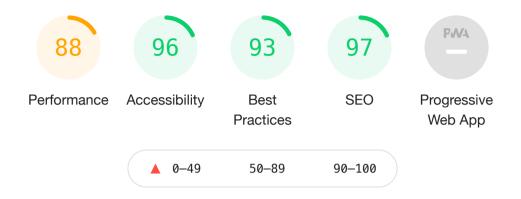


https://retrodome.herokuapp.com/accounts/login/





Performance

Metrics			=
First Contentful Paint	3.0 s	Time to Interactive	3.4 s
Speed Index	3.0 s	Total Blocking Time	30 ms
Largest Contentful Paint	3.0 s	Cumulative Layout Shift	0.003

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

























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.

Estimated Savings Opportunity

Eliminate render-blocking resources

2.03 s ^

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>. [FCP] [LCP]

Show 3rd-party resources (8)

URL	Transfer Size	Potential Savings
css/base.css (retrodome.s3.amazonaws.com)	4.6 KiB	780 ms
css/bootstrap.min.css (cdn.jsdelivr.net)	24.7 KiB	1,220 ms
css/loginregister.css (retrodome.s3.amazonaws.com)	4.0 KiB	780 ms
/jquery-3.6.0.min.js (code.jquery.com)	30.4 KiB	1,430 ms
js/bootstrap.bundle.min.js (cdn.jsdelivr.net)	22.8 KiB	450 ms
/35a878bce2.js (kit.fontawesome.com)	4.0 KiB	790 ms
/v3/ (js.stripe.com)	63.9 KiB	1,950 ms
js/base.js (retrodome.s3.amazonaws.com)	1.1 KiB	780 ms

Reduce unused JavaScript

0.59 s ^

Reduce unused JavaScript and defer loading scripts until they are required to decrease bytes consumed by network activity. Learn more. [LCP]

	Show 3rd-party r	esources (2)
URL	Transfer Size	Potential Savings
/v3/ (js.stripe.com)	63.9 KiB	49.4 KiB
/jquery-3.6.0.min.js (code.jquery.com)	30.4 KiB	21.8 KiB
Reduce unused CSS		0.3 s ^
Reduce unused rules from stylesheets and defer CSS not used for above-the-fold content network activity. <u>Learn more</u> . FCP LCP	to decrease bytes cor	nsumed by
	Show 3rd-party r	esources (1)
URL	Transfer Size	Potential Savings
css/bootstrap.min.css (cdn.jsdelivr.net)	24.7 KiB	23.1 KiB
<pre>/*! * Font Awesome Free 5.15.4 by @fontawesome - https://fontawesome.com * License - https://fonta</pre>	12.0 KiB	11.9 KiB
Enable text compression		0.15 s ^
Text-based resources should be served with compression (gzip, deflate or brotli) to minimizemore. FCP LCP	ze total network bytes.	. <u>Learn</u>
	✓ Show 3rd-party r	esources (3)
URL	Transfer Size	Potential Savings
/accounts/login/ (retrodome.herokuapp.com)	16.1 KiB	11.9 KiB
css/base.css (retrodome.s3.amazonaws.com)	4.2 KiB	2.8 KiB
js/loginregister.js (retrodome.s3.amazonaws.com)	3.5 KiB	2.7 KiB

...css/loginregister.css (retrodome.s3.amazonaws.com)

3.6 KiB

2.6 KiB

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

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	resources (3)
URL	Cache TTL	Transfer Size
/v3/ (js.stripe.com)	1 m	64 KiB
js/m-outer-6391740js (js.stripe.com)	1 m	1 KiB
/out-4.5.41.js (m.stripe.network)	5 m	31 KiB
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. <u>Learn more</u>. FCP LCP

Maximum critical path latency: 520 ms

Initial Navigation

```
/accounts/login/ (retrodome.herokuapp.com)
```

...css/base.css (retrodome.s3.amazonaws.com)

/css2?family=Geo&display=swap (fonts.googleapis.com)

...v14/CSRz4zRZI....woff2 (fonts.gstatic.com) - 10 ms, 4.26 KiB

...css/bootstrap.min.css (cdn.jsdelivr.net) - 30 ms, 24.67 KiB

...css/loginregister.css (retrodome.s3.amazonaws.com)

/css2?family=Monoton&display=swap (fonts.googleapis.com)

...v10/5h1aiZUrO....woff2 (fonts.gstatic.com) - 10 ms, 16.18 KiB

...webfonts/free-fa-brands-400.woff2 (ka-f.fontawesome.com) - 110 ms, 75.74 KiB

...webfonts/free-fa-solid-900.woff2 (ka-f.fontawesome.com) - 90 ms, 77.19 KiB

/jquery-3.6.0.min.js (code.jquery.com) - 100 ms, 30.40 KiB

...js/bootstrap.bundle.min.js (cdn.jsdelivr.net) - 30 ms, 22.82 KiB

/35a878bce2.js (kit.fontawesome.com) - 50 ms, 3.96 KiB

/v3/ (js.stripe.com) - 20 ms, 63.86 KiB

...js/base.js (retrodome.s3.amazonaws.com) - 130 ms, 1.07 KiB

Keep request counts low and transfer sizes small - 24 requests • 402 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	24	402.3 KiB
Font	4	173.4 KiB
Script	8	158.4 KiB
Stylesheet	5	34.1 KiB
Other	4	19.0 KiB
Document	3	17.4 KiB
Image	0	0.0 KiB
Media	0	0.0 KiB
Third-party	23	385.7 KiB

Largest Contentful Paint element - 1 element found

This is the largest contentful element painted within the viewport. Learn More [LCP]

Element

p.my-0	
Avoid large layout shifts — 5 elements found	^
These DOM elements contribute most to the CLS of the page. CLS	
Element	CLS Contribution
h1.text-light-blue.pb-1	
	0.001
h1.text-retro-pink	
	0.001
p.w-100	
	0.001

Element	CLS	Contribution
h1#signin_h1.text-white		
		0.001
a.navbar-brand		
		0
Avoid long main-thread tasks — 1 long task found		^
Lists the longest tasks on the main thread, useful for identifying worst of	contributors to input delay. Learn more TB1	Ī
	Show 3rd-party re	:sources (1)
URL	Start Time	Duration
/jquery-3.6.0.min.js (code.jquery.com)	3,061 ms	83 ms
esed audits (27)		^
Properly size images		^
Serve images that are appropriately-sized to save cellular data and imp	prove load time. <u>Learn more</u> .	
Defer offscreen images		^
Consider lazy-loading offscreen and hidden images after all critical resolutoriactive. <u>Learn more</u> .	ources have finished loading to lower time	to
Minify CSS		^
Minifying CSS files can reduce network payload sizes. Learn more. FC	P (LCP)	

Minify JavaScript	^
Minifying JavaScript files can reduce payload sizes and script parse time. Learn more. FCP LCP	
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 WebP and AVIF often provide better compression than PNG or JPEG, which means faster and less data consumption. <u>Learn more</u> .	r downloads
Preconnect to required origins	^
Consider adding `preconnect` or `dns-prefetch` resource hints to establish early connections to important thir origins. <u>Learn more</u> . FCP <u>LCP</u>	rd-party
Initial server response time was short — Root document took 70 ms	^
Keep the server response time for the main document short because all other requests depend on it. Learn r	
LCP	more. (FCP)
LCP	more. [FCP]
LCP	
CP Show 3rd-pa	arty resources (0)
URL	arty resources (0) Time Spent
URL /accounts/login/ (retrodome.herokuapp.com)	Time Spent
URL /accounts/login/ (retrodome.herokuapp.com) Avoid multiple page redirects	Time Spent
URL /accounts/login/ (retrodome.herokuapp.com) Avoid multiple page redirects Redirects introduce additional delays before the page can be loaded. Learn more. FCP LCP	Time Spent 70 ms
URL /accounts/login/ (retrodome.herokuapp.com) Avoid multiple page redirects Redirects introduce additional delays before the page can be loaded. Learn more. FCP LCP Preload key requests Consider using ` <link rel="preload"/> ` to prioritize fetching resources that are currently requested later in page loads.	Time Spent 70 ms

Use video formats for animated content	^
Large GIFs are inefficient for delivering animated content. Consider using MPEG4/WebM videos for a PNG/WebP for static images instead of GIF to save network bytes. <u>Learn more (LCP)</u>	nimations and
Remove duplicate modules in JavaScript bundles	^
Remove large, duplicate JavaScript modules from bundles to reduce unnecessary bytes consumed to TBT	by network activity.
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 modern browsers. For your bundled JavaScript, adopt a modern script deployment strategy using m feature detection to reduce the amount of code shipped to modern browsers, while retaining support Learn More TBT	odule/nomodule
☐ Show	3rd-party resources (1)
URL	Potential Savings
Preload Largest Contentful Paint image	^
Preload Largest Contentful Paint image Preload the image used by the LCP element in order to improve your LCP time. Learn more. LCP	^
	^
Preload the image used by the LCP element in order to improve your LCP time. <u>Learn more</u> . <u>LCP</u>	^
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 402 KiB Large network payloads cost users real money and are highly correlated with long load times. Learn	^
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 402 KiB Large network payloads cost users real money and are highly correlated with long load times. Learn	more. LCP
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 402 KiB Large network payloads cost users real money and are highly correlated with long load times. Learn Show	more. LCP v 3rd-party resources (9)
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 402 KiB Large network payloads cost users real money and are highly correlated with long load times. Learn Show URL	more. LCP y 3rd-party resources (9) Transfer Size
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 402 KiB Large network payloads cost users real money and are highly correlated with long load times. Learn Show URL webfonts/free-fa-solid-900.woff2 (ka-f.fontawesome.com)	more. LCP v 3rd-party resources (9) Transfer Size 77.2 KiB
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 402 KiB Large network payloads cost users real money and are highly correlated with long load times. Learn Which is the state of the local payloads with long load times. Learn Which is the local payloads with long load times. Learn Learn is the local payloads with long load times. Learn Which is the local payloads with load payloads with long load times. Learn Which is the local payloads with load payloads with	more. LCP v 3rd-party resources (9) Transfer Size 77.2 KiB 75.7 KiB

URL		Ті	ransfer Size
css/bootstrap.min.css (cdn.jsdelivr.net)			24.7 KiB
js/bootstrap.bundle.min.js (cdn.jsdelivr.ne	et)		22.8 KiB
/accounts/login/ (retrodome.herokuapp.com)			16.6 KiB
v10/5h1aiZUrOwoff2 (fonts.gstatic.con	n)		16.2 KiB
css/free.min.css?token=35a878bce2 (ka	a-f.fontawesome.com)		13.0 KiB
Avoids an excessive DOM size — 180 ele	ements		^
A large DOM will increase memory usage, c	ause longer <u>style calculations</u> ,	and produce costly <u>layout reflows</u> . <u>Learn</u>	<u>n more</u> .
Statistic	Element		Value
Total DOM Elements			180
Maximum DOM Depth		i.fab.fa-google.text-white.mt-3.fs- 4.pe-5	13
Maximum Child Elements	body		9
User Timing marks and measures			^
Consider instrumenting your app with the U experiences. <u>Learn more</u> .	ser Timing API to measure you	ır app's real-world performance during k	ey user
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. Learn more. (TBT)

✓ Show 3rd-party resources (1)

URL	Total CPU Time	Script Evaluation	Script Parse
/accounts/login/ (retrodome.herokuapp.com)	173 ms	9 ms	1 ms
Unattributable	130 ms	12 ms	1 ms
/v3/ (js.stripe.com)	60 ms	50 ms	9 ms

Minimizes main-thread work -0.4 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)

Category	Time Spent
Other	154 ms
Script Evaluation	113 ms
Style & Layout	93 ms
Rendering	37 ms
Parse HTML & CSS	33 ms
Script Parsing & Compilation	17 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)

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C	how.	224	norty	rocol iroco	/O\
	711077	ਗਰ	party	resources	(U)

Third-Party	Transfer Size	Main-Thread Blocking Time
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=35a878bce2 (ka-f.fontawesome.com)	13 KiB	0 ms
Other resources	9 KiB	0 ms
<u>Stripe</u>	98 KiB	0 ms
/v3/ (js.stripe.com)	64 KiB	0 ms
/out-4.5.41.js (m.stripe.network)	31 KiB	0 ms
JSDelivr CDN	47 KiB	0 ms
css/bootstrap.min.css (cdn.jsdelivr.net)	25 KiB	0 ms
js/bootstrap.bundle.min.js (cdn.jsdelivr.net)	23 KiB	0 ms
jQuery CDN	30 KiB	0 ms
/jquery-3.6.0.min.js (code.jquery.com)	30 KiB	0 ms
Google Fonts	21 KiB	0 ms
v10/5h1aiZUrOwoff2 (fonts.gstatic.com)	16 KiB	0 ms
v14/CSRz4zRZIwoff2 (fonts.gstatic.com)	4 KiB	0 ms
Amazon Web Services	14 KiB	0 ms
css/base.css (retrodome.s3.amazonaws.com)	5 KiB	0 ms
css/loginregister.css (retrodome.s3.amazonaws.com)	4 KiB	0 ms
Other resources	5 KiB	0 ms
Lazy load third-party resources with facades		^
Some third-party embeds can be lazy loaded. Consider replacing them w	vith a facade until they	are required. <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 performance. Learn more.

Avoids document.write()

For users on slow connections, external scripts dynamically injected via `document.write()` can delay page load by tens of seconds. Learn more.

Avoid non-composited animations

Animations which are not composited can be janky and increase CLS. Learn more CLS

Image elements have explicit width and height

Set an explicit width and height on image elements to reduce layout shifts and improve CLS. Learn 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.

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

A	Background and foreground colors do not have a sufficient contrast ratio.	^
	Low-contrast text is difficult or impossible for many users to read. <u>Learn more</u> .	
	Failing Elements	
	div.toast-body	

Heading elements are not in a sequentially-descending order	
Properly ordered headings that do not skip levels convey the semantic structure of the page, making it easier to nav and understand when using assistive technologies. <u>Learn more</u> .	igate
Failing Elements	
h5.text-light-blue.pt-2	
dditional items to manually check (10) — These items address areas which an automated testing tool cannot covern more in our guide on conducting an accessibility review.	er.
The page has a logical tab order	
Tabbing through the page follows the visual layout. Users cannot focus elements that are offscreen. Learn more.	
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. Learn more.	ve
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	
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 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. 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.</nav></main>	ology.
Passed audits (19)	^
[aria-*] attributes match their roles	^
Each ARIA `role` supports a specific subset of `aria-*` attributes. Mismatching these invalidates the `aria-*` attributes. <u>Le more</u> .	<u>earn</u>
[aria-hidden="true"] is not present on the document <body></body>	^
Assistive technologies, like screen readers, work inconsistently when `aria-hidden="true"` is set on the document ` <box\text{box} learn="" more.<="" td=""><td>dy>`.</td></box\text{box}>	dy>`.
[aria-hidden="true"] elements do not contain focusable descendents	^
Focusable descendents within an `[aria-hidden="true"]` element prevent those interactive elements from being available users of assistive technologies like screen readers. <u>Learn more</u> .	e to
[role]s have all required [aria-*] attributes	^
Some ARIA roles have required attributes that describe the state of the element to screen readers. <u>Learn more</u> .	
[role] values are valid	^

ARIA roles must have valid values in order to perform their intended accessibility functions. Learn more. [aria-*] attributes have valid values Assistive technologies, like screen readers, can't interpret ARIA attributes with invalid values. Learn more. [aria-*] attributes are valid and not misspelled Assistive technologies, like screen readers, can't interpret ARIA attributes with invalid names. Learn more. Buttons have an accessible name When a button doesn't have an accessible name, screen readers announce it as "button", making it unusable for users who rely on screen readers. Learn more. The page contains a heading, skip link, or landmark region Adding ways to bypass repetitive content lets keyboard users navigate the page more efficiently. Learn more. Document has a <title> element The title gives screen reader users an overview of the page, and search engine users rely on it heavily to determine if a page is relevant to their search. 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. <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.

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 web page. Learn more. 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 \wedge 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. 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. ARIA toggle fields have accessible names When a toggle field doesn't have an accessible name, screen readers announce it with a generic name, making it unusable for users who rely on screen readers. Learn more. ARIA tooltip elements have accessible names When an element doesn't have an accessible name, screen readers announce it with a generic name, making it unusable for users who rely on screen readers. Learn more. ARIA treeitem elements have accessible names When an element doesn't have an accessible name, screen readers announce it with a generic name, making it unusable for users who rely on screen readers. Learn more. <dl>'s contain only properly-ordered <dt> and <dd> groups, <script>, <template> or <div> elements. When definition lists are not properly marked up, screen readers may produce confusing or inaccurate output. Learn more.

Definition list items are wrapped in <dl> elements Definition list items (<dt>` and `<dd>`) must be wrapped in a parent `<dl>` element to ensure that screen readers can properly announce them. Learn more. No form fields have multiple labels Form fields with multiple labels can be confusingly announced by assistive technologies like screen readers which use either the first, the last, or all of the labels. Learn more. <frame> or <iframe> elements have a title Screen reader users rely on frame titles to describe the contents of frames. Learn more. Image elements have [alt] attributes Informative elements should aim for short, descriptive alternate text. Decorative elements can be ignored with an empty alt attribute. Learn more. <input type="image"> elements have [alt] text When an image is being used as an '<input>' button, providing alternative text can help screen reader users understand the purpose of the button. Learn more. The document does not use <meta http-equiv="refresh"> Users do not expect a page to refresh automatically, and doing so will move focus back to the top of the page. This may create a frustrating or confusing experience. Learn more. <object> elements have [alt] text Screen readers cannot translate non-text content. Adding alt text to '<object>' elements helps screen readers convey meaning to users. Learn more. No element has a [tabindex] value greater than 0 A value greater than 0 implies an explicit navigation ordering. Although technically valid, this often creates frustrating experiences for users who rely on assistive technologies. Learn more. Cells in a element that use the [headers] attribute refer to table cells within the same table.

Screen readers have features to make navigating tables easier. Ensuring `` cells using the `[headers]` attribute only refer to other cells in the same table may improve the experience for screen reader users. Learn more.

elements and elements with [role="columnheader"/"rowheader"] have data cells they describe.

Screen readers have features to make navigating tables easier. Ensuring table headers always refer to some set of cells may improve the experience for screen reader users. <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. Learn more.



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 more

Description Directive Severity

No CSP found in enforcement mode High

General

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Issues were logged 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. Show 3rd-party resources (0) Issue type SameSite cookie /v3/ (js.stripe.com) /v3/m-outer-f790224....html (js.stripe.com) ...js/m-outer-6391740....js (js.stripe.com) /6 (m.stripe.com) Passed audits (16) **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. Links to cross-origin destinations are safe Add 'rel="noopener" or 'rel="noreferrer" to any external links to improve performance and prevent security vulnerabilities. Learn more. Avoids requesting the geolocation permission on page load Users are mistrustful of or confused by sites that request their location without context. Consider tying the request to a user action instead. Learn more. Avoids requesting the notification permission on page load

Users are mistrustful of or confused by sites that request to send notifications without context. Consider tying the request to user gestures instead. Learn more. Avoids front-end JavaScript libraries with known security vulnerabilities Some third-party scripts may contain known security vulnerabilities that are easily identified and exploited by attackers. Learn more. Allows users to paste into password fields Preventing password pasting undermines good security policy. Learn more. Displays images with correct aspect ratio ^ Image display dimensions should match natural aspect ratio. Learn more. Serves images with appropriate resolution Image natural dimensions should be proportional to the display size and the pixel ratio to maximize image clarity. Learn more. Page has the HTML doctype Specifying a doctype prevents the browser from switching to quirks-mode. Learn more. Properly defines charset A character encoding declaration is required. It can be done with a `<meta>` tag in the first 1024 bytes of the HTML or in the Content-Type HTTP response header. Learn more. Avoids unload event listeners The 'unload' event does not fire reliably and listening for it can prevent browser optimizations like the Back-Forward Cache. Consider using the 'pagehide' or 'visibilitychange' events instead. Learn more **Avoids Application Cache** Application Cache is deprecated. Learn more. **Detected JavaScript libraries** All front-end JavaScript libraries detected on the page. Learn more.

Version
5.1.0
3.6.0
^
er. <u>Learn more</u> .
^
They can come from network request failures and other
^
code. This helps developers debug in production. In addition, oying source maps to take advantage of these benefits. Learn
Show 3rd-party resources (1)
Map URL
js/bootstrap.bundle.min.js.map (cdn.jsdelivr.net)
^
^
<u>_earn more</u>



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.

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>.

Tap targets are not size	ed appropriately — 80% appro	priately size	ed tap targets	^
	e buttons and links should be lar hout overlapping onto other elen			ce around them, to be
Tap Target		Size	Overlapping Target	
	input#id_remember.ch eckboxinput.form- check-input	16x16		input#id_password.t extinput.textInput.fo rm-control
Additional items to manua practices.	ally check (1) — Run these add	ditional valid	ators on your site to check add	itional SEO best
Structured data is valid	d			^
Run the Structured Dat	a Testing Tool and the Structured	d Data Linter	to validate structured data. Lear	<u>rn more</u> .
Passed audits (10)				^
Hasa <meta name="vie</td><td>ewport"/> tag with width or init:	ial-scale			

Add a ` <meta name="viewpoi</th><th>t"/> ` tag to optimize your app for r	nobile screens. <u>Learn more</u>		
Document has a <title> ele</td><td>ment</td><td></td><td></td><td>^</td></tr><tr><td>The title gives screen reader upage is relevant to their search</td><td>users an overview of the page, and h. Learn more.</td><td>d search engine users rely o</td><td>n it heavily to determine if a</td><td></td></tr><tr><td>Document has a meta descri</td><td>ption</td><td></td><td></td><td>^</td></tr><tr><td>Meta descriptions may be inc</td><td>luded in search results to concise</td><td>ly summarize page content.</td><td>. <u>Learn more</u>.</td><td></td></tr><tr><td>Page has successful HTTP s</td><td>tatus code</td><td></td><td></td><td>^</td></tr><tr><td>Pages with unsuccessful HTT</td><td>P status codes may not be indexe</td><td>ed properly. <u>Learn more</u>.</td><td></td><td></td></tr><tr><td>Links have descriptive text</td><td></td><td></td><td></td><td>^</td></tr><tr><td>Descriptive link text helps sea</td><td>urch engines understand your conf</td><td>tent. <u>Learn more</u>.</td><td></td><td></td></tr><tr><td>Links are crawlable</td><td></td><td></td><td></td><td>^</td></tr><tr><td></td><td>`attributes on links to crawl webs so more pages of the site can be</td><td></td><td>ttribute of anchor elements links</td><td></td></tr><tr><td>Page isn't blocked from inde</td><td>xing</td><td></td><td></td><td>^</td></tr><tr><td>Search engines are unable to</td><td>include your pages in search resu</td><td>lts if they don't have permis</td><td>ssion to crawl them. <u>Learn more</u>.</td><td></td></tr><tr><td>Document has a valid hrefla</td><td>ng</td><td></td><td></td><td>^</td></tr><tr><td>hreflang links tell search engir
<u>Learn more</u>.</td><td>nes what version of a page they sh</td><td>nould list in search results fo</td><td>or a given language or region.</td><td></td></tr><tr><td>Document uses legible font</td><td>sizes - 100% legible text</td><td></td><td></td><td>^</td></tr><tr><td>Font sizes less than 12px are to have >60% of page text ≥1</td><td>too small to be legible and require 2px. Learn more.</td><td>e mobile visitors to "pinch to</td><td>zoom" in order to read. Strive</td><td></td></tr><tr><td></td><td></td><td></td><td>Show 3rd-party resources (</td><td>0)</td></tr><tr><td>Source</td><td>Selector</td><td>% of Page Text</td><td>Font Size</td><td></td></tr></tbody></table></title>			

Source	Selector	% of Page Text	Font Size
Legible text		100.00%	≥ 12px
Document avoids p	lugins		^
Search engines can	t index plugin content, and ma	nny devices restrict plugins or don't sup	oport them. <u>Learn more</u> .
Not applicable (3)			^
robots.txt is valid			^
If your robots.txt file indexed. <u>Learn more</u>		ot be able to understand how you want	your website to be crawled or
Image elements hav	/e [alt] attributes		^
Informative elements attribute. <u>Learn more</u>		tive alternate text. Decorative elements	can be ignored with an empty alt
Document has a va	id rel=canonical		^
Canonical links sugg	gest which URL to show in sear	rch results. <u>Learn more</u> .	



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 — 1 reason

Service worker is the technology that enables your app to use many Progressive Web App features, such as offline, add to homescreen, and push notifications. With proper service worker and manifest implementations, browsers can proactively prompt users to add your app to their homescreen, which can lead to higher engagement. Learn more.

Failure reason

No manifest was fetched

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

Does not set a theme color 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.

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.

A	Does not provide a valid apple-touch-icon	^
	For ideal appearance on iOS when users add a progressive web app to the home screen, define an `apple-touch-icon`. It must point to a non-transparent 192px (or 180px) square PNG. <u>Learn More</u> .	
A	Manifest doesn't have a maskable icon 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 more.	e.
	ditional items to manually check (3) — These checks are required by the baseline PWA Checklist but are not comatically checked by Lighthouse. They do not affect your score but it's important that you verify them manually.	^
ut	omationly officered by Eighthouse. They do not uncer your score but it a important that you verify them manually.	
ut	Site works cross-browser	
ut		^
ut	Site works cross-browser	
ut	Site works cross-browser To reach the most number of users, sites should work across every major browser. Learn more.	, and the state of
iut	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	

Runtime	Settings

URL	https://retrodome.herokuapp.com/accounts/login/
Fetch Time	Nov 14, 2021, 11:38 PM GMT
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 (Macintosh; Intel Mac OS X 10_15_7) 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 2617

Axe version 4.2.3

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