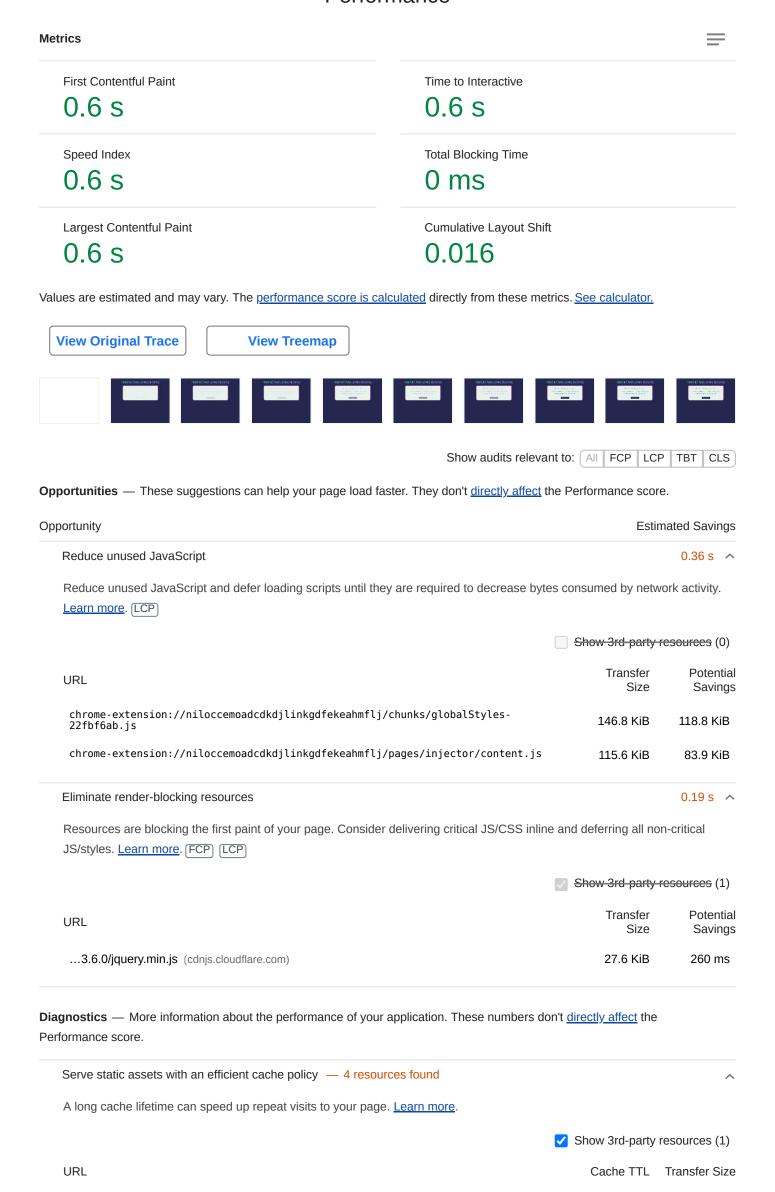


Performance



2

	URL	Cache TTL	Transfer Size
	images/magic-square-solving-instructions.png (e	oinlarkin.github.io) 10 m	17 KiB
	js/magic-square.js (eoinlarkin.github.io)	10 m	4 KiB
	css/style.css (eoinlarkin.github.io)	10 m	3 KiB
	/analytics.js (www.google-analytics.com)	2 h	20 KiB
0	Avoid chaining critical requests — 5 chains found		
		esources are loaded with a high priority. Consider reducing deferring the download of unnecessary resources to improv	
	Maximum critical path latency: 440 ms		
	Initial Navigation		
	/magic-square-game/index.html (eoinlarkin.g	github.io)	
	css/style.css (eoinlarkin.github.io)		
	/css2?family=Monoton&family=Titil	lium+Web&display=swap (fonts.googleapis.com)	
	v10/5h1aiZUrOwoff2 (for	nts.gstatic.com) - 10 ms, 16.18 KiB	
	v10/NaPecZTIAwoff2 (fo	nts.gstatic.com) - 10 ms, 12.08 KiB	
	3.6.0/jquery.min.js (cdnjs.cloudflare.co	m) - 20 ms, 27.64 KiB	
	/d375cce442.js (kit.fontawesome.com) - 2	20 ms, 4.01 KiB	
	js/magic-square.js (eoinlarkin.github.io) - 120 ms, 4.04 KiB	
0	Keep request counts low and transfer sizes small —	- 18 requests • 396 KiB	,
	To set budgets for the quantity and size of page reso	ources, add a budget.json file. <u>Learn more</u> .	
	Resource Type	Requests	Transfer Siz
	Total	18	396.4 KiB
	Script	9	327.1 KiE
	Font	2	28.3 KiE
	Other	3	18.3 KiE
	Image	1	17.0 KiE
	Stylesheet	2	3.1 KiE
	Document	1	2.6 KiE
	Media	0	0.0 KiE
	Third-party	14	370.2 KiB
0	Largest Contentful Paint element — 1 element four	nd	,
	This is the largest contentful element painted within t	the viewport. <u>Learn More</u> <u>LCP</u>	
	Element		
	h1.title.gradient-text		
0	Avoid large layout shifts — 5 elements found		•
	These DOM elements contribute most to the CLS of	the page. CLS	
	Element		CLS Contributio
		C	, LO COMMIDUMO
	a		
			0.01
	div.container		
	div.container		0.003

р		
		0.
р		
		0.
button#start-button.btn		
Avoid long main-thread tasks — 1 long task found		
Lists the longest tasks on the main thread, useful for identifying worst contributors to input	delay. <u>Learn more</u> TB	Ī
	Show 3rd-party	resources
URL	Start Time	Dur
/magic-square-game/index.html (eoinlarkin.github.io)	352 ms	69
Passed audits (31)		
Properly size images		
Serve images that are appropriately-sized to save cellular data and improve load time. Lea	arn more.	
Serve images that are appropriately-sized to save cellular data and improve load time. Lea	arn more.	
		to
Defer offscreen images Consider lazy-loading offscreen and hidden images after all critical resources have finished		to
Defer offscreen images Consider lazy-loading offscreen and hidden images after all critical resources have finisher interactive. Learn more.		to
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Consider adding `preconnect` or `dns-prefetch` resource hints to establish early connections to important third-party origins.

Learn more. FCP LCP

	^
Keep the server response time for the main document short because all other requests depend on it. LCP	earn more. (FCP)
☐ Show €	3rd party resources (0)
URL	Time Spent
/magic-square-game/index.html (eoinlarkin.github.io)	120 ms
Avoid multiple page redirects	^
Redirects introduce additional delays before the page can be loaded. <u>Learn more</u> . FCP <u>LCP</u>	
Preload key requests	^
Consider using ` <link rel="preload"/> ` to prioritize fetching resources that are currently requested later in page. FCP LCP	oage load. <u>Learn</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 ani PNG/WebP for static images instead of GIF to save network bytes. <u>Learn more (LCP)</u>	imations and
Remove duplicate modules in JavaScript bundles	^
Remove large, duplicate JavaScript modules from bundles to reduce unnecessary bytes consumed by ITBT	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't modern browsers. For your bundled JavaScript, adopt a modern script deployment strategy using modu detection to reduce the amount of code shipped to modern browsers, while retaining support for legacy More (TBT)	ule/nomodule feature
Show	3rd party resources (0)
URL	Potential Savings
<pre>chrome- extension://niloccemoadcdkdjlinkgdfekeahmflj/pages/injector/cont</pre>	
ent.js	0.2 KiB
ent.js @babel/plugin-transf	form-
ent.js content.js:3361 @babel/plugin-transf	form-
ent.js content.js:3361 @babel/plugin-transf classes Preload Largest Contentful Paint image	form-
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	Maximum Child Elements				1
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	Consider instrumenting your app with the User Timing API to r experiences. <u>Learn more</u> .	neasure your app	o's real-world pe	rformance durin	g key user
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	Consider reducing the time spent parsing, compiling, and execution with this. $\underline{\text{Learn more}}. \ \overline{\text{TBT}}$	cuting JS. You ma	ay find delivering	smaller JS pay	loads helps
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	3.6.0/jquery.min.js (cdnjs.cloudflare.com)	108	3 ms	52 ms	2 n
	Unattributable	92	2 ms	13 ms	0 n
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	Consider reducing the time spent parsing, compiling and exec	uting JS. You ma	y find delivering	smaller JS payl	oads helps
	with this. <u>Learn more</u> TBT				
	Category				Time Sp
	Other				143 n
	Script Evaluation				140 r
	Script Parsing & Compilation				58 r
	Style & Layout				57 r
	Rendering				29 r
	Parse HTML & CSS				27 r
	Garbage Collection				5 r
	All text remains visible during webfont loads				
	Leverage the font-display CSS feature to ensure text is user-v	isible while webfo	onts are loading.	Learn more. FC	CP (LCP)
	Minimize third-party usage — Third-party code blocked the m	nain thread for 0 r	ns		
	Third-party code can significantly impact load performance. Lin load third-party code after your page has primarily finished load			-party providers	and try to
				Show 3rd party	/ resources (
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	Google Fonts		29 KiB		0 r
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	Google Analytics /analytics.js (www.google-analytics.com)		20 KiB 20 KiB		0 r 0 r
0	Lazy load third-party resources with facades				
-	Some third-party embeds can be lazy loaded. Consider replac	ing them with a fa	acade until they	are required. <u>Le</u>	<u>arn more</u> .
0	Largest Contentful Paint image was not lazily loaded				
	Above-the-fold images that are lazily loaded render later in the	e page lifecycle, v	vhich can delay t	the largest conte	entful paint.
	Learn more.				
	Uses passive listeners to improve scrolling performance				

Consider marking your touch and wheel event listeners as `passive` to improve your page's scroll performance. <u>Learn more</u>.

	Avoids document.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> .	
0	Avoid non-composited animations	^
	Animations which are not composited can be janky and increase CLS. <u>Learn more</u> <u>CLS</u>	
	Image elements have explicit width and height	^
	Set an explicit width and height on image elements to reduce layout shifts and improve CLS. <u>Learn more CLS</u>	
	Has a <meta name="viewport"/> tag with width or initial-scale	^
	A ` <meta name="viewport"/> ` not only optimizes your app for mobile screen sizes, but also prevents <u>a 300 millisecond delay</u> to user input. <u>Learn more</u> . (TBT)	



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 conducting an accessibility review. O 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. Learn more. 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. 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. O 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. O 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. O 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 (12) [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.

Buttons have an accessible name

	When a button doesn't have an accessible name, screen readers announce it as "button", making it unusable for users who rely on screen readers. <u>Learn more</u> .
	The page contains a heading, skip link, or landmark region
	Adding ways to bypass repetitive content lets keyboard users navigate the page more efficiently. <u>Learn more</u> .
	Background and foreground colors have a sufficient contrast ratio
	Low-contrast text is difficult or impossible for many users to read. <u>Learn more</u> .
	Document has a <title> element</th></tr><tr><th></th><th>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>.</th></tr><tr><th></th><th>[id] attributes on active, focusable elements are unique</th></tr><tr><th></th><th>All focusable elements must have a unique `id` to ensure that they're visible to assistive technologies. <u>Learn more</u>.</th></tr><tr><th></th><th>Heading elements appear in a sequentially-descending order</th></tr><tr><th></th><th>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. <u>Learn more</u>.</th></tr><tr><th></th><th><html> element has a [lang] attribute</th></tr><tr><th></th><th>If a page doesn't specify a lang attribute, a screen reader assumes that the page is in the default language that the user chose when setting up the screen reader. If the page isn't actually in the default language, then the screen reader might not announce the page's text correctly. <u>Learn more</u>.</th></tr><tr><th></th><th><html> element has a valid value for its [lang] attribute</th></tr><tr><th></th><th>Specifying a valid <u>BCP 47 language</u> helps screen readers announce text properly. <u>Learn more</u>.</th></tr><tr><th></th><th>Links have a discernible name</th></tr><tr><th></th><th>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>.</th></tr><tr><th></th><th>[user-scalable="no"] is not used in the <meta name="viewport"> element and the [maximum-scale] attribute is not less than 5.</th></tr><tr><th></th><th>Disabling zooming is problematic for users with low vision who rely on screen magnification to properly see the contents of a web page. <u>Learn more</u>.</th></tr><tr><th></th><th></th></tr><tr><th>Not</th><th>t applicable (32)</th></tr><tr><th>Not</th><th>[accesskey] values are unique</th></tr><tr><th></th><th></th></tr><tr><th></th><th>[accesskey] values are unique</th></tr><tr><th></th><th>[accesskey] values are unique Access keys let users quickly focus a part of the page. 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	ARIA roles must have valid values in order to perform their intended accessibility functions. <u>Learn more</u> .	
0	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> .	
0	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. <u>Learn more</u> .	r
0	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> .	r
0	[aria-*] attributes have valid values	^
	Assistive technologies, like screen readers, can't interpret ARIA attributes with invalid values. <u>Learn more</u> .	
0	[aria-*] attributes are valid and not misspelled	^
	Assistive technologies, like screen readers, can't interpret ARIA attributes with invalid names. <u>Learn more</u> .	
0	<pre><dl>'s contain only properly-ordered <dt> and <dd> groups, <script>, <template> or <div> elements.</pre></td><td>^</td></tr><tr><td></td><td>When definition lists are not properly marked up, screen readers may produce confusing or inaccurate output. <u>Learn more</u>.</td><td></td></tr><tr><td>0</td><td>Definition list items are wrapped in <dl> elements</td><td>^</td></tr><tr><td></td><td>Definition list items (`<dt>` and `<dd>`) must be wrapped in a parent `<dl>` element to ensure that screen readers can properly announce them. <u>Learn more</u>.</td><td></td></tr><tr><td>0</td><td>ARIA IDs are unique</td><td>^</td></tr><tr><td></td><td>The value of an ARIA ID must be unique to prevent other instances from being overlooked by assistive technologies. <u>Learn more</u>.</td><td></td></tr><tr><td>0</td><td>No form fields have multiple labels</td><td>^</td></tr><tr><td></td><td>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>.</td><td>r</td></tr><tr><td>0</td><td><frame> or <iframe> elements have a title</td><td>^</td></tr><tr><td></td><td>Screen reader users rely on frame titles to describe the contents of frames. <u>Learn more</u>.</td><td></td></tr><tr><td>0</td><td>Image elements have [alt] attributes</td><td>^</td></tr><tr><td></td><td>Informative elements should aim for short, descriptive alternate text. Decorative elements can be ignored with an empty alt attribute. <u>Learn more</u>.</td><td></td></tr><tr><td>0</td><td><pre><input type="image"> elements have [alt] text</pre></td><td>^</td></tr><tr><td></td><td>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>.</td><td>!</td></tr><tr><td>0</td><td>Form elements have associated labels</td><td>^</td></tr><tr><td></td><td>Labels ensure that form controls are announced properly by assistive technologies, like screen readers. <u>Learn more</u>.</td><td></td></tr><tr><td>0</td><td>Lists contain only elements and script supporting elements (<script> and <template>).</td><td>^</td></tr><tr><td></td><td>Screen readers have a specific way of announcing lists. Ensuring proper list structure aids screen reader output. <u>Learn more</u>.</td><td></td></tr><tr><td>0</td><td></td><td></td></tr><tr><td></td><td>List items () are contained within or parent elements</td><td>^</td></tr><tr><td></td><td>List items () are contained within or parent elements Screen readers require list items (`) to be contained within a parent ` or ` to be announced properly. <u>Learn more</u>.</td><td>^</td></tr><tr><td>0</td><td>Screen readers require list items (`') to be contained within a parent `` or `` to be announced properly. <u>Learn</u></td><td>^</td></tr><tr><td>0</td><td>Screen readers require list items (`') to be contained within a parent `` or `` to be announced properly. <u>Learn more</u>.</td><td></td></tr><tr><td>0</td><td>Screen readers require list items (`') to be contained within a parent `` or `` to be announced properly. 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</td><td></td></tr><tr><td></td><td>Screen readers require list items (`') to be contained within a parent `` or `` to be announced properly. 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.</td><td>^</td></tr><tr><td></td><td>Screen readers require list items (`') to be contained within a parent `' or `' to be announced properly. 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</td><td>^</td></tr><tr><td>0</td><td>Screen readers require list items (`') to be contained within a parent `` or `` to be announced properly. 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.</td><td>^</td></tr></tbody></table></script></dd></dt></dl></pre>	

O [role] values are valid

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 BCP 47 language on elements helps ensure that text is pronounced correctly by a screen reader. Learn more. <video> elements contain a <track> element with [kind="captions"] When a video provides a caption it is easier for deaf and hearing impaired users to access its information. Learn more.



Best Practices					
Tru	Trust and Safety				
0	Ensure CSP is effective against XSS attacks			^	
	A strong Content Security Policy (CSP) significantly red	uces the risk of cross-site script	ing (XSS) attacks. <u>Learn more</u>		
	Description	Directive	Severity		
	No CSP found in enforcement mode		High		
Ge	neral				
0	Detected JavaScript libraries			^	
	All front-end JavaScript libraries detected on the page. I	<u>Learn more</u> .			
	Name	Version			
	jQuery	3.6.0			
Pa	ssed audits (16)			^	
	where some resources are loaded over HTTP despite the intruders from tampering with or passively listening in or prerequisite for HTTP/2 and many new web platform AF Links to cross-origin destinations are safe	n the communications between	•	^	
	Add `rel="noopener"` or `rel="noreferrer"` to any externation of the large of the l	al links to improve performance	and prevent security vulnerabilities.		
	Avoids requesting the geolocation permission on page	oad		^	
	Users are mistrustful of or confused by sites that request action instead. <u>Learn more</u> .	st their location without context.	Consider tying the request to a user		
	Avoids requesting the notification permission on page lo	pad		^	
	Users are mistrustful of or confused by sites that requesuser gestures instead. <u>Learn more</u> .	st to send notifications without co	ontext. Consider tying the request to		
	Avoids front-end JavaScript libraries with known security	y vulnerabilities		^	
	Some third-party scripts may contain known security vul <u>Learn more</u> .	Inerabilities that are easily identi	fied and exploited by attackers.		
	Allows users to paste into password fields			^	
	Preventing password pasting undermines good security	policy. <u>Learn more</u> .			
	Displays images with correct aspect ratio			^	
	Image display dimensions should match natural aspect	ratio. <u>Learn more</u> .			
	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. 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 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. Learn more. 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



SEO

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.

Additional items to manually check (1) — Run these additional validators on your site to check additional SEO best practices.

O Structured data is valid
Run the Structured Data Testing Tool and the Structured Data Linter to validate structured data. Learn more.

Passed audits (9)

Has a <meta name="viewport"> tag with width or initial-scale
A `<meta name="viewport"> not only optimizes your app for mobile screen sizes, but also prevents a 300 millisecond delay to user input. Learn more. (TBT)

Document has a <title> element
The title gives screen reader users an overview of the page, and search engine users rely on it heavily to determine if a page is relevant to their search. Learn more.

Document has a meta description

Meta descriptions may be included in search results to concisely summarize page content. Learn more.

Page has successful HTTP status code

	Pages with unsuccessful HTTP status codes may not be indexed properly. <u>Learn more</u> .	
	Links have descriptive text	^
	Descriptive link text helps search engines understand your content. <u>Learn more</u> .	
	Links are crawlable	^
	Search engines may use `href` attributes on links to crawl websites. Ensure that the `href` attribute of anchor elements links to an appropriate destination, so more pages of the site can be discovered. Learn More	6
	Page isn't blocked from indexing	^
	Search engines are unable to include your pages in search results if they don't have permission to crawl them. <u>Learn more</u> .	
	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. <u>Learn more</u> .	
	Document avoids plugins	^
	Search engines can't index plugin content, and many devices restrict plugins or don't support them. <u>Learn more</u> .	
0	robots.txt is valid	^
0	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> .	
0	Image elements have [alt] attributes	^
	Informative elements should aim for short, descriptive alternate text. Decorative elements can be ignored with an empty alt attribute. <u>Learn more</u> .	
0	Document has a valid rel=canonical	^
	Canonical links suggest which URL to show in search results. <u>Learn more</u> .	
0	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.	1
0	Tap targets are sized appropriately	^
	Interactive elements like buttons and links should be large enough (48x48px), and have enough space around them, to be	



Progressive Web App

These checks validate the aspects of a Progressive Web App. <u>Learn more</u>.

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. <u>Learn more</u>.

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>.

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 more</u> .	
	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. <u>Learn more</u> .	
0	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	^
	A ` <meta name="viewport"/> ` not only optimizes your app for mobile screen sizes, but also prevents <u>a 300 millisecond delay</u> to user input. <u>Learn more</u> . (TBT)	
	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. <u>Learn more</u> .	
	ditional items to manually check (3) — These checks are required by the baseline <u>PWA Checklist</u> but are not omatically checked by Lighthouse. They do not affect your score but it's important that you verify them manually.	^
0	Site works cross-browser	^
	To reach the most number of users, sites should work across every major browser. <u>Learn more</u> .	
0	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> .	
0	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://eoinlarkin.github.io/magic-square-game/index.html
Fetch Time	Dec 10, 2021, 8:11 AM GMT
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 (X11; Linux x86_64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/96.0.4664.93 Safari/537.36
User agent (network)	Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/94.0.4590.2 Safari/537.36 Chrome-Lighthouse
CPU/Memory Power	1644
Axe version	4.2.3

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