



Performance

Metrics						=
First Contentful Paint	1.0 s	Time to	o Interactive			1.0 s
Speed Index	1.0 s	Total B	Blocking Time	•		0 ms
Largest Contentful Paint	1.3 s	Cumul	ative Layout	Shift		0.041
Values are estimated and may vary. The performance so	core is calcu	<u>ulated</u> direct	ly from these	metrics. <u>See</u>	calculator.	
ラ ラ ラ ラ ラ ラ ラ ラ	3	y	E STATE OF S	3.5 (100 m) 2.5 (100 m) 3.5 (100 m)	\$ 25 miles	S COLUMN TO THE SECOND TO THE

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

Opportunity	Estima	ated Savings
Eliminate render-blocking resources		0.38 s ^
Resources are blocking the first paint of your page. Consider delivering critical JS/CS JS/styles. <u>Learn more</u> .	S inline and deferring all nor Show 3rd party re	
URL	Transfer Size	Potential Savings
/css2?family= (fonts.googleapis.com)	1.1 KB	390 ms

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 - 6 resources found

A long cache lifetime can speed up repeat visits to your page. Learn more.

	Onow ord-party	103001003 (0)
URL	Cache TTL	Transfer Size
images/ac-logo.png (8000-e96287a3-4d24-42cc-9ecc-379f5617c80a.ws-eu01.gitpod.io)	None	55 KB
images/fireworks.gif (8000-e96287a3-4d24-42cc-9ecc-379f5617c80a.ws-eu01.gitpod.io)	None	53 KB
images/falconhoof.jpg (8000-e96287a3-4d24-42cc-9ecc-379f5617c80a.ws-eu01.gitpod.io)	None	30 KB
js/gameScript.js (8000-e96287a3-4d24-42cc-9ecc-379f5617c80a.ws-eu01.gitpod.io)	None	12 KB
js/questions.js (8000-e96287a3-4d24-42cc-9ecc-379f5617c80a.ws-eu01.gitpod.io)	None	12 KB
css/style.css (8000-e96287a3-4d24-42cc-9ecc-379f5617c80a.ws-eu01.gitpod.io)	None	2 KB

Avoid chaining critical requests - 6 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>.

Maximum critical path latency: 870 ms

Initial Navigation

https://8000-e96287a3-4d24-42cc-9ecc-379f5617c80a.ws-eu01.gitpod.io

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

...v17/mem5YaGs1....woff2 (fonts.gstatic.com) - 60 ms, 10.23 KB

...v12/EvOJzAlL3....woff2 (fonts.gstatic.com) - 120 ms, 16.59 KB

...css/style.css (8000-e96287a3-4d24-42cc-9ecc-379f5617c80a.ws-eu01.gitpod.io) - 480 ms, 1.76 KB

/jquery-3.5.1.js (code.jquery.com) - 180 ms, 90.77 KB

...js/questions.js (8000-e96287a3-4d24-42cc-9ecc-379f5617c80a.ws-eu01.gitpod.io) - 450 ms, 11.87 KB

...js/gameScript.js (8000-e96287a3-4d24-42cc-9ecc-379f5617c80a.ws-eu01.gitpod.io) - 480 ms, 12.36 KB

Keep request counts low and transfer sizes small - 11 requests • 285 KB

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

Resource Type	Requests	Transfer Size
Total	11	284.8 KB
Image	3	138.5 KB
Script	3	115 KB
Font	2	26.8 KB
Stylesheet	2	2.9 KB
Document	1	1.6 KB
Media	0	0 KB

Resource Type	Requests		Transfer Size
Other	0		0 KB
Third-party	4		118.7 KB
Largest Contentful Paint element — 1 element found			^
This is the element that was identified as the Largest Contentful Paint.	<u>Learn More</u>		
Element			
img			
Avoid large layout shifts — 3 elements found			^
These DOM elements contribute most to the CLS of the page.			
Element			
div#welcome-screen.question-container.show			
div.center-logo			
div			
<div></div>			
sed audits (24)			^
sed audits (24) Properly size images — Potential savings of 21 KB Serve images that are appropriately-sized to save cellular data and im	prove load time. <u>Learn</u>		^
Properly size images — Potential savings of 21 KB Serve images that are appropriately-sized to save cellular data and im	prove load time. <u>Learn</u>	Show 3rd-party re	
Properly size images — Potential savings of 21 KB	prove load time. <u>Learn</u>		^
Properly size images — Potential savings of 21 KB Serve images that are appropriately-sized to save cellular data and im		Show 3rd party re	esources (0) Potential
Properly size images — Potential savings of 21 KB Serve images that are appropriately-sized to save cellular data and im URL images/falconhoof.jpg (8000-e96287a3-4d24-42cc-9ecc-379)		Show 3rd party re Resource Size	Potentia Savings 20.6 KB
Properly size images — Potential savings of 21 KB Serve images that are appropriately-sized to save cellular data and im URL images/falconhoof.jpg (8000-e96287a3-4d24-42cc-9ecc-378eu01.gitpod.io)	0f5617c80a.ws-	Resource Size	Potentia Savings 20.6 KB
Properly size images — Potential savings of 21 KB Serve images that are appropriately-sized to save cellular data and im URL images/falconhoof.jpg (8000-e96287a3-4d24-42cc-9ecc-379eu01.gitpod.io) Defer offscreen images	0f5617c80a.ws-	Resource Size	Potentia Savings 20.6 KB
Properly size images — Potential savings of 21 KB Serve images that are appropriately-sized to save cellular data and im URL images/falconhoof.jpg (8000-e96287a3-4d24-42cc-9ecc-379eu01.gitpod.io) Defer offscreen images Consider lazy-loading offscreen and hidden images after all critical research.	0f5617c80a.ws-	Resource Size	Potentia Savings 20.6 KB
Properly size images — Potential savings of 21 KB Serve images that are appropriately-sized to save cellular data and im URL images/falconhoof.jpg (8000-e96287a3-4d24-42cc-9ecc-379eu01.gitpod.io) Defer offscreen images Consider lazy-loading offscreen and hidden images after all critical resinteractive. Learn more.	0f5617c80a.ws-	Resource Size	Potential Savings
Properly size images — Potential savings of 21 KB Serve images that are appropriately-sized to save cellular data and im URL images/falconhoof.jpg (8000-e96287a3-4d24-42cc-9ecc-379eu01.gitpod.io) Defer offscreen images Consider lazy-loading offscreen and hidden images after all critical resinteractive. Learn more. Minify CSS	0f5617c80a.ws-	Resource Size	Potential Savings 20.6 KB

JRL	Transfer Size	Potentia Saving
/jquery-3.5.1.js (code.jquery.com)	90.8 KB	45.7 KE
js/gameScript.js (8000-e96287a3-4d24-42cc-9ecc-379f5617c80a.ws-eu01.gitpod.io)	12.4 KB	6.3 KE
js/questions.js (8000-e96287a3-4d24-42cc-9ecc-379f5617c80a.ws-eu01.gitpod.io)	11.9 KB	4.7 KE
Remove unused CSS		
Remove dead rules from stylesheets and defer the loading of CSS not used for above-innecessary bytes consumed by network activity. <u>Learn more</u> .	the-fold content to reduce	
Remove unused JavaScript — Potential savings of 70 KB		
Remove unused JavaScript to reduce bytes consumed by network activity. Learn more	.	
	Show 3rd-party re	esources (1
JRL	Transfer Size	Potenti Saving
/jquery-3.5.1.js (code.jquery.com)	90.8 KB	63.5 KE
js/gameScript.js (8000-e96287a3-4d24-42cc-9ecc-379f5617c80a.ws-eu01.gitpod.io)	12.4 KB	6.9 KE
Efficiently encode images		
Optimized images load faster and consume less cellular data. <u>Learn more</u> .		
Serve images in next-gen formats — Potential savings of 60 KB		
Serve images in next-gen formats — Potential savings of 60 KB mage formats like JPEG 2000, JPEG XR, and WebP often provide better compression aster downloads and less data consumption. <u>Learn more</u> .	than PNG or JPEG, which	
mage formats like JPEG 2000, JPEG XR, and WebP often provide better compression	than PNG or JPEG, which	means
mage formats like JPEG 2000, JPEG XR, and WebP often provide better compression		means esources (0
mage formats like JPEG 2000, JPEG XR, and WebP often provide better compression aster downloads and less data consumption. <u>Learn more</u> .	Show 3rd party re	esources (0 Potent Savin
mage formats like JPEG 2000, JPEG XR, and WebP often provide better compression aster downloads and less data consumption. Learn more. URL images/ac-logo.png (8000-e96287a3-4d24-42cc-9ecc-379f5617c80a.ws-	Show 3rd-party re Resource Size	Potent Saving 46 KI
mage formats like JPEG 2000, JPEG XR, and WebP often provide better compression aster downloads and less data consumption. Learn more. URL images/ac-logo.png (8000-e96287a3-4d24-42cc-9ecc-379f5617c80a.ws-eu01.gitpod.io) images/falconhoof.jpg (8000-e96287a3-4d24-42cc-9ecc-379f5617c80a.ws-	Show 3rd-party re Resource Size 55.4 KB	Potent Savin 46 K
mage formats like JPEG 2000, JPEG XR, and WebP often provide better compression aster downloads and less data consumption. Learn more. URL images/ac-logo.png (8000-e96287a3-4d24-42cc-9ecc-379f5617c80a.ws-eu01.gitpod.io) images/falconhoof.jpg (8000-e96287a3-4d24-42cc-9ecc-379f5617c80a.ws-eu01.gitpod.io) Enable text compression — Potential savings of 30 KB Text-based resources should be served with compression (gzip, deflate or brotli) to min	Resource Size 55.4 KB	Potent Savin 46 KI 14.3 KI
mage formats like JPEG 2000, JPEG XR, and WebP often provide better compression aster downloads and less data consumption. Learn more. URL images/ac-logo.png (8000-e96287a3-4d24-42cc-9ecc-379f5617c80a.ws-eu01.gitpod.io) images/falconhoof.jpg (8000-e96287a3-4d24-42cc-9ecc-379f5617c80a.ws-eu01.gitpod.io) Enable text compression — Potential savings of 30 KB	Resource Size 55.4 KB	Potent Savin 46 KI 14.3 KI
mage formats like JPEG 2000, JPEG XR, and WebP often provide better compression aster downloads and less data consumption. Learn more. URL images/ac-logo.png (8000-e96287a3-4d24-42cc-9ecc-379f5617c80a.ws-eu01.gitpod.io) images/falconhoof.jpg (8000-e96287a3-4d24-42cc-9ecc-379f5617c80a.ws-eu01.gitpod.io) Enable text compression — Potential savings of 30 KB Text-based resources should be served with compression (gzip, deflate or brotli) to min	Resource Size 55.4 KB 29.8 KB	Potent Saving 46 KI 14.3 KI Learn
mage formats like JPEG 2000, JPEG XR, and WebP often provide better compression aster downloads and less data consumption. Learn more. URL images/ac-logo.png (8000-e96287a3-4d24-42cc-9ecc-379f5617c80a.ws-eu01.gitpod.io) images/falconhoof.jpg (8000-e96287a3-4d24-42cc-9ecc-379f5617c80a.ws-eu01.gitpod.io) Enable text compression — Potential savings of 30 KB Text-based resources should be served with compression (gzip, deflate or brotli) to minnore.	Resource Size 55.4 KB 29.8 KB Show 3rd party re Transfer	means Potenti Saving 46 KE 14.3 KE

Statistic

Total DOM Elements

JRL	Transfer Size	Poter Savii
css/style.css (8000-e96287a3-4d24-42cc-9ecc-379f5617c80a.ws-eu01.gitpod.io)	3.1 KB	2.5 H
Preconnect to required origins		
Consider adding `preconnect` or `dns-prefetch` resource hints to establish early connections to imprigins. Learn more.	portant third-pa	rty
nitial server response time was short — Root document took 190 ms		
Keep the server response time for the main document short because all other requests depend o	n it. <u>Learn more</u> .	
Avoid multiple page redirects		
Redirects introduce additional delays before the page can be loaded. Learn more.		
Preload key requests		
Consider using ` <link rel="preload"/> ` to prioritize fetching resources that are currently requested lat more.	er in page load.	<u>Learn</u>
Use video formats for animated content		
Large GIFs are inefficient for delivering animated content. Consider using MPEG4/WebM videos for SNG/WebP for static images instead of GIF to save network bytes. Learn more	or animations ar	nd
Avoids enormous network payloads — Total size was 285 KB		
Large network payloads cost users real money and are highly correlated with long load times. Lea	arn more.	
▼ S	how 3rd-party re	sources
JRL	-	Transfer
		90.8
/jquery-3.5.1.js (code.jquery.com)		55.4
/jquery-3.5.1.js (code.jquery.com)		53.4
/jquery-3.5.1.js (code.jquery.com)images/ac-logo.png (8000-e96287a3-4d24-42cc-9ecc-379f5617c80a.ws-eu01.gitpod.io)		
/jquery-3.5.1.js (code.jquery.com)images/ac-logo.png (8000-e96287a3-4d24-42cc-9ecc-379f5617c80a.ws-eu01.gitpod.io)images/fireworks.gif (8000-e96287a3-4d24-42cc-9ecc-379f5617c80a.ws-eu01.gitpod.io)		29.8
/jquery-3.5.1.js (code.jquery.com)images/ac-logo.png (8000-e96287a3-4d24-42cc-9ecc-379f5617c80a.ws-eu01.gitpod.io)images/fireworks.gif (8000-e96287a3-4d24-42cc-9ecc-379f5617c80a.ws-eu01.gitpod.io)images/falconhoof.jpg (8000-e96287a3-4d24-42cc-9ecc-379f5617c80a.ws-eu01.gitpod.io)		53.4 29.8 16.6 12.4
/jquery-3.5.1.js (code.jquery.com)images/ac-logo.png (8000-e96287a3-4d24-42cc-9ecc-379f5617c80a.ws-eu01.gitpod.io)images/fireworks.gif (8000-e96287a3-4d24-42cc-9ecc-379f5617c80a.ws-eu01.gitpod.io)images/falconhoof.jpg (8000-e96287a3-4d24-42cc-9ecc-379f5617c80a.ws-eu01.gitpod.io)v12/EvOJzAlL3woff2 (fonts.gstatic.com)		29.8 16.6
/jquery-3.5.1.js (code.jquery.com)images/ac-logo.png (8000-e96287a3-4d24-42cc-9ecc-379f5617c80a.ws-eu01.gitpod.io)images/fireworks.gif (8000-e96287a3-4d24-42cc-9ecc-379f5617c80a.ws-eu01.gitpod.io)images/falconhoof.jpg (8000-e96287a3-4d24-42cc-9ecc-379f5617c80a.ws-eu01.gitpod.io)v12/EvOJzAlL3woff2 (fonts.gstatic.com)js/gameScript.js (8000-e96287a3-4d24-42cc-9ecc-379f5617c80a.ws-eu01.gitpod.io)		29.8 16.6 12.4 11.9
/jquery-3.5.1.js (code.jquery.com)images/ac-logo.png (8000-e96287a3-4d24-42cc-9ecc-379f5617c80a.ws-eu01.gitpod.io)images/fireworks.gif (8000-e96287a3-4d24-42cc-9ecc-379f5617c80a.ws-eu01.gitpod.io)images/falconhoof.jpg (8000-e96287a3-4d24-42cc-9ecc-379f5617c80a.ws-eu01.gitpod.io)v12/EvOJzAlL3woff2 (fonts.gstatic.com)js/gameScript.js (8000-e96287a3-4d24-42cc-9ecc-379f5617c80a.ws-eu01.gitpod.io)js/questions.js (8000-e96287a3-4d24-42cc-9ecc-379f5617c80a.ws-eu01.gitpod.io)		29.8 16.6 12.4

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

Element

5/16

Value

34

8/2020		
Statistic	Element	Value
Maximum DOM Depth	<pre><input class="input-style" id="player-name" name="playername" type="t</pre></td><td>text"/> 5</pre>	
Maximum Child Elements	<body></body>	8
User Timing marks and mea	sures	^
Consider instrumenting your experiences. <u>Learn more</u> .	app with the User Timing API to measure your app's real-world performance du	ring key user
JavaScript execution time		^
Consider reducing the time s with this. <u>Learn more</u> .	pent parsing, compiling, and executing JS. You may find delivering smaller JS p	ayloads helps
Minimizes main-thread work	c — 0.1 s	^
Consider reducing the time s with this. <u>Learn more</u>	pent parsing, compiling and executing JS. You may find delivering smaller JS pa	ayloads helps
Category		Time Spent
Other		50 ms
Script Evaluation		25 ms
Style & Layout		12 ms
Rendering		9 ms
Script Parsing & Compilatio	n	7 ms
Parse HTML & CSS		6 ms
Garbage Collection		2 ms
All text remains visible durin	ng webfont loads	^
Leverage the font-display CS	SS feature to ensure text is user-visible while webfonts are loading. <u>Learn more</u> .	
Minimize third-party usage	 Third-party code blocked the main thread for 0 ms 	^
	antly impact load performance. Limit the number of redundant third-party provice our page has primarily finished loading. Learn more.	lers and try to
Third-Party	Transfer Size Main-Three	ad Blocking Time
jQuery CDN	91 KB	0 ms
Google Fonts	28 KB	0 ms
Uses HTTP/2 for its own res	cources	^

	Third-Party	Transfer Size		Main-Thread Blocking Tim	ıe
jQuery Cl	<u>ON</u>	91 KB		0 ms	3
Google F	<u>onts</u>	28 KB		0 ms	3
Uses HTT	P/2 for its own resources				^
HTTP/2 of	fers many benefits over HTTP/1.1, inclu	ding binary headers, n	nultiplexing, and server p	oush. <u>Learn more</u> .	
Uses pass	sive listeners to improve scrolling perfo	ormance			^
Consider r	marking your touch and wheel event liste	eners as `passive` to ir	nprove your page's scro	Il performance. <u>Learn more</u> .	
Avoids do	cument.write()				^

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



Accessibility

These checks highlight opportunities to improve the accessibility of your web app. Only a subset of accessibility issues can be automatically detected so manual testing is also encouraged.

Additional items to manually check (10) — These items address areas which an automated testing tool cannot cover. Learn more in our guide on <u>conducting an accessibility review</u>.

The page has a logical tab order	
Tabbing through the page follows the visual layout. Users cannot focus elements that are offscreen. Lea	<u>arn more</u> .
Interactive controls are keyboard focusable	
Custom interactive controls are keyboard focusable and display a focus indicator. <u>Learn more</u> .	
Interactive elements indicate their purpose and state	
Interactive elements, such as links and buttons, should indicate their state and be distinguishable from elements. <u>Learn more</u> .	non-interactive
The user's focus is directed to new content added to the page	
If new content, such as a dialog, is added to the page, the user's focus is directed to it. <u>Learn more</u> .	
User focus is not accidentally trapped in a region	
A user can tab into and out of any control or region without accidentally trapping their focus. Learn more	<u>'e</u> .
Custom controls have associated labels	
Custom interactive controls have associated labels, provided by aria-label or aria-labelledby. Learn more	<u>°e</u> .
Custom controls have ARIA roles	
Custom interactive controls have appropriate ARIA roles. <u>Learn more</u> .	
Visual order on the page follows DOM order	
DOM order matches the visual order, improving navigation for assistive technology. Learn more.	
Offscreen content is hidden from assistive technology	

a web page. Learn more.

Landmark elements (<main>, <nav>, etc.) are used to improve the keyboard navigation of the page for assistive technology. Learn more.

Passed audits (11) [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. 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. Background and foreground colors have a sufficient contrast ratio Low-contrast text is difficult or impossible for many users to read. 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. 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. [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

[accesskey] values are unique

Access keys let users quickly focus a part of the page. For proper navigation, each access key must be unique. <u>Learn</u> more.

[aria-*] attributes match their roles

Each ARIA 'role' supports a specific subset of 'aria-*' attributes. Mismatching these invalidates the 'aria-*' attributes. <u>Learn more</u>.

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

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. <u>Learn more</u>.

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

[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.

<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 ('<dt>` and `<dd>`) must be wrapped in a parent `<dl>` element to ensure that screen readers can properly announce them. <u>Learn more</u>.

ARIA IDs are unique

The value of an ARIA ID must be unique to prevent other instances from being overlooked by assistive technologies. <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. Learn more.

Presentational elements avoid using , <caption> or the [summary] attribute.

A table being used for layout purposes should not include data elements, such as the thor caption elements or the summary attribute, because this can create a confusing experience for screen reader users. <u>Learn more</u>.

Links have a discernible name

Link text (and alternate text for images, when used as links) that is discernible, unique, and focusable improves the navigation experience for screen reader users. <u>Learn more</u>.

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. <u>Learn</u> more.

List items (<1i>) are contained within <u1> or <o1> parent elements

Screen readers require list items (') to be contained within a parent '' or '' to be announced properly. <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>.

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.

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

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



Best Practices

User Experience

Displays images with incorrect aspect ratio

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

Show 3rd-party resources (0)

URL Aspect Ratio Aspect Ratio (Displayed) (Actual)

...images/fireworks.gif (8000-e96287a3-4d24-42cc-9ecc-379f5617c80a.ws-eu01.gitpod.io)

265 x 200 (1.32)

200 x 185 (1.08)

Passed audits (13)

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 servedover 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>.

Links to cross-origin destinations are safe

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 appropriate size 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 Application Cache** Application Cache is deprecated. Learn more. **Detected JavaScript libraries** All front-end JavaScript libraries detected on the page. Learn more. Name Version 3.5.1 jQuery Avoids deprecated APIs Deprecated APIs will eventually be removed from the browser. Learn more. No browser errors logged to the console Errors logged to the console indicate unresolved problems. They can come from network request failures and other browser concerns. Learn more

Add 'rel="noopener" or 'rel="noreferrer" to any external links to improve performance and prevent security vulnerabilities.



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

Additional items to manually check (1) — Run these additional validators on your site to check additional SEO best practices.	^
Structured data is valid	^
Run the <u>Structured Data Testing Tool</u> and the <u>Structured Data Linter</u> to validate structured data. <u>Learn more</u> .	
Passed audits (9)	^
Has a <meta name="viewport"/> tag with width or initial-scale	^
Add a ` <meta name="viewport"/> ` tag to optimize your app for mobile screens. Learn more.	
Document has a <title> element</td><td>^</td></tr><tr><td>The title gives screen reader users an overview of the page, and search engine users rely on it heavily to determine if a page is relevant to their search. <u>Learn more</u>.</td><td>1</td></tr><tr><td>Document has a meta description</td><td>^</td></tr><tr><td>Meta descriptions may be included in search results to concisely summarize page content. Learn more.</td><td></td></tr><tr><td>Page has successful HTTP status code</td><td>^</td></tr><tr><td>Pages with unsuccessful HTTP status codes may not be indexed properly. Learn more.</td><td></td></tr><tr><td>Links have descriptive text</td><td>^</td></tr><tr><td>Descriptive link text helps search engines understand your content. <u>Learn more</u>.</td><td></td></tr><tr><td>Page isn't blocked from indexing</td><td>^</td></tr><tr><td>Search engines are unable to include your pages in search results if they don't have permission to crawl them. Learn r</td><td>more.</td></tr><tr><td>Image elements have [alt] attributes</td><td>^</td></tr><tr><td>Informative elements should aim for short, descriptive alternate text. Decorative elements can be ignored with an emp attribute. <u>Learn more</u>.</td><td>ity alt</td></tr><tr><td>Document has a valid hreflang</td><td>^</td></tr><tr><td>hreflang links tell search engines what version of a page they should list in search results for a given language or regio <u>Learn more</u>.</td><td>n.</td></tr><tr><td>Document avoids plugins</td><td>^</td></tr><tr><td>Search engines can't index plugin content, and many devices restrict plugins or don't support them. Learn more.</td><td></td></tr></tbody></table></title>	

Not applicable (4)

robots.txt is valid

If your robots.txt file is malformed, crawlers may not be able to understand how you want your website to be crawled or indexed. <u>Learn more</u>.

Document has a valid rel=canonical

Canonical links suggest which URL to show in search results. Learn more.

Document uses legible font sizes

Font sizes less than 12px are too small to be legible and require mobile visitors to "pinch to zoom" in order to read. Strive to have >60% of page text ≥12px. Learn more.

Tap targets are sized appropriately

Interactive elements like buttons and links should be large enough (48x48px), and have enough space around them, to be easy enough to tap without overlapping onto other elements. <u>Learn more</u>.



Progressive Web App

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

Fast and reliable

Page load is fast enough on mobile networks

A fast page load over a cellular network ensures a good mobile user experience. Learn more.

▲ Current page does not respond with a 200 when offline

If you're building a Progressive Web App, consider using a service worker so that your app can work offline. Learn more.

start_url does not respond with a 200 when offline No usable web app manifest found on page.

A service worker enables your web app to be reliable in unpredictable network conditions. Learn more.

Installable

Uses HTTPS

All sites should be protected with HTTPS, even ones that don't handle sensitive data. This includes avoiding <u>mixed content</u>, where some resources are loaded over HTTP despite the initial request being servedover 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>.

Does not register a service worker that controls page and start_url

The service worker is the technology that enables your app to use many Progressive Web App features, such as offline, add to homescreen, and push notifications. Learn more.

▲ Web app manifest does not meet the installability requirements Failures: No manifest was fetched.

Browsers can proactively prompt users to add your app to their homescreen, which can lead to higher engagement. <u>Learn more</u>.

PWA Optimized

Redirects HTTP traffic to HTTPS

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

▲ 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. Learn more.

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.

Contains some content when JavaScript is not available

Your app should display some content when JavaScript is disabled, even if it's just a warning to the user that JavaScript is required to use the app. <u>Learn more</u>.

▲ 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>.

▲ 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. <u>Learn more</u>.

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://8000-e96287a3-4d24-42cc-9ecc-379f5617c80a.ws-eu01.gitpod.io/

Fetch Time Aug 26, 2020, 6:01 PM GMT+1

Device Emulated Desktop

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

CPU throttling 1x slowdown (Simulated)

Channel devtools

User agent (host) Mozilla/5.0 (Macintosh; Intel Mac OS X 10_13_6) AppleWebKit/537.36 (KHTML,

like Gecko) Chrome/84.0.4147.105 Safari/537.36

User agent (network) Mozilla/5.0 (Macintosh; Intel Mac OS X 10_13_6) AppleWebKit/537.36 (KHTML,

like Gecko) Chrome/80.0.3963.0 Safari/537.36 Chrome-Lighthouse

CPU/Memory Power 1411

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