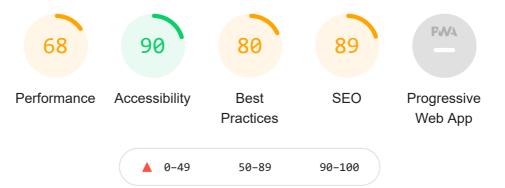


https://vinyl-rack.herokuapp.com/products/31/





Performance



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























Show audits relevant to: All FCP LCP TBT CLS

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

Opportunity Estimated Savings

Eliminate render-blocking resources

1.92 s ^

Resources are blocking the first paint of your page. Consider delivering critical JS/CSS inline and deferring all non-critical JS/styles. Learn more. (FCP) (LCP)

Show 3rd party resources (8)

URL

Transfer Size Potential Savings

URL	Transfer Size	Potential Savings
css/bootstrap.min.css (stackpath.bootstrapcdn.com)	24.3 KiB	1,220 ms
/css?family=Lato&display=swap (fonts.googleapis.com)	0.5 KiB	780 ms
css/base.css (vinyl-rack.s3.amazonaws.com)	8.2 KiB	910 ms
/jquery-3.4.1.min.js (code.jquery.com)	30.1 KiB	1,350 ms
umd/popper.min.js (cdn.jsdelivr.net)	7.4 KiB	1,050 ms
js/bootstrap.min.js (stackpath.bootstrapcdn.com)	16.2 KiB	300 ms
/2c410f4ae7.js (kit.fontawesome.com)	4.0 KiB	930 ms
/v3/ (js.stripe.com)	63.5 KiB	1,800 ms
Reduce unused JavaScript		0.45 s ^
Reduce unused JavaScript and defer loading scripts until they are required to decrease bytes c Learn more. (LCP)	onsumed by netwo	ork activity.
	Show 3rd party re	esources (1)
URL	Transfer Size	Potential Savings
/v3/ (js.stripe.com)	63.5 KiB	48.9 KiB
Reduce unused CSS		0.3 s ^
Reduce unused rules from stylesheets and defer CSS not used for above-the-fold content to de network activity. <u>Learn more</u> . FCP <u>LCP</u>	crease bytes cons	sumed by
	Show 3rd-party re	esources (1)
URL	Transfer Size	Potential Savings
css/bootstrap.min.css (stackpath.bootstrapcdn.com)	24.3 KiB	22.8 KiB
/*! * Font Awesome Free 5.15.4 by <code>@fontawesome</code> - <code>https://fontawesome.com</code> * License - <code>https://fonta</code>	12.0 KiB	11.9 KiB
Enable text compression		0.3 s ^
Text-based resources should be served with compression (gzip, deflate or brotli) to minimize to	al network bytes.	<u>Learn</u>
more. FCP LCP		
	Show 3rd-party re	esources (1)
URL	Transfer Size	Potential Savings
/products/31/ (vinyl-rack.herokuapp.com)	20.1 KiB	15.5 KiB
css/base.css (vinyl-rack.s3.amazonaws.com)	7.7 KiB	5.5 KiB

Minifying CSS files can reduce network payload sizes. $\underline{\text{Learn more}}. \\ \boxed{\text{FCP}} \\ \boxed{\text{LCP}}$

	Show 3rd party Transfer	Potentia
URL	Size	Savin
css/base.css (vinyl-rack.s3.amazonaws.com)	8.2 KiB	2.6 KiE
Serve images in next-gen formats		0.15 s
Image formats like WebP and AVIF often provide better compression than PNG or JPI and less data consumption. <u>Learn more</u> .	EG, which means faster de	ownloads
	Show 3rd-party	resources (1)
URL	Resource Size	Potenti Saving
/media/paolo-nutini-sunny-side-up.jpg (vinyl-rack.s3.amazonaws.com)	209.3 KiB	105.9 KiB
gnostics — More information about the performance of your application. These numb formance score.	ers don't <u>directly affect</u> the	e
Image elements do not have explicit width and height		
Set an explicit width and height on image elements to reduce layout shifts and improv	e CLS. <u>Learn more</u> CLS	
	Show 3rd party	resources (1)
URL		
OKL	Failing Elements	
/media/paolo-nutini-sunny-side-up.jpg (vinyl-rack.s3.amazonaws.com)	Failing Elements	img.card- img- top.img-fluic
- Paule Maker,	Failing Elements	img-
/media/paolo-nutini-sunny-side-up.jpg (vinyl-rack.s3.amazonaws.com)	Failing Elements	img-
/media/paolo-nutini-sunny-side-up.jpg (vinyl-rack.s3.amazonaws.com) Serve static assets with an efficient cache policy — 3 resources found	Failing Elements Show 3rd-party	img- top.img-fluid
/media/paolo-nutini-sunny-side-up.jpg (vinyl-rack.s3.amazonaws.com) Serve static assets with an efficient cache policy — 3 resources found		img- top.img-fluid
/media/paolo-nutini-sunny-side-up.jpg (vinyl-rack.s3.amazonaws.com) Serve static assets with an efficient cache policy — 3 resources found A long cache lifetime can speed up repeat visits to your page. Learn more.	Show 3rd-party	img- top.img-fluid resources (3)
/media/paolo-nutini-sunny-side-up.jpg (vinyl-rack.s3.amazonaws.com) Serve static assets with an efficient cache policy — 3 resources found A long cache lifetime can speed up repeat visits to your page. Learn more. URL	Show 3rd-party Cache TTL	img- top.img-fluid
/media/paolo-nutini-sunny-side-up.jpg (vinyl-rack.s3.amazonaws.com) Serve static assets with an efficient cache policy — 3 resources found A long cache lifetime can speed up repeat visits to your page. Learn more. URL //3/ (js.stripe.com)	Show 3rd-party Cache TTL 1 m	img- top.img-fluid resources (3) Transfer Siz

chains, reducing the download size of resources, or deferring the download of unnecessary resources to improve page load.

Maximum critical path latency: 510 ms

Learn more. FCP LCP

Initial Navigation

/products/31/ (vinyl-rack.herokuapp.com)

...css/bootstrap.min.css (stackpath.bootstrapcdn.com) - 40 ms, 24.33 KiB

/css?family=Lato&display=swap (fonts.googleapis.com)

...v20/S6uyw4BMU....woff2 (fonts.gstatic.com) - 30 ms, 13.78 KiB

...css/base.css (vinyl-rack.s3.amazonaws.com) - 100 ms, 8.16 KiB

...webfonts/free-fa-brands-400.woff2 (ka-f.fontawesome.com) - 210 ms, 75.79 KiB

...webfonts/free-fa-solid-900.woff2 (ka-f.fontawesome.com) - 170 ms, 77.16 KiB

/jquery-3.4.1.min.js (code.jquery.com) - 20 ms, 30.06 KiB

...umd/popper.min.js (cdn.jsdelivr.net) - 20 ms, 7.41 KiB

...js/bootstrap.min.js (stackpath.bootstrapcdn.com) - 40 ms, 16.15 KiB

/2c410f4ae7.js (kit.fontawesome.com) - 40 ms, 3.97 KiB

/v3/ (js.stripe.com) - 40 ms, 63.52 KiB

Keep request counts low and transfer sizes small — 22 requests • 603 KiB

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

Resource Type	Requests	Transfer Size
Total	22	602.8 KiB
Image	1	209.8 KiB
Font	3	166.7 KiB
Script	7	150.3 KiB
Stylesheet	3	32.9 KiB
Document	3	22.6 KiB
Other	5	20.4 KiB
Media	0	0.0 KiB
Third-party	21	582.3 KiB

Largest Contentful Paint element — 1 element found

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

Element



img.card-img-top.img-fluid

Avoid large layout shifts - 5 elements found

These DOM elements contribute most to the CLS of the page. CLS

Element	CLS Contributi	on
div.col-12.col-md-6.col-lg-4		
	0.29	1
p.text-small		
	0.0	1
div.col.banner-bg.text-white		
	0.00	2
ul.d-lg-none.pl-2		
	0.00	1
ul.d-lg-none.pl-2		
	0.00	1
Avoid long main-thread tasks — 1 long task found		^
Lists the longest tasks on the main thread, useful for identifying wor		4.
URL	Show 3rd-party resources (* Start Time Durati	
/jquery-3.4.1.min.js (code.jquery.com)	3,389 ms 144 m	
nadary C. I. I. III (code, i, quary, com)	0,000 1110	_
Passed audits (24)		^
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 interactive. <u>Learn more</u> .	resources have finished loading to lower time to	
Minify JavaScript		^

Minifying JavaScript files can reduce payload sizes and script parse time. <u>Learn more</u> . <u>FCP</u> <u>LCP</u>	
Efficiently encode images — Potential savings of 24 KiB	^
Optimized images load faster and consume less cellular data. <u>Learn more</u> .	
Show 3rd-party resource	ees (1)
TIRI	Potential Savings
/media/paolo-nutini-sunny-side-up.jpg (vinyl-rack.s3.amazonaws.com) 209.3 KiB 23	3.9 KiB
Preconnect to required origins	^
Consider adding `preconnect` or `dns-prefetch` resource hints to establish early connections to important third-party or Learn more . FCP (LCP)	igins.
Initial server response time was short — Root document took 90 ms	^
Keep the server response time for the main document short because all other requests depend on it. <u>Learn more</u> . <u>FCP</u>	Ď
Show 3rd party resour	ees (0)
URL Tim	e Spent
/products/31/ (vinyl-rack.herokuapp.com)	90 ms
Avoid multiple page redirects	^
Redirects introduce additional delays before the page can be loaded. <u>Learn more</u> . <u>FCP</u> <u>LCP</u>	
Preload key requests	^
Consider using ` k rel=preload>` to prioritize fetching resources that are currently requested later in page load. <u>Learnergovenness-base-12</u> LCP	<u>n</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> <u>LCP</u>	
Remove duplicate modules in JavaScript bundles	^
Remove large, duplicate JavaScript modules from bundles to reduce unnecessary bytes consumed by network activity. TBT	
Avoid serving legacy JavaScript to modern browsers — Potential savings of 0 KiB	^
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 fe detection to reduce the amount of code shipped to modern browsers, while retaining support for legacy browsers. <u>Lear More (TBT)</u>	
☐ Show 3rd-party resource	ces (2)

URL **Potential Savings** Preload Largest Contentful Paint image Preload the image used by the LCP element in order to improve your LCP time. Learn more. [LCP] Avoids enormous network payloads — Total size was 603 KiB Large network payloads cost users real money and are highly correlated with long load times. Learn more. [LCP] ✓ Show 3rd-party resources (9) **URL** Transfer Size 209.8 KiB /media/paolo-nutini-sunny-side-up.jpg (vinyl-rack.s3.amazonaws.com) ...webfonts/free-fa-solid-900.woff2 (ka-f.fontawesome.com) 77.2 KiB ...webfonts/free-fa-brands-400.woff2 (ka-f.fontawesome.com) 75.8 KiB 63.5 KiB /v3/ (js.stripe.com) 30.1 KiB /jquery-3.4.1.min.js (code.jquery.com) 27.8 KiB /out-4.5.40.js (m.stripe.network) 24.3 KiB ...css/bootstrap.min.css (stackpath.bootstrapcdn.com) 20.5 KiB /products/31/ (vinyl-rack.herokuapp.com) ...js/bootstrap.min.js (stackpath.bootstrapcdn.com) 16.2 KiB ...v20/S6uyw4BMU....woff2 (fonts.gstatic.com) 13.8 KiB Avoids an excessive DOM size — 180 elements A large DOM will increase memory usage, cause longer style calculations, and produce costly layout reflows. Learn more. (TBT) Statistic Element Value **Total DOM Elements** 180 i.fas.fa-minus Maximum DOM Depth 16 div.product-details-container.mb-5.mt-md-5 Maximum Child Elements 9 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.

JavaScript execution time - 0.1 s

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

✓ Show 3rd-party resources (2)

URL	Total CPU Time	Script Evaluation	Script Parse
/products/31/ (vinyl-rack.herokuapp.com)	222 ms	14 ms	3 ms
Unattributable	153 ms	10 ms	0 ms
/v3/ (js.stripe.com)	75 ms	61 ms	13 ms
/jquery-3.4.1.min.js (code.jquery.com)	59 ms	35 ms	5 ms

Minimizes main-thread work — 0.6 s

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

Category	Time Spent
Other	195 ms
Script Evaluation	170 ms
Style & Layout	116 ms
Parse HTML & CSS	45 ms
Rendering	34 ms
Script Parsing & Compilation	27 ms

All text remains visible during webfont loads

Leverage the font-display CSS feature to ensure text is user-visible while webfonts are loading. Learn more. FCP (LCP)

Minimize third-party usage — Third-party code blocked the main thread for 0 ms

Third-party code can significantly impact load performance. Limit the number of redundant third-party providers and try to load third-party code after your page has primarily finished loading. <u>Learn more</u>. (TBT)

Show 3rd-party resources (0)

Third-Party	Transfer Size	Main-Thread Blocking Time
Amazon Web Services	220 KiB	0 ms
/media/paolo-nutini-sunny-side-up.jpg (vinyl-rack.s3.amazonaws.com)	210 KiB	0 ms
FontAwesome CDN	175 KiB	0 ms
webfonts/free-fa-solid-900.woff2 (ka-f.fontawesome.com)	77 KiB	0 ms
webfonts/free-fa-brands-400.woff2 (ka-f.fontawesome.com)	76 KiB	0 ms
css/free.min.css?token=2c410f4ae7 (ka-f.fontawesome.com)	13 KiB	0 ms
Other resources	9 KiB	0 ms
<u>Stripe</u>	95 KiB	0 ms
/v3/ (js.stripe.com)	64 KiB	0 ms

Third-Party	Transfer Size	Main-Thread Blocking Time
/out-4.5.40.js (m.stripe.network)	28 KiB	0 ms
Bootstrap CDN	40 KiB	0 ms
css/bootstrap.min.css (stackpath.bootstrapcdn.com)	24 KiB	0 ms
js/bootstrap.min.js (stackpath.bootstrapcdn.com)	16 KiB	0 ms
jQuery CDN	30 KiB	0 ms
/jquery-3.4.1.min.js (code.jquery.com)	30 KiB	0 ms
Google Fonts	14 KiB	0 ms
v20/S6uyw4BMUwoff2 (fonts.gstatic.com)	14 KiB	0 ms
JSDelivr CDN	7 KiB	0 ms
umd/popper.min.js (cdn.jsdelivr.net)	7 KiB	0 ms
Some third-party embeds can be lazy loaded. Consider replacing them wit $\overline{\text{(TBT)}}$	th a facade until they a	re required. <u>Learn more</u> .
Uses passive listeners to improve scrolling performance		
Consider marking your touch and wheel event listeners as `passive` to imp	prove your page's scro	Il performance. <u>Learn more</u> .
Avoids document.write()		^
For users on slow connections, external scripts dynamically injected via `d seconds. <u>Learn more</u> .	locument.write()` can o	delay page load by tens of
Avoid non-composited animations		^
Animations which are not composited can be janky and increase CLS. Lea	arn more CLS	



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.

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.

▲ Buttons do not 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>.

Failing Elements

Failing Elements		
	button#decrement-qty_31.decrement-qty.btn.border.rounded-0	
	button#increment-qty_31.increment-qty.btn.border.rounded-0	
	ies to improve the legibility of your content.	
	olors do not have a sufficient contrast ratio. impossible for many users to read. <u>Learn more</u> .	^
	impossible for many decre to road. <u>Essert more</u> .	
Failing Elements		
	p.text-small	
	a	
Additional items to manually chemore in our guide on conducting a	eck (10) — These items address areas which an automated testing tool cannot cover. Ln accessibility review.	earn ^
The page has a logical tab ord	der	^
Tabbing through the page follo	ows the visual layout. Users cannot focus elements that are offscreen. <u>Learn more</u> .	
Interactive controls are keybo	ard focusable	^
Custom interactive controls ar	re keyboard focusable and display a focus indicator. <u>Learn more</u> .	
Interactive elements indicate t	heir purpose and state	^

Interactive elements, such as links and buttons, should indicate their state and be distinguishable from non-interactive elements. Learn more. 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 more. 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 more. Custom controls have associated labels Custom interactive controls have associated labels, provided by aria-label or aria-labelledby. Learn more. Custom controls have ARIA roles Custom interactive controls have appropriate ARIA roles. 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 (19) [aria-*] attributes match their roles Each ARIA `role` supports a specific subset of `aria-*` attributes. Mismatching these invalidates the `aria-*` attributes. Learn more. [aria-hidden="true"] is not present on the document <body> Assistive technologies, like screen readers, work inconsistently when 'aria-hidden="true" is set on the document '<body>'. Learn more. [aria-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-*] 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. 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.

web page. Learn more.

Document has a <title> element The title gives screen reader users an overview of the page, and search engine users rely on it heavily to determine if a page is relevant to their search. Learn more. [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. 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. <html> element has a [lang] attribute If a page doesn't specify a lang attribute, a screen reader assumes that the page is in the default language that the user chose when setting up the screen reader. If the page isn't actually in the default language, then the screen reader might not announce the page's text correctly. Learn more. <html> element has a valid value for its [lang] attribute Specifying a valid BCP 47 language helps screen readers announce text properly. Learn more. 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. Form elements have associated labels Labels ensure that form controls are announced properly by assistive technologies, like screen readers. Learn more. Links have a discernible name Link text (and alternate text for images, when used as links) that is discernible, unique, and focusable improves the navigation experience for screen reader users. Learn more. Lists contain only <1i> elements and script supporting elements (<script> and <template>). Screen readers have a specific way of announcing lists. Ensuring proper list structure aids screen reader output. Learn more. List items () are contained within or parent elements Screen readers require list items ('') to be contained within a parent '' or '' to be announced properly. Learn more. [user-scalable="no"] is not used in the <meta name="viewport"> element and the [maximum-scale] attribute is not less than 5. Disabling zooming is problematic for users with low vision who rely on screen magnification to properly see the contents of a

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>.

Not applicable (23) [accesskey] values are unique Access keys let users quickly focus a part of the page. For proper navigation, each access key must be unique. Learn more. button, link, and menuitem elements have accessible names When an element doesn't have an accessible name, screen readers announce it with a generic name, making it unusable for users who rely on screen readers. Learn more. ARIA input fields have accessible names When an input field doesn't have an accessible name, screen readers announce it with a generic name, making it unusable for users who rely on screen readers. Learn more. ARIA meter elements have accessible names When an element doesn't have an accessible name, screen readers announce it with a generic name, making it unusable for users who rely on screen readers. Learn more. ARIA progressbar elements have accessible names When a 'progressbar' element doesn't have an accessible name, screen readers announce it with a generic name, making it unusable for users who rely on screen readers. Learn more. [role]s have all required [aria-*] attributes Some ARIA roles have required attributes that describe the state of the element to screen readers. Learn more. Elements with an ARIA [role] that require children to contain a specific [role] have all required children. Some ARIA parent roles must contain specific child roles to perform their intended accessibility functions. Learn more. [role]s are contained by their required parent element 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. <u>Learn more</u>.

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

No form fields have multiple labels

Form fields with multiple labels can be confusingly announced by assistive technologies like screen readers which use either the first, the last, or all of the labels. <u>Learn more</u>.

<frame> or <iframe> elements have a title

Screen reader users rely on frame titles to describe the contents of frames. 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. <u>Learn more</u>.

The document does not use <meta http-equiv="refresh">

Users do not expect a page to refresh automatically, and doing so will move focus back to the top of the page. This may create a frustrating or confusing experience. <u>Learn more</u>.

<object> elements have [alt] text

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>.

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 more</u>.

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



Trust and Safety

▲ Liı	nks to cross-origin desti	nations are unsafe		^
	dd `rel="noopener"` or ` earn more.	rel="noreferrer"` to any external links t	improve performance and prevent security vulnerab	oilities.
Fa	ailing Anchors	а		
Sc			rabilities — 2 vulnerabilities detected ies that are easily identified and exploited by attacker	rs.
	Library Version	Vulnerability Count	Highest Severity	
j <u>c</u>	Query@3.4.1	2	Medium	
De	escription		risk of cross-site scripting (XSS) attacks. Learn more Directive Severity	<u>e</u>
N	No CSP found in enforce	ement mode	High	
Gener	ral			
▲ Br	rowser errors were logg	ed to the console		^
	rrors logged to the cons oncerns. <u>Learn more</u>	ole indicate unresolved problems. The	/ can come from network request failures and other b	orowser
			Show 3rd-party resort	urces (1)
So	ource Description			
3	min.js: rack.herokuapp (https://code.	not read properties of null (reading .com/products/31/:434:51) at e (http jquery.com/jquery-3.4.1.min.js:2:297	'style') at HTMLDocument. <anonymous> (https://vings://code.jquery.com/jquery-3.4.1.min.js:2:29453) a</anonymous>	yl- t t
	ed audits (14)			^

Uses HTTPS

All sites should be protected with HTTPS, even ones that don't handle sensitive data. This includes avoiding <u>mixed content</u>, 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. <u>Learn more</u>.

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. <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. Consider tying the request to user gestures instead. 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. <u>Learn</u> 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. <u>Learn more</u>.

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. <u>Learn more</u>

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

Bootstrap 4.4.1

jQuery 3.4.1

Avoids deprecated APIs

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

Page has valid source maps

Source maps translate minified code to the original source code. This helps developers debug in production. In addition, Lighthouse is able to provide further insights. Consider deploying source maps to take advantage of these benefits. <u>Learn more</u>.

Show 3rd-party resources (2)

URL

Map URL

- ...js/bootstrap.min.js (stackpath.bootstrapcdn.com)
- ...js/bootstrap.min.js.map (stackpath.bootstrapcdn.com)

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

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

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.

Not applicable (1)

Fonts with font-display: optional are preloaded

Preload 'optional' fonts so first-time visitors may use them. Learn more



SE()

These checks ensure that your page is following basic search engine optimization advice. There are many additional factors Lighthouse does not score here that may affect your search ranking, including performance on Core Web Vitals. Learn more.

Crawling and Indexing — To appear in search results, crawlers need access to your app.

lack

Links are not 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. <u>Learn More</u>

Uncrawlable Link

a#deleteBtn.btn.btn-danger.rounded-0

Mobile Friendly — Make sure your pages are mobile friendly so users don't have to pinch or zoom in order to read the content pages. <u>Learn more</u>.

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>.

Tap Target		Size	Overlapping Target	
	button#decrement- qty_31.decrement- qty.btn.border.rounded-0	32x38		input#id_qty_3 1.form- control.qty_inp ut.text-center
	button#increment- qty_31.increment- qty.btn.border.rounded-0	32x38		input#id_qty_3 1.form- control.qty_inp ut.text-center
Additional items to manually practices.	v check (1) — Run these addition	al validators c	n your site to check additional SE	EO best ^
Structured data is valid				^
Run the Structured Data 1	<u>Festing Tool</u> and the <u>Structured Dat</u>	<u>a Linter</u> to val	idate structured data. <u>Learn more</u>	<u>2</u> .
Passed audits (10)				^
	rt"> tag with width or initial-scal		ens. <u>Learn more</u> .	^
Document has a <title> 6</td><th>element</th><td></td><td></td><td>^</td></tr><tr><th>The title gives screen reac
page is relevant to their se</th><th>der users an overview of the page,
earch. <u>Learn more</u>.</th><th>and search e</th><th>ngine users rely on it heavily to d</th><th>etermine if a</th></tr><tr><td>Document has a meta des</td><th>scription</th><td></td><td></td><td>^</td></tr><tr><td>Meta descriptions may be</td><th>included in search results to conci</th><td>sely summari:</td><td>ze page content. <u>Learn more</u>.</td><td></td></tr><tr><td>Page has successful HTT</td><th>P status code</th><td></td><td></td><td>^</td></tr><tr><td>Pages with unsuccessful I</td><th>HTTP status codes may not be ind</th><td>exed properly.</td><td><u>Learn more</u>.</td><td></td></tr><tr><td>Links have descriptive tex</td><th>t</th><td></td><td></td><td>^</td></tr><tr><td>Descriptive link text helps</td><th>search engines understand your c</th><td>ontent. <u>Learn</u></td><td>more.</td><td></td></tr><tr><td>Page isn't blocked from in</td><th>dexing</th><td></td><td></td><td>^</td></tr><tr><td>Search engines are unabl</td><th>e to include your pages in search r</th><td>esults if they</td><td>don't have permission to crawl the</td><td>em. <u>Learn more</u>.</td></tr><tr><td>Image elements have [alt</td><th>t] attributes</th><td></td><td></td><td>^</td></tr></tbody></table></title>				

Informative elements should aim for short, descriptive alternate text. Decorative elements can be ignored with an empty alt attribute. Learn more. Document has a valid hreflang hreflang links tell search engines what version of a page they should list in search results for a given language or region. Learn more. Document uses legible font sizes — 100% legible text Font sizes less than 12px are too small to be legible and require mobile visitors to "pinch to zoom" in order to read. Strive to have >60% of page text ≥12px. Learn more. Show 3rd-party resources (0) Source Selector % of Page Text Font Size 100.00% Legible text ≥ 12px Document avoids plugins Search engines can't index plugin content, and many devices restrict plugins or don't support them. Learn more. Not applicable (2) robots.txt is valid If your robots.txt file is malformed, crawlers may not be able to understand how you want your website to be crawled or indexed. Learn more. Document has a valid rel=canonical Canonical links suggest which URL to show in search results. Learn more.



Progressive Web App

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

Installable

Web app manifest or service worker do not meet the installability requirements — 4 reasons

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

Manifest start URL is not valid

Failure reason

Manifest does not contain a 'name' or 'short name' field

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.

Downloaded icon was empty or corrupted

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>.

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. <u>Learn more</u>.

▲ Is not configured for a custom splash screen Failures: Manifest does not have `name`.

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

▲ Does not set a theme color for the address bar. Failures: No `<meta name="theme-color">` tag found.

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>.

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>.

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. Learn more.

Additional items to manually check (3) — These checks are required by the baseline <u>PWA Checklist</u> but are not automatically checked by Lighthouse. They do not affect your score but it's important that you verify them manually.

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

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 https://vinyl-rack.herokuapp.com/products/31/

Fetch Time Oct 17, 2021, 10:55 AM GMT+1

Device Emulated Moto G4

Network throttling 150 ms TCP RTT, 1,638.4 Kbps throughput (Simulated)

CPU throttling 4x slowdown (Simulated)

Channel devtools

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

Gecko) Chrome/94.0.4606.81 Safari/537.36

User agent (network) Mozilla/5.0 (Linux; Android 7.0; Moto G (4)) AppleWebKit/537.36 (KHTML, like

Gecko) Chrome/94.0.4590.2 Mobile Safari/537.36 Chrome-Lighthouse

CPU/Memory Power 1492

Axe version 4.2.3

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