http://localhost/acme/acme/source/index.php   ⋮

75	**56**	**86**	**82**	PWA
Performance	Accessibility	Best Practices	SEO	Progressive Web App

Print Summary
Print Expanded
Copy JSON
Save as HTML
Save as JSON
Open in Viewer
Toggle Dark Theme

▬ 0–49   ▬ 50–89   ▬ 90–100

75

Performance

Metrics   ≡ ≡

🟧 First Contentful Paint	**4.0 s**
First Contentful Paint marks the time at which the first text or image is painted. [Learn more]().	

🟧 First Meaningful Paint	**4.0 s**
First Meaningful Paint measures when the primary content of a page is visible. [Learn more]().	

🟧 Speed Index	**4.0 s**
Speed Index shows how quickly the contents of a page are visibly populated. [Learn more]().	

🟧 First CPU Idle	**4.2 s**
First CPU Idle marks the first time at which the page's main thread is quiet enough to handle input. [Learn more]().	

🟧 Time to Interactive	**4.3 s**
Time to interactive is the amount of time it takes for the page to become fully interactive. [Learn more]().	

🔺 Max Potential First Input Delay	**1,050 ms**
The maximum potential First Input Delay that your users could experience is the duration, in milliseconds, of the longest task. [Learn more]().	

[View Trace]

Values are estimated and may vary. The performance score is [based only on these metrics]().

Opportunities — These suggestions can help your page load faster. They don't [directly affect]() the Performance score.
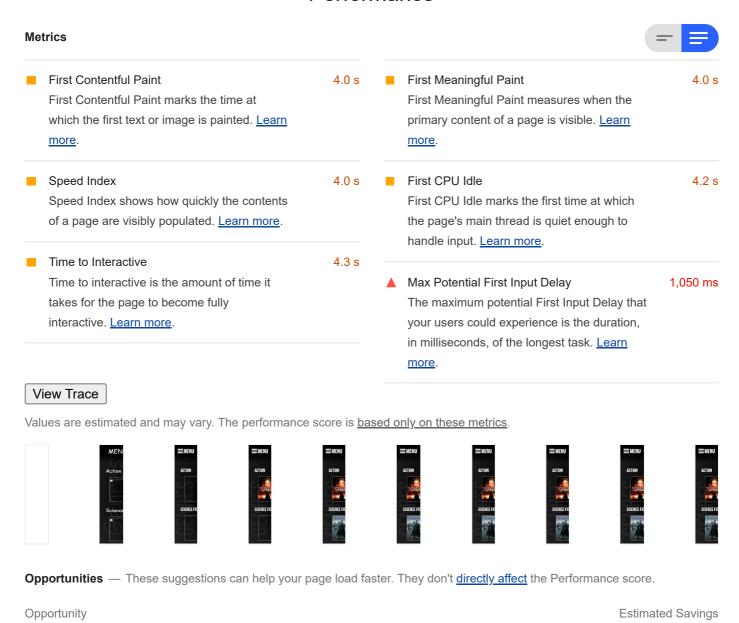
Opportunity	Estimated Savings
🔺 Properly size images	**78.7 s** ∧

Serve images that are appropriately-sized to save cellular data and improve load time. Learn more.

☐ Show 3rd-party resources (218)

URL	Size	Potential Savings
…images/download.png (localhost)	31 KB	13 KB

⚠ Eliminate render-blocking resources   ■ 1.67 s ⌃

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

☑ Show 3rd-party resources (4)

URL	Size	Potential Savings
…styles/styles.css (localhost)	3 KB	460 ms
…styles/header.css (localhost)	4 KB	460 ms
…styles/display_panel.css (localhost)	5 KB	610 ms
…styles/movie.css (localhost)	11 KB	910 ms
…styles/admin.css (localhost)	3 KB	460 ms
…styles/forms.css (localhost)	7 KB	610 ms
…styles/charts.css (localhost)	2 KB	460 ms
…styles/subscribe.css (localhost)	4 KB	460 ms
…styles/modify_movie.css (localhost)	5 KB	610 ms
…styles/star_rating.css (localhost)	1 KB	310 ms
/css?family=Bebas+Neue&display=swap (fonts.googleapis.com)	1 KB	940 ms
/css2?family=Cinzel+Decorative&display=swap (fonts.googleapis.com)	0 KB	170 ms
/af55a51058.js (use.fontawesome.com)	4 KB	1,360 ms
…css/font-awesome.min.css (cdnjs.cloudflare.com)	12 KB	1,060 ms
…js/nav.js (localhost)	2 KB	310 ms

■ Preconnect to required origins   ▮ 0.33 s ⌃

Consider adding `preconnect` or `dns-prefetch` resource hints to establish early connections to important third-party origins. Learn more.

URL	Potential Savings
https://image.tmdb.org	330 ms
https://api.themoviedb.org	310 ms

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

⚠ Avoid enormous network payloads — Total size was 21,542 KB ^

Large network payloads cost users real money and are highly correlated with long load times. [Learn more](#).

☑ ~~Show 3rd-party resources~~ (10)

URL	Size
…w600_and_…/bymJtYNld….jpg (image.tmdb.org)	199 KB
…w600_and_…/rYnMj8alQ….jpg (image.tmdb.org)	198 KB
…w600_and_…/cpRNkCV6C….jpg (image.tmdb.org)	188 KB
…w600_and_…/hBz7mQ9mE….jpg (image.tmdb.org)	170 KB
…w600_and_…/WOUimrKUO….jpg (image.tmdb.org)	163 KB
…w600_and_…/wJ62FzGeC….jpg (image.tmdb.org)	161 KB
…w600_and_…/y9CySYOtH….jpg (image.tmdb.org)	158 KB
…w600_and_…/4Wra6NlVl….jpg (image.tmdb.org)	150 KB
…w600_and_…/5y7my8CrE….jpg (image.tmdb.org)	147 KB
…w600_and_…/1ChluYH0B….jpg (image.tmdb.org)	145 KB

⚠ Ensure text remains visible during webfont load ^

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

☑ ~~Show 3rd-party resources~~ (1)

URL	Potential Savings
…fonts/fontawesome-webfont.woff2?v=4.7.0 (cdnjs.cloudflare.com)	60 ms

⚠ Serve static assets with an efficient cache policy — 161 resources found ^

A long cache lifetime can speed up repeat visits to your page. [Learn more](#).

☑ Show 3rd-party resources (148)

URL	Cache TTL	Size
…images/download.png (localhost)	None	32 KB
…styles/movie.css (localhost)	None	11 KB
…styles/forms.css (localhost)	None	7 KB
…js/fetchImage.js (localhost)	None	6 KB
…styles/modify_movie.css (localhost)	None	5 KB
…styles/display_panel.css (localhost)	None	5 KB
…styles/header.css (localhost)	None	4 KB
…styles/subscribe.css (localhost)	None	4 KB

URL	Cache TTL	Size
…styles/styles.css (localhost)	None	3 KB
…styles/admin.css (localhost)	None	3 KB
…styles/charts.css (localhost)	None	2 KB
…js/nav.js (localhost)	None	2 KB
…styles/star_rating.css (localhost)	None	1 KB
…w600_and_…/rYnMj8alQ….jpg (image.tmdb.org)	30 d	198 KB
…w600_and_…/cpRNkCV6C….jpg (image.tmdb.org)	30 d	188 KB
…w600_and_…/hBz7mQ9mE….jpg (image.tmdb.org)	30 d	170 KB
…w600_and_…/WOUimrKUO….jpg (image.tmdb.org)	30 d	163 KB
…w600_and_…/4Wra6NIVI….jpg (image.tmdb.org)	30 d	150 KB
…w600_and_…/nxuHAQfL9….jpg (image.tmdb.org)	30 d	143 KB
…w600_and_…/aOm1W8RNX….jpg (image.tmdb.org)	30 d	141 KB
…w600_and_…/jlfYHmDVm….jpg (image.tmdb.org)	30 d	135 KB
…w600_and_…/9i3plLl89….jpg (image.tmdb.org)	30 d	134 KB
…w600_and_…/7BuH8itoS….jpg (image.tmdb.org)	30 d	133 KB
…w600_and_…/8ucauhcGV….jpg (image.tmdb.org)	30 d	133 KB
…w600_and_…/x3BOzx2rU….jpg (image.tmdb.org)	30 d	132 KB
…w600_and_…/6jEjdOdF6….jpg (image.tmdb.org)	30 d	131 KB
…w600_and_…/jLBmgW0ep….jpg (image.tmdb.org)	30 d	131 KB
…w600_and_…/c2ZLeqZVl….jpg (image.tmdb.org)	30 d	131 KB
…w600_and_…/udSibhOkN….jpg (image.tmdb.org)	30 d	130 KB
…w600_and_…/yHA9Fc37V….jpg (image.tmdb.org)	30 d	125 KB
…w600_and_…/krK7cQms3….jpg (image.tmdb.org)	30 d	125 KB
…w600_and_…/6YUyZad6w….jpg (image.tmdb.org)	30 d	124 KB
…w600_and_…/dWXFRtx2K….jpg (image.tmdb.org)	30 d	121 KB
…w600_and_…/48AfKc79m….jpg (image.tmdb.org)	30 d	120 KB
…w600_and_…/k3a41SS1q….jpg (image.tmdb.org)	30 d	119 KB
…w600_and_…/91chST7bv….jpg (image.tmdb.org)	30 d	118 KB
…w600_and_…/AdfoyOT94….jpg (image.tmdb.org)	30 d	118 KB
…w600_and_…/KmuVZVqC7….jpg (image.tmdb.org)	30 d	118 KB
…w600_and_…/2yOKarmL8….jpg (image.tmdb.org)	30 d	117 KB
…w600_and_…/5aOyriWkP….jpg (image.tmdb.org)	30 d	116 KB
…w600_and_…/7oZ5xE4AL….jpg (image.tmdb.org)	30 d	116 KB

URL	Cache TTL	Size
…w600_and_…/qECmOrIvg….jpg (image.tmdb.org)	30 d	115 KB
…w600_and_…/6ZWFvwpnO….jpg (image.tmdb.org)	30 d	114 KB
…w600_and_…/da22ZBmrD….jpg (image.tmdb.org)	30 d	113 KB
…w600_and_…/axc56aPYxGWfoWYDYoOOcnOXJco.jpg (image.tmdb.org)	30 d	112 KB
…w600_and_…/ie14Sm0hR….jpg (image.tmdb.org)	30 d	112 KB
…w600_and_…/iDV5JA87C….jpg (image.tmdb.org)	30 d	112 KB
…w600_and_…/ftxwxtp15….jpg (image.tmdb.org)	30 d	112 KB
…w600_and_…/sUKImRHSc….jpg (image.tmdb.org)	30 d	111 KB
…w600_and_…/lVZ3r0iDw….jpg (image.tmdb.org)	30 d	109 KB
…w600_and_…/oWoFkl2Jk….jpg (image.tmdb.org)	30 d	109 KB
…w600_and_…/70EZNvqdH….jpg (image.tmdb.org)	30 d	108 KB
…w600_and_…/exNCUCrcl….jpg (image.tmdb.org)	30 d	107 KB
…w600_and_…/vSrxhQZPE….jpg (image.tmdb.org)	30 d	107 KB
…w600_and_…/92BZIFPby….jpg (image.tmdb.org)	30 d	107 KB
…w600_and_…/mzOgKYOXi….jpg (image.tmdb.org)	30 d	107 KB
…w600_and_…/IIyUiHted….jpg (image.tmdb.org)	30 d	107 KB
…w600_and_…/aM8CJijEf….jpg (image.tmdb.org)	30 d	105 KB
…w600_and_…/6wkfovpn7….jpg (image.tmdb.org)	30 d	105 KB
…w600_and_…/45MhU55Au….jpg (image.tmdb.org)	30 d	104 KB
…w600_and_…/bvN8iUpHy….jpg (image.tmdb.org)	30 d	104 KB
…w600_and_…/5Cv7JshrT….jpg (image.tmdb.org)	30 d	104 KB
…w600_and_…/7mBUd8Y6A….jpg (image.tmdb.org)	30 d	104 KB
…w600_and_…/aiYDbtZm0….jpg (image.tmdb.org)	30 d	102 KB
…w600_and_…/hY4fPLVKq….jpg (image.tmdb.org)	30 d	102 KB
…w600_and_…/m3mmFkPQK….jpg (image.tmdb.org)	30 d	101 KB
…w600_and_…/m5h3NtZ2Z….jpg (image.tmdb.org)	30 d	100 KB
…w600_and_…/i3g0KIoXY….jpg (image.tmdb.org)	30 d	100 KB
…w600_and_…/nnTW7F3C3….jpg (image.tmdb.org)	30 d	100 KB
…w600_and_…/rcgucx2Qa….jpg (image.tmdb.org)	30 d	100 KB
…w600_and_…/yEvumAoCB….jpg (image.tmdb.org)	30 d	100 KB
…w600_and_…/1NjAoGMpb….jpg (image.tmdb.org)	30 d	100 KB
…w600_and_…/oTGOSHS02….jpg (image.tmdb.org)	30 d	99 KB
…w600_and_…/1WT7az5rv….jpg (image.tmdb.org)	30 d	99 KB

URL	Cache TTL	Size
…w600_and_…/98zsG0FX7….jpg (image.tmdb.org)	30 d	99 KB
…w600_and_…/uMrOOrJCg….jpg (image.tmdb.org)	30 d	99 KB
…w600_and_…/jPNmQq23e….jpg (image.tmdb.org)	30 d	98 KB
…w600_and_…/sxBgEtydF….jpg (image.tmdb.org)	30 d	98 KB
…w600_and_…/nHcF7TfMw….jpg (image.tmdb.org)	30 d	98 KB
…w600_and_…/uclh2tRNL….jpg (image.tmdb.org)	30 d	97 KB
…w600_and_…/yJDJ2svbS….jpg (image.tmdb.org)	30 d	97 KB
…w600_and_…/5XwwIvFoa….jpg (image.tmdb.org)	30 d	96 KB
…w600_and_…/eWlr9yUDK….jpg (image.tmdb.org)	30 d	96 KB
…w600_and_…/AkJQpZp9W….jpg (image.tmdb.org)	30 d	95 KB
…w600_and_…/nloIjLT5E….jpg (image.tmdb.org)	30 d	95 KB
…w600_and_…/KTVpWIgwYgjHpmmURBJWVHaiqw.jpg (image.tmdb.org)	30 d	95 KB
…w600_and_…/jmvpwgW5M….jpg (image.tmdb.org)	30 d	95 KB
…w600_and_…/vUiyFA74a….jpg (image.tmdb.org)	30 d	94 KB
…w600_and_…/zrsOgLFiF….jpg (image.tmdb.org)	30 d	93 KB
…w600_and_…/nR51PlZIA….jpg (image.tmdb.org)	30 d	91 KB
…w600_and_…/1RFIbuW9Z….jpg (image.tmdb.org)	30 d	91 KB
…w600_and_…/40gZ2Whqp….jpg (image.tmdb.org)	30 d	91 KB
…w600_and_…/mpI1qaQJXmqfuUgrmxczvWLcHqu.jpg (image.tmdb.org)	30 d	90 KB
…w600_and_…/3KEPs6RKI….jpg (image.tmdb.org)	30 d	90 KB
…w600_and_…/kDc89zkOT….jpg (image.tmdb.org)	30 d	90 KB
…w600_and_…/eSB3i3vvF….jpg (image.tmdb.org)	30 d	90 KB
…w600_and_…/jGU5GucRa….jpg (image.tmdb.org)	30 d	90 KB
…w600_and_…/xT98tLqat….jpg (image.tmdb.org)	30 d	89 KB
…w600_and_…/uttDBa6mv….jpg (image.tmdb.org)	30 d	89 KB
…w600_and_…/8kX6xmEwz….jpg (image.tmdb.org)	30 d	88 KB
…w600_and_…/uYbkko9u3….jpg (image.tmdb.org)	30 d	88 KB
…w600_and_…/bTUxIs3Qo….jpg (image.tmdb.org)	30 d	87 KB
…w600_and_…/imHIqEfWR….jpg (image.tmdb.org)	30 d	87 KB
…w600_and_…/5wGLpDGYV….jpg (image.tmdb.org)	30 d	86 KB
…w600_and_…/eFfkF9uVqOhAxIKEyNCHfRRdGgj.jpg (image.tmdb.org)	30 d	85 KB
…w600_and_…/a4cDLjkWs….jpg (image.tmdb.org)	30 d	84 KB
…w600_and_…/8RW2runSE….jpg (image.tmdb.org)	30 d	83 KB

URL	Cache TTL	Size
…w600_and_…/riP8FcKh8….jpg (image.tmdb.org)	30 d	83 KB
…w600_and_…/2ySXWBckQ….jpg (image.tmdb.org)	30 d	83 KB
…w600_and_…/5mgSYxFnI….jpg (image.tmdb.org)	30 d	81 KB
…w600_and_…/b9pFRQM6h….jpg (image.tmdb.org)	30 d	80 KB
…w600_and_…/g7sRWYHag….jpg (image.tmdb.org)	30 d	79 KB
…w600_and_…/nJQ8sojSr….jpg (image.tmdb.org)	30 d	79 KB
…w600_and_…/fEwvelvZL….jpg (image.tmdb.org)	30 d	79 KB
…w600_and_…/bkKtABrkf….jpg (image.tmdb.org)	30 d	78 KB
…w600_and_…/ff4qjI0wy….jpg (image.tmdb.org)	30 d	78 KB
…w600_and_…/3NJxMEgL2….jpg (image.tmdb.org)	30 d	77 KB
…w600_and_…/KbvgGomF0….jpg (image.tmdb.org)	30 d	77 KB
…w600_and_…/bCj4Efueh….jpg (image.tmdb.org)	30 d	76 KB
…w600_and_…/mPyu59cDd….jpg (image.tmdb.org)	30 d	75 KB
…w600_and_…/lsu99G9rq….jpg (image.tmdb.org)	30 d	75 KB
…w600_and_…/A3TafOveM….jpg (image.tmdb.org)	30 d	74 KB
…w600_and_…/x9sHu20my….jpg (image.tmdb.org)	30 d	74 KB
…w600_and_…/dC0UbDkYO….jpg (image.tmdb.org)	30 d	73 KB
…w600_and_…/2TrAzNJlH….jpg (image.tmdb.org)	30 d	72 KB
…w600_and_…/meLHG7ZMa….jpg (image.tmdb.org)	30 d	71 KB
…w600_and_…/mEWKXuCMv….jpg (image.tmdb.org)	30 d	67 KB
…w600_and_…/ihC083U7e….jpg (image.tmdb.org)	30 d	67 KB
…w600_and_…/bGtvMNgVa….jpg (image.tmdb.org)	30 d	66 KB
…w600_and_…/hZrwqVXLy….jpg (image.tmdb.org)	30 d	66 KB
…w600_and_…/3kTPSWzNV….jpg (image.tmdb.org)	30 d	66 KB
…w600_and_…/r84Qve8mV….jpg (image.tmdb.org)	30 d	65 KB
…w600_and_…/fTBBkeJ9y….jpg (image.tmdb.org)	30 d	65 KB
…w600_and_…/mjz6XWhcY….jpg (image.tmdb.org)	30 d	64 KB
…w600_and_…/6k2BXIwfK….jpg (image.tmdb.org)	30 d	64 KB
…w600_and_…/op1DLm9bb….jpg (image.tmdb.org)	30 d	64 KB
…w600_and_…/xnnjoMONN….jpg (image.tmdb.org)	30 d	64 KB
…w600_and_…/uycbt9iVl….jpg (image.tmdb.org)	30 d	64 KB
…w600_and_…/3eol8Fnnd….jpg (image.tmdb.org)	30 d	64 KB
…w600_and_…/xywR4UtFJFANoEbcbmOiZckkNPa.jpg (image.tmdb.org)	30 d	57 KB

URL	Cache TTL	Size
…w600_and_…/nek7oeAUR….jpg (image.tmdb.org)	30 d	56 KB
…w600_and_…/v7TaX8kXM….jpg (image.tmdb.org)	30 d	56 KB
…w600_and_…/xe9qHPnkY….jpg (image.tmdb.org)	30 d	55 KB
…w600_and_…/ro1oAzuw7….jpg (image.tmdb.org)	30 d	54 KB
…w600_and_…/gEaCzjwHo….jpg (image.tmdb.org)	30 d	53 KB
…w600_and_…/igKxOqpwf….jpg (image.tmdb.org)	30 d	53 KB
…w600_and_…/s5e1HCBv8….jpg (image.tmdb.org)	30 d	51 KB
…w600_and_…/v9fOCFolN….jpg (image.tmdb.org)	30 d	50 KB
…w600_and_…/wsTf4yk3t….jpg (image.tmdb.org)	30 d	48 KB
…w600_and_…/4cBhKj5wV….jpg (image.tmdb.org)	30 d	44 KB
…w600_and_…/v4jPy20pd….jpg (image.tmdb.org)	30 d	41 KB
…w600_and_…/3MpMbZTrX….jpg (image.tmdb.org)	30 d	38 KB
…w600_and_…/AdBOkKdme….jpg (image.tmdb.org)	30 d	37 KB
…w600_and_…/4icSXTvvQ….jpg (image.tmdb.org)	30 d	36 KB
…w600_and_…/1xDJCY08t….jpg (image.tmdb.org)	30 d	36 KB
…w600_and_…/rfItXrtDG….jpg (image.tmdb.org)	30 d	35 KB
…w600_and_…/7mGFmij1F….jpg (image.tmdb.org)	30 d	33 KB
…w600_and_…/cJtOHLb96….jpg (image.tmdb.org)	30 d	32 KB
…w600_and_…/r3RgcON4w….jpg (image.tmdb.org)	30 d	32 KB
…w600_and_…/clolk7rB5….jpg (image.tmdb.org)	30 d	31 KB
…w600_and_…/fbfyGtqas….jpg (image.tmdb.org)	30 d	20 KB

▲ Minimize main-thread work   — 7.7 s   ⌄

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

Category	Time Spent
Other	3,600 ms
Script Evaluation	2,182 ms
Rendering	947 ms
Style & Layout	769 ms
Garbage Collection	110 ms
Parse HTML & CSS	70 ms
Script Parsing & Compilation	24 ms

■ Reduce JavaScript execution time — 2.2 s ^

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

☑ Show 3rd-party resources (1)

URL	Total CPU Time	Script Evaluation	Script Parse
Other	5,882 ms	386 ms	2 ms
…js/fetchImage.js (localhost)	1,031 ms	1,030 ms	1 ms
/jquery-3.4.1.min.js (code.jquery.com)	703 ms	698 ms	4 ms
chrome-extension://efaidnbmnnnibpcajpcglclefindmkaj/data/js/libs/jquery-3.1.1.min.js	66 ms	54 ms	11 ms

■ Avoid an excessive DOM size — 896 elements ^

A large DOM will increase memory usage, cause longer style calculations, and produce costly layout reflows. Learn more.
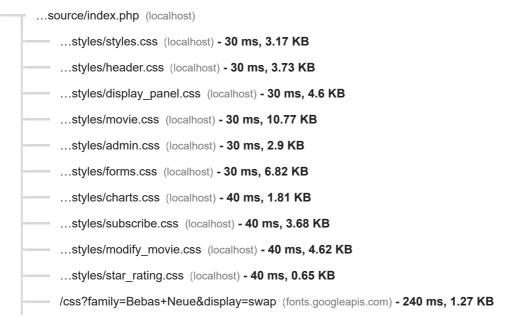
Statistic	Element	Value
Total DOM Elements		896
Maximum DOM Depth	`<img class="movie-poster" src="https://image.tmdb.org/t/p/w600_and_h900_bestv2/2ySXWBckQboalTZjhaLWRqc3gCN.jpg" width="100px">`	8
Maximum Child Elements	`<div id="discovery-wrapper">`	31

● Avoid chaining critical requests — 22 chains found ^

The Critical Request Chains below show you what resources are loaded with a high priority. Consider reducing the length of chains, reducing the download size of resources, or deferring the download of unnecessary resources to improve page load. Learn more.

Maximum critical path latency: **1,270 ms**

Initial Navigation

…source/index.php (localhost)

…styles/styles.css (localhost) **- 30 ms, 3.17 KB**

…styles/header.css (localhost) **- 30 ms, 3.73 KB**

…styles/display_panel.css (localhost) **- 30 ms, 4.6 KB**

…styles/movie.css (localhost) **- 30 ms, 10.77 KB**

…styles/admin.css (localhost) **- 30 ms, 2.9 KB**

…styles/forms.css (localhost) **- 30 ms, 6.82 KB**

…styles/charts.css (localhost) **- 40 ms, 1.81 KB**

…styles/subscribe.css (localhost) **- 40 ms, 3.68 KB**

…styles/modify_movie.css (localhost) **- 40 ms, 4.62 KB**

…styles/star_rating.css (localhost) **- 40 ms, 0.65 KB**

/css?family=Bebas+Neue&display=swap (fonts.googleapis.com) **- 240 ms, 1.27 KB**

/css2?family=Cinzel+Decorative&display=swap (fonts.googleapis.com) **- 240 ms, 0.42 KB**

/css2?family=Poppins&display=swap (fonts.googleapis.com) **- 240 ms, 0.95 KB**

/af55a51058.js (use.fontawesome.com)

/af55a51058.css (use.fontawesome.com) **- 230 ms, 0.67 KB**

…css/font-awesome.min.css (cdnjs.cloudflare.com) **- 40 ms, 12.5 KB**

…js/nav.js (localhost) **- 40 ms, 1.6 KB**

/jquery-3.4.1.min.js (code.jquery.com) **- 220 ms, 30.41 KB**

…js/fetchImage.js (localhost) **- 0 ms, 6.33 KB**

…fonts/fontawesome-webfont.woff2?v=4.7.0 (cdnjs.cloudflare.com) **- 60 ms, 83.84 KB**

…v1/JTUSjIg69….woff2 (fonts.gstatic.com) **- 60 ms, 8.12 KB**

…v8/daaCSScvJ….woff2 (fonts.gstatic.com) **- 130 ms, 14.8 KB**

…css/font-awesome-css.min.css (use.fontawesome.com) **- 240 ms, 7.83 KB**

● Keep request counts low and transfer sizes small — 500 requests • 21,542 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	500	21,542 KB
Image	219	20,744 KB
Other	256	513 KB
Font	3	107 KB
Document	2	70 KB
Stylesheet	16	66 KB
Script	4	42 KB
Media	0	0 KB
Third-party	486	21,390 KB

Passed audits (13) ⌃

● Defer offscreen images — Potential savings of 31 KB ⌃

Consider lazy-loading offscreen and hidden images after all critical resources have finished loading to lower time to interactive. Learn more.

☐ ~~Show 3rd-party resources~~ (0)

URL	Size	Potential Savings
NO IMAGE AVAILABLE …images/download.png (localhost)	31 KB	31 KB

● Minify CSS — Potential savings of 9 KB ⌃

Minifying CSS files can reduce network payload sizes. Learn more.

☐ ~~Show 3rd-party resources~~ (0)

URL	Size	Potential Savings
…styles/movie.css (localhost)	11 KB	4 KB
…styles/forms.css (localhost)	7 KB	3 KB
…styles/display_panel.css (localhost)	5 KB	2 KB

● Minify JavaScript ⌃

Minifying JavaScript files can reduce payload sizes and script parse time. Learn more.

● Remove unused CSS — Potential savings of 12 KB ⌃

Remove dead rules from stylesheets and defer the loading of CSS not used for above-the-fold content to reduce unnecessary bytes consumed by network activity. Learn more.

☑ ~~Show 3rd-party resources~~ (1)

URL	Size	Potential Savings
…css/font-awesome.min.css (cdnjs.cloudflare.com)	12 KB	12 KB

● Efficiently encode images ⌃

Optimized images load faster and consume less cellular data. Learn more.

● Serve images in next-gen formats ⌃

Image formats like JPEG 2000, JPEG XR, and WebP often provide better compression than PNG or JPEG, which means faster downloads and less data consumption. Learn more.

● Enable text compression ⌃

Text-based resources should be served with compression (gzip, deflate or brotli) to minimize total network bytes. Learn more.

● Server response times are low (TTFB) — Root document took 20 ms ⌃

Time To First Byte identifies the time at which your server sends a response. Learn more.

● 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 later in page load. Learn more.

● Use video formats for animated content ⌃

Large GIFs are inefficient for delivering animated content. Consider using MPEG4/WebM videos for animations and PNG/WebP for static images instead of GIF to save network bytes. Learn more

● User Timing marks and measures ⌃

Consider instrumenting your app with the User Timing API to measure your app's real-world performance during key user experiences. Learn more.

● 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. Learn more.

Third-Party	Size	Main-Thread Blocking Time
Cloudflare CDN	96 KB	0 ms
jQuery CDN	30 KB	0 ms
FontAwesome CDN	13 KB	0 ms

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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.

Navigation — These are opportunities to improve keyboard navigation in your application.

⚠ The page does not contain a heading, skip link, or landmark region ⌃

Adding ways to bypass repetitive content lets keyboard users navigate the page more efficiently. Learn more.

Failing Elements

html.fa-events-icons-ready

Best practices — These items highlight common accessibility best practices.

⚠ `[id]` attributes on the page are not unique ⌃

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

Failing Elements

Names and labels — These are opportunities to improve the semantics of the controls in your application. This may enhance the experience for users of assistive technology, like a screen reader.

⚠ Image elements do not have `[alt]` attributes ⌃

Informative elements should aim for short, descriptive alternate text. Decorative elements can be ignored with an empty alt attribute. Learn more.

Failing Elements

Failing Elements

Failing Elements

Failing Elements

Failing Elements

Failing Elements

⚠ Links do not 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.

Failing Elements

Failing Elements

Failing Elements

Failing Elements

Failing Elements

Failing Elements

Additional items to manually check (11) — These items address areas which an automated testing tool cannot cover. Learn more in our guide on [conducting an accessibility review](#).

⬤ 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](#).

⬤ User focus is not accidentally trapped in a region

A user can tab into and out of any control or region without accidentally trapping their focus. [Learn more](#).

⬤ Custom controls have associated labels

Custom interactive controls have associated labels, provided by aria-label or aria-labelledby. [Learn more](#).

⬤ Custom controls have ARIA roles

Custom interactive controls have appropriate ARIA roles. [Learn more](#).

⬤ Visual order on the page follows DOM order

DOM order matches the visual order, improving navigation for assistive technology. [Learn more](#).

⬤ Offscreen content is hidden from assistive technology

Offscreen content is hidden with display: none or aria-hidden=true. Learn more.

○ Headings don't skip levels ⌃

Headings are used to create an outline for the page and heading levels are not skipped. Learn more.

○ HTML5 landmark elements are used to improve navigation ⌃

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

Passed audits (5) ⌃

● 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.

● `<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.

● `[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 (26) ⌃

○ `[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.

○ `[aria-*]` attributes match their roles ⌃

Each ARIA `role` supports a specific subset of `aria-*` attributes. Mismatching these invalidates the `aria-*` attributes. Learn more.

○ `[role]`s have all required `[aria-*]` attributes ⌃

Some ARIA roles have required attributes that describe the state of the element to screen readers. Learn more.

○ Elements with an ARIA `[role]` that require children to contain a specific `[role]` have all required children. ⌃

Some ARIA parent roles must contain specific child roles to perform their intended accessibility functions. Learn more.

○ `[role]`s are contained by their required parent element ⌃

Some ARIA child roles must be contained by specific parent roles to properly perform their intended accessibility functions. [Learn more](#).

○ `[role]` values are valid ⌃

ARIA roles must have valid values in order to perform their intended accessibility functions. [Learn more](#).

○ `[aria-*]` 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](#).

○ `<audio>` elements contain a `<track>` element with `[kind="captions"]` ⌃

Captions make audio elements usable for deaf or hearing-impaired users, providing critical information such as who is talking, what they're saying, and other non-speech information. [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](#).

○ `<dl>`'s contain only properly-ordered `<dt>` and `<dd>` groups, `<script>` or `<template>` 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](#).

○ `<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](#).

○ Form elements have associated labels ⌃

Labels ensure that form controls are announced properly by assistive technologies, like screen readers. [Learn more](#).

○ Presentational `<table>` elements avoid using `<th>`, `<caption>` or the `[summary]` attribute. ⌃

A table being used for layout purposes should not include data elements, such as the th or caption elements or the summary attribute, because this can create a confusing experience for screen reader users. [Learn more](#).

○ Lists contain only `<li>` 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 (`<li>`) are contained within `<ul>` or `<ol>` parent elements ⌃

Screen readers require list items (`<li>`) to be contained within a parent `<ul>` or `<ol>` 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.

○ 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 `<table>` element that use the `[headers]` attribute refer to table cells within the same table.   ⌃

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

○ `<th>` 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. Learn more.

○ `[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.

○ `<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. Learn more.

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Best Practices

▲ Does not use HTTP/2 for all of its resources — 14 requests not served via HTTP/2   ⌃

HTTP/2 offers many benefits over HTTP/1.1, including binary headers, multiplexing, and server push. Learn more.

☐ Show 3rd-party resources (0)

URL	Protocol
…source/index.php (localhost)	http/1.1
…styles/styles.css (localhost)	http/1.1

URL	Protocol
…styles/header.css (localhost)	http/1.1
…styles/display_panel.css (localhost)	http/1.1
…styles/movie.css (localhost)	http/1.1
…styles/admin.css (localhost)	http/1.1
…styles/forms.css (localhost)	http/1.1
…styles/charts.css (localhost)	http/1.1
…styles/subscribe.css (localhost)	http/1.1
…styles/modify_movie.css (localhost)	http/1.1
…styles/star_rating.css (localhost)	http/1.1
…js/nav.js (localhost)	http/1.1
…js/fetchImage.js (localhost)	http/1.1
…images/download.png (localhost)	http/1.1

⚠ Displays images with incorrect aspect ratio ⌃

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

☐ Show 3rd-party resources (227)

URL	Aspect Ratio (Displayed)	Aspect Ratio (Actual)
…images/download.png (localhost)	120 x 163 (0.74)	480 x 480 (1.00)
…images/download.png (localhost)	120 x 163 (0.74)	480 x 480 (1.00)
…images/download.png (localhost)	120 x 163 (0.74)	480 x 480 (1.00)
…images/download.png (localhost)	120 x 163 (0.74)	480 x 480 (1.00)
…images/download.png (localhost)	120 x 163 (0.74)	480 x 480 (1.00)
…images/download.png (localhost)	120 x 163 (0.74)	480 x 480 (1.00)
…images/download.png (localhost)	120 x 163 (0.74)	480 x 480 (1.00)
…images/download.png (localhost)	120 x 163 (0.74)	480 x 480 (1.00)
…images/download.png (localhost)	120 x 163 (0.74)	480 x 480 (1.00)
…images/download.png (localhost)	120 x 163 (0.74)	480 x 480 (1.00)

URL	Aspect Ratio (Displayed)	Aspect Ratio (Actual)
…images/download.png (localhost)	120 x 163 (0.74)	480 x 480 (1.00)
…images/download.png (localhost)	120 x 163 (0.74)	480 x 480 (1.00)
…images/download.png (localhost)	120 x 163 (0.74)	480 x 480 (1.00)
…images/download.png (localhost)	120 x 163 (0.74)	480 x 480 (1.00)
…images/download.png (localhost)	120 x 163 (0.74)	480 x 480 (1.00)
…images/download.png (localhost)	120 x 163 (0.74)	480 x 480 (1.00)
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…images/download.png (localhost)	120 x 163 (0.74)	480 x 480 (1.00)
…images/download.png (localhost)	120 x 163 (0.74)	480 x 480 (1.00)
…images/download.png (localhost)	120 x 163 (0.74)	480 x 480 (1.00)
…images/download.png (localhost)	120 x 163 (0.74)	480 x 480 (1.00)
…images/download.png (localhost)	120 x 163 (0.74)	480 x 480 (1.00)
…images/download.png (localhost)	120 x 163 (0.74)	480 x 480 (1.00)
…images/download.png (localhost)	120 x 163 (0.74)	480 x 480 (1.00)
…images/download.png (localhost)	120 x 163 (0.74)	480 x 480 (1.00)
…images/download.png (localhost)	120 x 163 (0.74)	480 x 480 (1.00)
…images/download.png (localhost)	120 x 163 (0.74)	480 x 480 (1.00)

Passed audits (13)   ⌃

● Avoids Application Cache   ⌃

Application Cache is deprecated. Learn more.

● Uses HTTPS ⌃

All sites should be protected with HTTPS, even ones that don't handle sensitive data. 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.

● 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.

● 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.

● Page has the HTML doctype ⌃

Specifying a doctype prevents the browser from switching to quirks-mode. 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.

● Detected JavaScript libraries ⌃

All front-end JavaScript libraries detected on the page. Learn more.

Name	Version
jQuery	3.4.1
jQuery (Fast path)	

● 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 deprecated APIs ⌃

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

● Allows users to paste into password fields ⌃

Preventing password pasting undermines good security policy. 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

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SEO

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. Learn more.

Content Best Practices — Format your HTML in a way that enables crawlers to better understand your app's content.

🔺 Document does not have a meta description   ⌃

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

🔺 Image elements do not have [alt] attributes   ⌃

Informative elements should aim for short, descriptive alternate text. Decorative elements can be ignored with an empty alt attribute. Learn more.

Failing Elements

Failing Elements

Failing Elements

Failing Elements

Failing Elements

Failing Elements

Failing Elements

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 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` ⌃

Add a `<meta name="viewport">` tag to optimize your app for mobile screens. 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.

● Page has successful HTTP status code ⌃

Pages with unsuccessful HTTP status codes may not be indexed properly. Learn more.

● Links have descriptive text ⌃

Descriptive link text helps search engines understand your content. Learn more.

● Page isn't blocked from indexing ⌃

Search engines are unable to include your pages in search results if they don't have permission to crawl them. Learn more.

● Document has a valid `hreflang` ⌃

hreflang links tell search engines what version of a page they should list in search results for a given language or region. Learn more.

● Document uses legible font sizes — 100% legible text ⌃

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

☑ ~~Show 3rd-party resources~~ (0)

Source	Selector	% of Page Text	Font Size
`Legible text`		100.00%	≥ 12px

● Document avoids plugins ⌃

Search engines can't index plugin content, and many devices restrict plugins or don't support them. Learn more.

● Tap targets are sized appropriately — 100% appropriately sized tap targets ⌃

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. Learn more.

Not applicable (2) ⌃

○ robots.txt is valid ⌃

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

○ Document has a valid `rel=canonical` ⌃

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

PWA
—

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. 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.

⚠ 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. Learn more.

⭐ **PWA Optimized**

⚠ 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. Learn 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. Learn more.

6/12/2020

⚠ 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. Learn More.

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

● 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. Learn more.

● Each page has a URL   ⌃

Ensure individual pages are deep linkable via URL and that URLs are unique for the purpose of shareability on social media. Learn more.

Runtime Settings

URL	http://localhost/acme/acme/source/index.php
Fetch time	Jun 12, 2020, 7:18 AM GMT+8
Device	Emulated Nexus 5X
Network throttling	150 ms TCP RTT, 1,638.4 Kbps throughput (Simulated)
CPU throttling	4x slowdown (Simulated)
User agent (host)	Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/83.0.4103.97 Safari/537.36
User agent (network)	Mozilla/5.0 (Linux; Android 6.0.1; Nexus 5 Build/MRA58N) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/74.0.3694.0 Mobile Safari/537.36 Chrome-Lighthouse
CPU/Memory Power	828

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