div></div> <div>h3.about-me__introduction</div>	0.000

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. [Learn more about the Time to First Byte metric.](#) FCP LCP

URL	Time Spent
127.0.0.1 First Party	0 ms
/index.html (127.0.0.1)	0 ms


Avoids enormous network payloads — Total size was 1,853 KiB

Large network payloads cost users real money and are highly correlated with long load times. [Learn how to reduce payload sizes.](#) LCP

URL	Transfer size
127.0.0.1 First Party	1,659.0 KiB
...enterprise/Photo_of_a_woman_at_her_desk.webp (127.0.0.1)	259.4 KiB
...enterprise/Photo_of_two_women_in_a_meeting.webp (127.0.0.1)	256.2 KiB
...bootstrap/bootstrap.css (127.0.0.1)	212.0 KiB
...bootstrap/bootstrap.bundle.js (127.0.0.1)	211.8 KiB
...slider/Photo_of_people_at_concert.webp (127.0.0.1)	202.4 KiB
...slider/Photo_of_newlyweds.webp (127.0.0.1)	191.9 KiB
...concerts/Photo_of_a_singer.webp (127.0.0.1)	132.7 KiB
...slider/Photo_of_a_businessman.webp (127.0.0.1)	74.4 KiB
...enterprise/Photo_portrait_of_a_businessman.webp (127.0.0.1)	70.1 KiB
...concerts/Photo_of_a_concert_stage.webp (127.0.0.1)	48.0 KiB

Avoids an excessive DOM size — 137 elements

A large DOM will increase memory usage, cause longer [style calculations](#) and produce costly [layout reflows](#). [Learn how to avoid an excessive DOM size](#). TBT

Statistic	Element	Value
Total DOM Elements		137
Maximum DOM Depth	button.mg-prev	10
Maximum Child Elements	 div.gallery-items-row.row	9

☐ Avoid chaining critical requests — 10 chains found

The critical request chains below show you what resources are loaded with a high priority. Consider reducing the length of chains, reducing the download size of resources or deferring the download of unnecessary resources to improve page load. [Learn how to avoid chaining critical requests](#). FCP LCP

Maximum critical path latency: **466.399 ms**

Initial Navigation

/index.html (127.0.0.1)

...bootstrap/bootstrap.css (127.0.0.1) - **20.145 ms, 212.01 KiB**

/assets/style.css (127.0.0.1) - **14.536 ms, 6.51 KiB**

/css2?family=... (fonts.googleapis.com)

...v13/UcCO3FwrK....woff2 (fonts.gstatic.com) - **46.243 ms, 21.24 KiB**

...v13/rnC-u-xNNw....woff2 (fonts.gstatic.com) - **26.672 ms, 14.99 KiB**

...v13/rnC-u-xNNw....woff2 (fonts.gstatic.com) - **38.423 ms, 15.38 KiB**

...v13/rnC-r-xNNw....woff2 (fonts.gstatic.com) - **51.251 ms, 13.57 KiB**

...bootstrap/bootstrap.bundle.js (127.0.0.1) - **25.953 ms, 211.81 KiB**

/jquery-3.4.1.min.js (code.jquery.com) - **40.582 ms, 30.25 KiB**

/assets/maugallery.js (127.0.0.1) - **26.31 ms, 9.12 KiB**

/assets/scripts.js (127.0.0.1) - **19.892 ms, 0.67 KiB**

☐ 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. [Learn how to reduce Javascript execution time](#). TBT

☒ Show 3rd-party resources (1)

URL	Total CPU Time	Script Evaluation	Script Parse
127.0.0.1 First Party	271 ms	78 ms	55 ms
/index.html (127.0.0.1)	163 ms	77 ms	55 ms
/index.html (127.0.0.1)	108 ms	1 ms	0 ms
Unattributable	111 ms	20 ms	0 ms
Unattributable	111 ms	20 ms	0 ms

URL	Total CPU Time	Script Evaluation	Script Parse
jQuery CDN Cdn	91 ms	42 ms	2 ms
/jquery-3.4.1.min.js <small>(code.jquery.com)</small>	91 ms	42 ms	2 ms

○ Minimises 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 how to minimise main-thread work](#) TBT

Category	Time Spent
Script Evaluation	152 ms
Other	144 ms
Style & Layout	111 ms
Script Parsing & Compilation	89 ms
Parse HTML & CSS	38 ms
Rendering	15 ms

○ Minimise 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. [Learn how to minimise third-party impact](#). TBT

Third-party	Transfer size	Main-thread blocking time
axe DevTools - Web Accessibility Testing Chrome Extension	572 KiB	0 ms
chrome-extension://lhdoppojpmngadmndnejejpokejbdd/axe-versions/latest/axe.js	549 KiB	0 ms
chrome-extension://lhdoppojpmngadmndnejejpokejbdd/highlighter.js	22 KiB	0 ms
Google Fonts Cdn	66 KiB	0 ms
...v13/UcCO3FwrK....woff2 <small>(fonts.gstatic.com)</small>	21 KiB	0 ms
...v13/rnCuxNNw....woff2 <small>(fonts.gstatic.com)</small>	15 KiB	0 ms
...v13/rnCuxNNw....woff2 <small>(fonts.gstatic.com)</small>	15 KiB	0 ms
...v13/rnCr-xNNw....woff2 <small>(fonts.gstatic.com)</small>	14 KiB	0 ms
/css2?family=... <small>(fonts.googleapis.com)</small>	1 KiB	0 ms
jQuery CDN Cdn	30 KiB	0 ms
/jquery-3.4.1.min.js <small>(code.jquery.com)</small>	30 KiB	0 ms

○ Avoid long main-thread tasks — 1 long task found

Lists the longest tasks on the main thread – useful for identifying worst contributors to input delay. [Learn how to avoid long main-thread tasks](#) TBT


URL	Start Time	Duration
127.0.0.1 First Party		155 ms
/index.html (127.0.0.1)	183 ms	155 ms

More information about the performance of your application. These numbers don't [directly affect](#) the performance score.

PASSED AUDITS (19)

Hide

Defer off-screen images	^
Consider lazy loading offscreen and hidden images after all critical resources have finished loading to lower Time to Interactive. Learn how to defer offscreen images.	
Efficiently encode images	^
Optimised images load faster and consume less mobile data. Learn how to efficiently encode images.	
Serve images in next-gen formats	^
Image formats like WebP and AVIF often provide better compression than PNG or JPEG, which means faster downloads and less data consumption. Learn more about modern image formats.	
Pre-connect to required origins	^
Consider adding preconnect or dns-prefetch resource hints to establish early connections to important third-party origins. Learn how to preconnect to required origins. FCP LCP	
Avoid multiple page redirects	^
Redirects introduce additional delays before the page can be loaded. Learn how to avoid page redirects. FCP LCP	
<input type="radio"/> Pre-load key requests	^
Consider using <link rel=preload> to prioritise fetching resources that are currently requested later in page load. Learn how to preload key requests. FCP LCP	
Use HTTP/2	^
HTTP/2 offers many benefits over HTTP/1.1, including binary headers and multiplexing. Learn more about HTTP/2.	
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. Learn more about efficient video formats LCP	
Remove duplicate modules in JavaScript bundles	^
Remove large, duplicate JavaScript modules from bundles to reduce unnecessary bytes consumed by network activity. TBT	
Preload largest contentful paint image	^
If the LCP element is dynamically added to the page, you should preload the image in order to improve LCP. Learn more about preloading LCP elements. LCP	

Uses efficient cache policy on static assets — 0 resources found	^
A long cache lifetime can speed up repeat visits to your page. Learn more about efficient cache policies.	
<input type="radio"/> 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. Learn more about User Timing marks.	
All text remains visible during webfont loads	^
Leverage the font-display CSS feature to ensure that text is user-visible while webfonts are loading. Learn more about font-display. FCP LCP	
<input type="radio"/> 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. Learn how to defer third-parties with a facade. TBT	
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 about optimal lazy loading. LCP	
<div>Element</div> <div>  <div>img.d-block.w-100</div> </div>	
Uses passive listeners to improve scrolling performance	^
Consider marking your touch and wheel event listeners as passive to improve your page's scroll performance. Learn more about adopting passive event listeners.	
Avoids <code>document.write()</code>	^
For users on slow connections, external scripts dynamically injected via <code>document.write()</code> can delay page load by tens of seconds. Learn how to avoid document.write().	
<input type="radio"/> Avoid non-composited animations	^
Animations that are not composited can be poor, slow and increase CLS. Learn how to avoid non-composited animations CLS	
Has a <code><meta name="viewport"></code> tag with <code>width</code> or <code>initial-scale</code>	^
A <code><meta name="viewport"></code> not only optimises your app for mobile screen sizes, but also prevents a 300 millisecond delay to user input . Learn more about using the viewport meta tag. TBT	



Accessibility

These checks highlight opportunities to [improve the accessibility of your web app](#). Automatic detection can only detect a subset of issues and does not guarantee the accessibility of your web app, so [manual testing](#) is also encouraged.

ADDITIONAL ITEMS TO MANUALLY CHECK (10)

Hide

<input type="radio"/> Interactive controls are keyboard focusable	^
Custom interactive controls are keyboard focusable and display a focus indicator. Learn how to make custom controls focusable.	
<input type="radio"/> Interactive elements indicate their purpose and state	^
Interactive elements, such as links and buttons, should indicate their state and be distinguishable from non-interactive elements. Learn how to decorate interactive elements with affordance hints.	
<input type="radio"/> The page has a logical tab order	^
Tabbing through the page follows the visual layout. Users cannot focus elements that are offscreen. Learn more about logical tab ordering.	
<input type="radio"/> Visual order on the page follows DOM order	^
DOM order matches the visual order, improving navigation for assistive technology. Learn more about DOM and visual ordering.	
<input type="radio"/> 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. Learn how to avoid focus traps.	
<input type="radio"/> The user's focus is directed to new content added to the page	^
If new content, such as a dialog, is added to the page, the user's focus is directed to it. Learn how to direct focus to new content.	
<input type="radio"/> 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 about landmark elements.	
<input type="radio"/> Offscreen content is hidden from assistive technology	^
Offscreen content is hidden with display: none or aria-hidden=true. Learn how to properly hide offscreen content.	
<input type="radio"/> Custom controls have associated labels	^
Custom interactive controls have associated labels, provided by aria-label or aria-labelledby. Learn more about custom controls and labels.	
<input type="radio"/> Custom controls have ARIA roles	^
Custom interactive controls have appropriate ARIA roles. Learn how to add roles to custom controls.	

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

PASSED AUDITS (21)

Hide

<code>[aria-*]</code> attributes match their roles	^
Each ARIA role supports a specific subset of <code>aria-*</code> attributes. Mismatching these invalidates the <code>aria-*</code> attributes. Learn how to match ARIA attributes to their roles .	
<code>[aria-hidden="true"]</code> is not present on the document <code><body></code>	^
Assistive technologies, like screen readers, work inconsistently when <code>aria-hidden="true"</code> is set on the document <code><body></code> . Learn how <code>aria-hidden</code> affects the document body .	
<code>[aria-*]</code> attributes have valid values	^
Assistive technologies, such as screen readers, can't interpret ARIA attributes with invalid values. Learn more about valid values for ARIA attributes .	
<code>[aria-*]</code> attributes are valid and not misspelled	^
Assistive technologies, such as screen readers, can't interpret ARIA attributes with invalid names. Learn more about valid ARIA attributes .	
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 how to make buttons more accessible .	
Image elements have <code>[alt]</code> attributes	^
Informative elements should aim for short, descriptive alternative text. Decorative elements can be ignored with an empty alt attribute. Learn more about the alt attribute .	
Input buttons have discernible text.	^
Adding discernable and accessible text to input buttons may help screen reader users to understand the purpose of the input button. Learn more about input buttons .	
<code>[user-scalable="no"]</code> is not used in the <code><meta name="viewport"></code> element and the <code>[maximum-scale]</code> attribute is not less than 5.	^
Disabling zooming is problematic for users with low vision who rely on screen magnification to properly see the contents of a web page. Learn more about the viewport meta tag .	
<code>[aria-hidden="true"]</code> elements do not contain focusable descendents	^
Focusable descendants within an <code>[aria-hidden="true"]</code> element prevent those interactive elements from being available to users of assistive technologies like screen readers. Learn how <code>aria-hidden</code> affects focusable elements .	
Background and foreground colours have a sufficient contrast ratio	^
Low-contrast text is difficult or impossible for many users to read. Learn how to provide sufficient colour contrast .	
Document has a <code><title></code> 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 about document titles.	
<code><html></code> element has a <code>[lang]</code> attribute	^
If a page doesn't specify a <code>lang</code> 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 about the <code>lang</code> attribute.	
<code><html></code> element has a valid value for its <code>[lang]</code> attribute	^
Specifying a valid BCP 47 language helps screen readers announce text properly. Learn how to use the <code>lang</code> attribute.	
Form elements have associated labels	^
Labels ensure that form controls are announced properly by assistive technologies, such as screen readers. Learn more about form element labels.	
Links have a discernible name	^
Link text (and alternative text for images, when used as links) that is discernible, unique and focusable improves the navigation experience for screen reader users. Learn how to make links accessible.	
Lists contain only <code></code> elements and script supporting elements (<code><script></code> and <code><template></code>).	^
Screen readers have a specific way of announcing lists. Ensuring proper list structure aids screen reader output. Learn more about proper list structure.	
List items (<code></code>) are contained within <code></code> , <code></code> or <code><menu></code> parent elements	^
Screen readers require list items (<code></code>) to be contained within a parent <code></code> , <code></code> or <code><menu></code> to be announced properly. Learn more about proper list structure.	
No element has a <code>[tabindex]</code> 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 about the <code>tabindex</code> attribute.	
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 about heading order.	
Values assigned to <code>role=""</code> are valid ARIA roles.	^
ARIA <code>roles</code> enable assistive technologies to know the role of each element on the web page. If the <code>role</code> values are misspelled, not existing ARIA <code>role</code> values or abstract roles, then the purpose of the element will not be communicated to users of assistive technologies. Learn more about ARIA roles.	
Image elements do not have <code>[alt]</code> attributes that are redundant text.	^
Informative elements should aim for short, descriptive alternative text. Alternative text that is exactly the same as the text adjacent to the link or image is potentially confusing for screen reader users, because the text will be read twice. Learn more about the <code>alt</code> attribute.	

<input type="radio"/> <code>[accesskey]</code> 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 about access keys.	
<input type="radio"/> <code>button</code> , <code>link</code> and <code>menuitem</code> 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 how to make command elements more accessible.	
<input type="radio"/> Elements with <code>role="dialog"</code> or <code>role="alertdialog"</code> have accessible names.	^
ARIA dialogue elements without accessible names may prevent screen reader users from discerning the purpose of these elements. Learn how to make ARIA dialog elements more accessible.	
<input type="radio"/> 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 about input field labels.	
<input type="radio"/> ARIA <code>meter</code> elements have accessible names	^
When a meter 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 how to name meter elements.	
<input type="radio"/> ARIA <code>progressbar</code> 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 how to label progressbar elements.	
<input type="radio"/> <code>[role]</code> s have all required <code>[aria-*)</code> attributes	^
Some ARIA roles have required attributes that describe the state of the element to screen readers. Learn more about roles and required attributes.	
<input type="radio"/> Elements with an ARIA <code>[role]</code> that require children to contain a specific <code>[role]</code> have all required children.	^
Some ARIA parent roles must contain specific child roles to perform their intended accessibility functions. Learn more about roles and required children elements.	
<input type="radio"/> <code>[role]</code> 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 about ARIA roles and required parent element.	
<input type="radio"/> <code>[role]</code> values are valid	^
ARIA roles must have valid values in order to perform their intended accessibility functions. Learn more about valid ARIA roles.	
<input type="radio"/> Elements with the <code>role=text</code> attribute do not have focusable descendents.	^
Adding <code>role=text</code> around a text node split by markup enables VoiceOver to treat it as one phrase, but the element's focusable descendents will not be announced. Learn more about the role=text attribute.	
<input type="radio"/> ARIA toggle fields have accessible names	^

<p>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 about toggle fields.</p>	
<p><input type="radio"/> ARIA <code>tooltip</code> elements have accessible names ^</p> <p>When a tooltip 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 how to name tooltip elements.</p>	
<p><input type="radio"/> ARIA <code>treeitem</code> elements have accessible names ^</p> <p>When a treeitem 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 about labelling treeitem elements.</p>	
<p><input type="radio"/> The page contains a heading, skip link or landmark region ^</p> <p>Adding ways to bypass repetitive content lets keyboard users navigate the page more efficiently. Learn more about bypass blocks.</p>	
<p><input type="radio"/> <code><dl></code>'s contain only properly-ordered <code><dt></code> and <code><dd></code> groups, <code><script></code>, <code><template></code> or <code><div></code> elements. ^</p> <p>When definition lists are not properly marked up, screen readers may produce confusing or inaccurate output. Learn how to structure definition lists correctly.</p>	
<p><input type="radio"/> Definition list items are wrapped in <code><dl></code> elements ^</p> <p>Definition list items (<code><dt></code> and <code><dd></code>) must be wrapped in a parent <code><dl></code> element to ensure that screen readers can properly announce them. Learn how to structure definition lists correctly.</p>	
<p><input type="radio"/> <code>[id]</code> attributes on active, focusable elements are unique ^</p> <p>All focusable elements must have a unique <code>id</code> to ensure that they're visible to assistive technologies. Learn how to fix duplicate ids.</p>	
<p><input type="radio"/> ARIA IDs are unique ^</p> <p>The value of an ARIA ID must be unique to prevent other instances from being overlooked by assistive technologies. Learn how to fix duplicate ARIA IDs.</p>	
<p><input type="radio"/> No form fields have multiple labels ^</p> <p>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 how to use form labels.</p>	
<p><input type="radio"/> <code><frame></code> or <code><iframe></code> elements have a title ^</p> <p>Screen reader users rely on frame titles to describe the contents of frames. Learn more about frame titles.</p>	
<p><input type="radio"/> <code><html></code> element has an <code>[xml:lang]</code> attribute with the same base language as the <code>[lang]</code> attribute. ^</p> <p>If the webpage does not specify a consistent language, then the screen reader might not announce the page's text correctly. Learn more about the lang attribute.</p>	
<p><input type="radio"/> <code><input type="image"></code> elements have <code>[alt]</code> text ^</p> <p>When an image is being used as an <code><input></code> button, providing alternative text can help screen reader users understand the purpose of the button. Learn about input image alt text.</p>	

<input type="radio"/> Links are distinguishable without relying on colour.	^
Low-contrast text is difficult or impossible for many users to read. Link text that is discernible improves the experience for users with low vision. Learn how to make links distinguishable.	
<input type="radio"/> The document does not use <code><meta http-equiv="refresh"></code>	^
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 about the refresh meta tag.	
<input type="radio"/> <code><object></code> elements have alternative text	^
Screen readers cannot translate non-text content. Adding alternative text to <code><object></code> elements helps screen readers convey meaning to users. Learn more about alt text for object elements.	
<input type="radio"/> Select elements have associated label elements.	^
Form elements without effective labels can create frustrating experiences for screen reader users. Learn more about the select element.	
<input type="radio"/> Skip links are focusable.	^
Including a skip link can help users skip to the main content to save time. Learn more about skip links.	
<input type="radio"/> Tables have different content in the summary attribute and <code><caption></code> .	^
The summary attribute should describe the table structure, while <code><caption></code> should have the onscreen title. Accurate table mark-up helps users of screen readers. Learn more about summary and caption.	
<input type="radio"/> Cells in a <code><table></code> element that use the <code>[headers]</code> attribute refer to table cells within the same table.	^
Screen readers have features to make navigating tables easier. Ensuring that <code><td></code> cells using the <code>[headers]</code> attribute only refer to other cells in the same table may improve the experience for screen reader users. Learn more about the headers attribute.	
<input type="radio"/> <code><th></code> elements and elements with <code>[role="columnheader"/"rowheader"]</code> have data cells they describe.	^
Screen readers have features to make navigating tables easier. Ensuring that table headers always refer to some set of cells may improve the experience for screen reader users. Learn more about table headers.	
<input type="radio"/> <code>[lang]</code> 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 how to use the lang attribute.	
<input type="radio"/> <code><video></code> elements contain a <code><track></code> element with <code>[kind="captions"]</code>	^
When a video provides a caption it is easier for deaf and hearing-impaired users to access its information. Learn more about video captions.	
<input type="radio"/> All heading elements contain content.	^
A heading with no content or inaccessible text prevents screen reader users from accessing information on the page's structure. Learn more about headings.	
<input type="radio"/> Identical links have the same purpose.	^

Links with the same destination should have the same description, to help users understand the link's purpose and decide whether to follow it. Learn more about identical links.	
<input type="radio"/> Document has a main landmark.	^
One main landmark helps screen reader users navigate a web page. Learn more about landmarks.	
<input type="radio"/> Touch targets have sufficient size and spacing.	^
Touch targets with sufficient size and spacing help users who may have difficulty targeting small controls to activate the targets. Learn more about touch targets.	
<input type="radio"/> Elements with visible text labels have matching accessible names.	^
Visible text labels that do not match the accessible name can result in a confusing experience for screen reader users. Learn more about accessible names.	
<input type="radio"/> Tables use <code><caption></code> instead of cells with the <code>[colspan]</code> attribute to indicate a caption.	^
Screen readers have features to make navigating tables easier. Ensuring that tables use the actual caption element instead of cells with the <code>[colspan]</code> attribute may improve the experience for screen reader users. Learn more about captions.	
<input type="radio"/> <code><td></code> elements in a large <code><table></code> have one or more table headers.	^
Screen readers have features to make navigating tables easier. Ensuring that <code><td></code> elements in a large table (three or more cells in width and height) have an associated table header may improve the experience for screen reader users. Learn more about table headers.	



Best Practices

TRUST AND SAFETY

Ensure CSP is effective against XSS attacks

A strong Content Security Policy (CSP) significantly reduces the risk of cross-site scripting (XSS) attacks. [Learn how to use a CSP to prevent XSS](#)

Description	Directive	Severity
No CSP found in enforcement mode		High

GENERAL

<input type="radio"/> Detected JavaScript libraries	^
All front-end JavaScript libraries detected on the page. Learn more about this JavaScript library detection diagnostic audit.	

Name	Version
Bootstrap	5.1.3
jQuery	3.4.1

PASSED AUDITS (14)

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 about HTTPS .	
Avoids deprecated APIs	^
Deprecated APIs will eventually be removed from the browser. Learn more about deprecated APIs .	
Avoids third-party cookies	^
Support for third-party cookies will be removed in a future version of Chrome. Learn more about phasing out third-party cookies .	
Allows users to paste into input fields	^
Preventing input pasting is bad practice for the UX and weakens security by blocking password managers. Learn more about user-friendly input fields .	
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 about the geolocation permission .	
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 about responsibly getting permission for notifications .	
Displays images with correct aspect ratio	^
Image display dimensions should match natural aspect ratio. Learn more about image aspect ratio .	
Serves images with appropriate resolution	^
Image natural dimensions should be proportional to the display size and the pixel ratio to maximise image clarity. Learn how to provide responsive images .	
Page has the HTML doctype	^
Specifying a DOCTYPE prevents the browser from switching to quirks mode. Learn more about the doctype declaration .	
Properly defines charset	^
A character encoding declaration is required. It can be done with a <meta> tag in the first 1,024 bytes of the HTML or in the Content-Type HTTP response header. Learn more about declaring the character encoding .	

Avoids `unload` event listeners

The `unload` event does not fire reliably and listening for it can prevent browser optimisations like the back-forward cache. Use `pagehide` or `visibilitychange` events instead. [Learn more about unload event listeners](#)

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 about this errors in console diagnostic audit](#)

No issues in the `Issues` panel in Chrome DevTools

Issues logged to the `Issues` panel in Chrome DevTools indicate unresolved problems. They can come from network request failures, insufficient security controls and other browser concerns. Open up the `Issues` panel in Chrome DevTools for more details on each issue.

Page has valid source maps

Source maps translate minified code to the original source code. This helps developers to debug in production. In addition, Lighthouse is able to provide further insights. Consider deploying source maps to take advantage of these benefits. [Learn more about source maps](#).

URL	Map URL
127.0.0.1 First Party	
...bootstrap/bootstrap.bundle.js (127.0.0.1)	...bootstrap/bootstrap.bundle.js.map (127.0.0.1)
Unattributable	
chrome-extension://gighmmpiobklfepjocnamgkkbiglidom/vendor/@eyeo/webext-ad-filtering-solution/content.js	

NOT APPLICABLE (1)

Hide

☐ Fonts with `font-display: optional` are preloaded

Preload optional fonts so that first-time visitors may use them. [Learn more about preloading fonts](#)



SEO

These checks ensure that your page is following basic search engine optimisation advice. There are many additional factors that Lighthouse does not score here that may affect your search ranking, including performance on [Core Web Vitals](#). [Learn more about Google Search essentials](#).

ADDITIONAL ITEMS TO MANUALLY CHECK (1)

Hide

☐ Structured data is valid



Run the [Structured Data Testing Tool](#) and the [Structured Data Linter](#) to validate structured data. [Learn more about structured data.](#)

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

PASSED AUDITS (11)

Hide

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



A `<meta name="viewport">` not only optimises your app for mobile screen sizes, but also prevents [a 300 millisecond delay to user input](#). [Learn more about using the viewport meta tag.](#) (TBT)

Document has a `<title>` element



The title gives screen reader users an overview of the page, and search engine users rely on it heavily to determine if a page is relevant to their search. [Learn more about document titles.](#)

Document has a meta description



Meta descriptions may be included in search results to concisely summarise page content. [Learn more about the meta description.](#)

Page has successful HTTP status code



Pages with unsuccessful HTTP status codes may not be indexed properly. [Learn more about HTTP status codes.](#)

Links have descriptive text



Descriptive link text helps search engines understand your content. [Learn how to make links more accessible.](#)

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 that more pages of the site can be discovered. [Learn how to make links crawlable](#)

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 about crawler directives.](#)

Image elements have `[alt]` attributes



Informative elements should aim for short, descriptive alternative text. Decorative elements can be ignored with an empty alt attribute. [Learn more about the alt attribute.](#)

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 about hreflang.](#)

Document has a valid `rel=canonical`



Canonical links suggest which URL to show in search results. [Learn more about canonical links.](#)

Document avoids plugins



Search engines can't index plug-in content and many devices restrict plug-ins or don't support them. [Learn more about avoiding plugins.](#)

NOT APPLICABLE (3)

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 about robots.txt.](#)

☐ 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 ≥ 12 px. [Learn more about legible font sizes.](#)

☐ Tap targets are sized appropriately



Interactive elements like buttons and links should be large enough (48 x 48 px) or have enough space around them to be easy enough to tap without overlapping onto other elements. [Learn more about tap targets.](#)



PWA

These checks validate the aspects of a progressive web app. [Learn what makes a good progressive web app.](#)

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 about manifest installability requirements.](#)

Reason for failure

Page has no manifest <link> URL

PWA OPTIMISED

▲ 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 home screens. [Learn more about splash screens.](#)

▲ Does not set a theme colour for the address bar.

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





The browser address bar can be themed to match your site. Learn more about theming the address bar.	
<input type="radio"/> 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 optimised for mobile screens. Learn how to size content for the viewport.	
Has a <code><meta name="viewport"></code> tag with <code>width</code> or <code>initial-scale</code>	^
A <code><meta name="viewport"></code> not only optimises your app for mobile screen sizes, but also prevents a 300 millisecond delay to user input . Learn more about using the viewport meta tag. (TBT)	
 Manifest doesn't have a maskable icon No manifest was fetched	^
A maskable icon ensures that the image fills the entire shape without being letterboxed when installing the app on a device. Learn about maskable manifest icons.	

ADDITIONAL ITEMS TO MANUALLY CHECK (3)


Hide

<input type="radio"/> Site works cross-browser	^
To reach the most users, sites should work across every major browser. Learn about cross-browser compatibility.	
<input type="radio"/> 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. Learn more about page transitions.	
<input type="radio"/> Each page has a URL	^
Ensure individual pages are deep linkable via URL and that URLs are unique for the purpose of shareability on social media. Learn more about providing deep links.	

These checks are required by the baseline [PWA checklist](#) but are not automatically checked by Lighthouse. They do not affect your score but it's important that you verify them manually.

 Captured at 8 Apr 2024, 18:39 CEST
 Initial page load

 Emulated desktop with Lighthouse 11.4.0
 Custom throttling

 Single-page session
 Using Chromium 122.0.0.0 with devtools