



## Performance



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



Show audits relevant to: All FCP LCP TBT CLS

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

Opportunity Estimated Savings

Eliminate render-blocking resources

0.27 s ^

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

✓ Show 3rd-party resources (1)

...css/materialize.min.css (cdnjs.cloudflare.com)

**URL** 

Transfer Potential Size Savings

17.4 KiB 260 ms

URL Transfer Potential Size Savings

...css/style.css (8080-tomato-silkworm-fccgtinw.ws-eu18.gitpod.io) 17.0 KiB 80 ms

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

Does not use 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.

Show 3rd-party resources (3)

Source

materialize.min.js:6

materialize.min.js:6

materialize.min.js:6

Avoid chaining critical requests — 10 chains found

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

Maximum critical path latency: 2,020 ms

Initial Navigation

/add\_finished (8080-tomato-silkworm-fccgtinw.ws-eu18.gitpod.io)

- ...css/materialize.min.css (cdnjs.cloudflare.com) 50 ms, 17.41 KiB
- ...css/style.css (8080-tomato-silkworm-fccgtinw.ws-eu18.gitpod.io)

 $\label{local_complex} \mbox{/css2?family=}...~\mbox{(fonts.googleapis.com)}$ 

- ...v26/memvYaGs1....woff2 (fonts.gstatic.com) 30 ms, 38.66 KiB
- ...v26/memtYaGs1....woff2 (fonts.gstatic.com) 40 ms, 41.72 KiB

/css2?family=Press+Start+2P&display=swap (fonts.googleapis.com)

- ...v9/e3t4euO8T....woff2 (fonts.gstatic.com) 20 ms, 4.59 KiB
- ...webfonts/free-fa-brands-400.woff2 (ka-f.fontawesome.com) 340 ms, 75.75 KiB
- ...webfonts/free-fa-solid-900.woff2 (ka-f.fontawesome.com) 310 ms, 77.21 KiB

/0030311fd7.js (kit.fontawesome.com) - 80 ms, 3.96 KiB

/jquery-3.6.0.min.js (code.jquery.com) - 70 ms, 30.40 KiB

- ...js/materialize.min.js (cdnjs.cloudflare.com) 50 ms, 36.33 KiB
- ...js/script.js (8080-tomato-silkworm-fccgtinw.ws-eu18.gitpod.io) 90 ms, 1.06 KiB

Keep request counts low and transfer sizes small — 20 requests • 417 KiB

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

Resource Type Requests Transfer Size

Resource Type	Requests	Transfer Size
Total	20	416.5 KiB
Font	5	237.9 KiB
Script	4	71.8 KiB
Stylesheet	4	36.1 KiB
Other	4	34.5 KiB
Image	2	31.6 KiB
Document	1	4.7 KiB
Media	0	0.0 KiB
Third-party	16	378.1 KiB

Largest Contentful Paint element — 1 element found

This is the largest contentful element painted within the viewport. <u>Learn More (LCP)</u>

#### Element



Avoid large layout shifts — 3 elements found

These DOM elements contribute most to the CLS of the page.  $\boxed{\text{CLS}}$ 

Element CLS Contribution

h1.t

0

h1.center-align

p

0

Lists the longest tasks on the main thread, useful for identifying worst contributors to input delay. Learn more (TBT)

	_	
	Show 3rd-party re	esources (3)
URL	Start Time	Duration
/add_finished (8080-tomato-silkworm-fccgtinw.ws-eu18.gitpod.io)	241 ms	391 ms
/0030311fd7.js (kit.fontawesome.com)	1,005 ms	217 ms
/0030311fd7.js (kit.fontawesome.com)	910 ms	95 ms
/jquery-3.6.0.min.js (code.jquery.com)	1,222 ms	55 ms
sed audits (30)		^
Properly size images — Potential savings of 31 KiB		^
Serve images that are appropriately-sized to save cellular data and improve load	time. <u>Learn more</u> .	
	Show 3rd party re	esources (2)
URL	Resource Size	Potentia Savings
v163/pacman1_nr5pis.png (res.cloudinary.com)	15.7 KiB	15.6 KiB
v163/pacman_vwldtv.png (res.cloudinary.com)	15.7 KiB	15.6 KiB
Defer offscreen images		^
Consider lazy-loading offscreen and hidden images after all critical resources ha interactive. <u>Learn more</u> .	ve finished loading to lower time	to
Minify CSS — Potential savings of 5 KiB		^
Minifying CSS files can reduce network payload sizes. <u>Learn more</u> . FCP <u>LCP</u>		
	Show 3rd-party re	esources (0)
URL	Transfer Size	Potentia Savings
css/style.css (8080-tomato-silkworm-fccgtinw.ws-eu18.gitpod.io)	17.0 KiB	5.5 KiB
Minify JavaScript		^
Minifying JavaScript files can reduce payload sizes and script parse time. Learn	more. FCP LCP	
Reduce unused CSS — Potential savings of 42 KiB		^
Reduce unused rules from stylesheets and defer CSS not used for above-the-fol network activity. <u>Learn more</u> . <u>FCP</u> <u>LCP</u>	d content to decrease bytes cons	sumed by
	✓ Show 3rd-party re	esources (1)
URL	Transfer Size	Potentia Savings

Savings

Size

URL	Transfer Size	Potentia Savings
css/materialize.min.css (cdnjs.cloudflare.com)	17.4 KiB	16.3 KiB
css/style.css (8080-tomato-silkworm-fccgtinw.ws-eu18.gitpod.io)	17.0 KiB	13.9 KiB
<pre>/*! * Font Awesome Free 5.15.4 by @fontawesome - https://fontawesome.com * License - https://fonta</pre>	12.0 KiB	11.9 KiB
Reduce unused JavaScript — Potential savings of 51 KiB		^
Reduce unused JavaScript and defer loading scripts until they are required to decrease bytes <u>Learn more</u> . <u>LCP</u>	consumed by netw	ork activity.
	Show 3rd-party re	esources (2)
URL	Transfer Size	Potentia Saving
js/materialize.min.js (cdnjs.cloudflare.com)	36.3 KiB	29.1 KiB
/jquery-3.6.0.min.js (code.jquery.com)	30.4 KiB	21.7 KiB
Efficiently encode images		^
Optimized images load faster and consume less cellular data. <u>Learn more</u> .		
Optimized images load faster and consume less cellular data. <u>Learn more</u> .  Serve images in next-gen formats		^
	ch means faster dov	
Serve images in next-gen formats  Image formats like WebP and AVIF often provide better compression than PNG or JPEG, which	ch means faster dov	vnloads
Serve images in next-gen formats  Image formats like WebP and AVIF often provide better compression than PNG or JPEG, which and less data consumption. <u>Learn more</u> .		wnloads
Serve images in next-gen formats  Image formats like WebP and AVIF often provide better compression than PNG or JPEG, which and less data consumption. Learn more.  Enable text compression — Potential savings of 16 KiB  Text-based resources should be served with compression (gzip, deflate or brotli) to minimize to		vnloads ^ <u>Learn</u>
Serve images in next-gen formats  Image formats like WebP and AVIF often provide better compression than PNG or JPEG, which and less data consumption. Learn more.  Enable text compression — Potential savings of 16 KiB  Text-based resources should be served with compression (gzip, deflate or brotli) to minimize to	otal network bytes.	vnloads ^ <u>Learn</u>
Serve images in next-gen formats  Image formats like WebP and AVIF often provide better compression than PNG or JPEG, which and less data consumption. Learn more.  Enable text compression — Potential savings of 16 KiB  Text-based resources should be served with compression (gzip, deflate or brotli) to minimize the more. FCP LCP	otal network bytes.  Show 3rd party re	vnloads  Learn  esources (0)  Potentia
Serve images in next-gen formats  Image formats like WebP and AVIF often provide better compression than PNG or JPEG, which and less data consumption. Learn more.  Enable text compression — Potential savings of 16 KiB  Text-based resources should be served with compression (gzip, deflate or brotli) to minimize the more. FCP LCP  URL	otal network bytes.  Show 3rd party re  Transfer  Size	vnloads  Learn  escurees (0)  Potentia Savings
Serve images in next-gen formats  Image formats like WebP and AVIF often provide better compression than PNG or JPEG, which and less data consumption. Learn more.  Enable text compression — Potential savings of 16 KiB  Text-based resources should be served with compression (gzip, deflate or brotli) to minimize the more. FCP LCP  URL css/style.css (8080-tomato-silkworm-fccgtinw.ws-eu18.gitpod.io)	Show 3rd party ro Transfer Size 16.9 KiB	vnloads  Learn  Potentia Savings  13.6 KiB  2.9 KiB
Serve images in next-gen formats  Image formats like WebP and AVIF often provide better compression than PNG or JPEG, which and less data consumption. Learn more.  Enable text compression — Potential savings of 16 KiB  Text-based resources should be served with compression (gzip, deflate or brotli) to minimize the more. FCP LCP  URL css/style.css (8080-tomato-silkworm-fccgtinw.ws-eu18.gitpod.io)  /add_finished (8080-tomato-silkworm-fccgtinw.ws-eu18.gitpod.io)	Show 3rd party re Transfer Size 16.9 KiB 4.6 KiB	vnloads  Learn  Potentia Savings  13.6 KiB  2.9 KiB
Serve images in next-gen formats  Image formats like WebP and AVIF often provide better compression than PNG or JPEG, which and less data consumption. Learn more.  Enable text compression — Potential savings of 16 KiB  Text-based resources should be served with compression (gzip, deflate or brotli) to minimize the more. FCP LCP  URL css/style.css (8080-tomato-silkworm-fccgtinw.ws-eu18.gitpod.io)  /add_finished (8080-tomato-silkworm-fccgtinw.ws-eu18.gitpod.io)  Preconnect to required origins  Consider adding 'preconnect' or 'dns-prefetch' resource hints to establish early connections to the stablish early co	Show 3rd party re Transfer Size 16.9 KiB 4.6 KiB	vnloads  Learn  Potentia Savings  13.6 KiB  2.9 KiB
Serve images in next-gen formats  Image formats like WebP and AVIF often provide better compression than PNG or JPEG, which and less data consumption. Learn more.  Enable text compression — Potential savings of 16 KiB  Text-based resources should be served with compression (gzip, deflate or brotli) to minimize the more. FCP LCP  URL css/style.css (8080-tomato-silkworm-fccgtinw.ws-eu18.gitpod.io)  /add_finished (8080-tomato-silkworm-fccgtinw.ws-eu18.gitpod.io)  Preconnect to required origins  Consider adding `preconnect` or `dns-prefetch` resource hints to establish early connections to Learn more. FCP LCP	Show 3rd party re Transfer Size 16.9 KiB 4.6 KiB	vnloads  Learn  Potentia Savings  13.6 KiB  2.9 KiB
Serve images in next-gen formats  Image formats like WebP and AVIF often provide better compression than PNG or JPEG, which and less data consumption. Learn more.  Enable text compression — Potential savings of 16 KiB  Text-based resources should be served with compression (gzip, deflate or brotli) to minimize to more. FCP CCP  URL css/style.css (8080-tomato-silkworm-fccgtinw.ws-eu18.gitpod.io)  /add_finished (8080-tomato-silkworm-fccgtinw.ws-eu18.gitpod.io)  Preconnect to required origins  Consider adding 'preconnect' or 'dns-prefetch' resource hints to establish early connections to Learn more. FCP CCP  Initial server response time was short — Root document took 50 ms  Keep the server response time for the main document short because all other requests dependent.	Show 3rd party re Transfer Size 16.9 KiB 4.6 KiB	vnloads  Learn  Potentia Savings  13.6 KiB  2.9 KiB  arty origins.
Serve images in next-gen formats  Image formats like WebP and AVIF often provide better compression than PNG or JPEG, which and less data consumption. Learn more.  Enable text compression — Potential savings of 16 KiB  Text-based resources should be served with compression (gzip, deflate or brotli) to minimize to more. FCP CCP  URL css/style.css (8080-tomato-silkworm-fccgtinw.ws-eu18.gitpod.io)  /add_finished (8080-tomato-silkworm-fccgtinw.ws-eu18.gitpod.io)  Preconnect to required origins  Consider adding 'preconnect' or 'dns-prefetch' resource hints to establish early connections to Learn more. FCP CCP  Initial server response time was short — Root document took 50 ms  Keep the server response time for the main document short because all other requests dependent.	Show 3rd party re Transfer Size 16.9 KiB 4.6 KiB to important third-pa	vnloads  Learn  Potentia Savings  13.6 KiB  2.9 KiB  arty origins.

Avoid multiple page redirects	^
Redirects introduce additional delays before the page can be loaded. <u>Learn more</u> . <u>FCP</u> <u>LCP</u>	
Preload key requests	^
Consider using ` <li>k rel=preload&gt;` to prioritize fetching resources that are currently requested later in page load. Lemore. FCP LCP</li>	<u>earn</u>
Use HTTP/2	^
HTTP/2 offers many benefits over HTTP/1.1, including binary headers and multiplexing. <u>Learn more</u> .	
Use video formats for animated content	^
Large GIFs are inefficient for delivering animated content. Consider using MPEG4/WebM videos for animations and PNG/WebP for static images instead of GIF to save network bytes. <u>Learn more (LCP)</u>	
Remove duplicate modules in JavaScript bundles	^
Remove large, duplicate JavaScript modules from bundles to reduce unnecessary bytes consumed by network active (TBT)	vity.
Avoid serving legacy JavaScript to modern browsers — Potential savings of 0 KiB	^
Polyfills and transforms enable legacy browsers to use new JavaScript features. However, many aren't necessary for modern browsers. For your bundled JavaScript, adopt a modern script deployment strategy using module/nomodule detection to reduce the amount of code shipped to modern browsers, while retaining support for legacy browsers. Legace TBT	e feature
☐ Show 3rd-party reso	ources (1)
URL	ial Savings
Preload Largest Contentful Paint image	^
Preload the image used by the LCP element in order to improve your LCP time. <u>Learn more</u> . <u>LCP</u>	
Avoids enormous network payloads — Total size was 417 KiB	
· · · · · · · · · · · · · · · · · · ·	^
Large network payloads cost users real money and are highly correlated with long load times. <u>Learn more</u> . <u>LCP</u>	^
	ources (9)
Large network payloads cost users real money and are highly correlated with long load times. Learn more. LCP  Show 3rd-party reso	ources (9)
Large network payloads cost users real money and are highly correlated with long load times. Learn more. LCP  Show 3rd-party reso	. ,
Large network payloads cost users real money and are highly correlated with long load times. Learn more. CCP  Show 3rd-party reso	ansfer Size
Large network payloads cost users real money and are highly correlated with long load times. Learn more. LCP  Show 3rd-party reso  URL webfonts/free-fa-solid-900.woff2 (ka-f.fontawesome.com)	ansfer Size
Large network payloads cost users real money and are highly correlated with long load times. Learn more. LCP  Show 3rd-party reso  URL webfonts/free-fa-solid-900.woff2 (ka-f.fontawesome.com) webfonts/free-fa-brands-400.woff2 (ka-f.fontawesome.com)	ansfer Size 77.2 KiB 75.7 KiB
Large network payloads cost users real money and are highly correlated with long load times. Learn more. LCP  Show 3rd-party resolute.  URL webfonts/free-fa-solid-900.woff2 (ka-f.fontawesome.com) webfonts/free-fa-brands-400.woff2 (ka-f.fontawesome.com) v26/memtYaGs1woff2 (fonts.gstatic.com)	ansfer Size 77.2 KiB 75.7 KiB 41.7 KiB
Large network payloads cost users real money and are highly correlated with long load times. Learn more. LCP  Show 3rd-party reso  URL webfonts/free-fa-solid-900.woff2 (ka-f.fontawesome.com) webfonts/free-fa-brands-400.woff2 (ka-f.fontawesome.com) v26/memtYaGs1woff2 (fonts.gstatic.com) v26/memvYaGs1woff2 (fonts.gstatic.com)	77.2 KiB 75.7 KiB 41.7 KiB 38.7 KiB
Large network payloads cost users real money and are highly correlated with long load times. Learn more. CP  Show 3rd-party resorm  URL webfonts/free-fa-solid-900.woff2 (ka-f.fontawesome.com) webfonts/free-fa-brands-400.woff2 (ka-f.fontawesome.com) v26/memtYaGs1woff2 (fonts.gstatic.com) v26/memvYaGs1woff2 (fonts.gstatic.com) js/materialize.min.js (cdnjs.cloudflare.com)	77.2 KiB 75.7 KiB 41.7 KiB 38.7 KiB 36.3 KiB
Large network payloads cost users real money and are highly correlated with long load times. Learn more. LCP  Show 3rd-party resc  URL  webfonts/free-fa-solid-900.woff2 (ka-f.fontawesome.com)  webfonts/free-fa-brands-400.woff2 (ka-f.fontawesome.com)  v26/memtYaGs1woff2 (fonts.gstatic.com)  v26/memvYaGs1woff2 (fonts.gstatic.com)  js/materialize.min.js (cdnjs.cloudflare.com)  //jquery-3.6.0.min.js (code.jquery.com)	77.2 KiB 75.7 KiB 41.7 KiB 38.7 KiB 36.3 KiB 30.4 KiB

URL			Tra	ınsfer Size
v163/pacman1_nr5pis.png (res.cloudinary.co	pm)			15.8 KiB
Uses efficient cache policy on static assets — 2	resources found			^
A long cache lifetime can speed up repeat visits	to your page. <u>Learn more</u> .			
		Sh.	<del>ow 3rd-party reso</del>	urces (2)
URL			Cache TTL Tra	nsfer Size
v163/pacman_vwldtv.png (res.cloudinary.com	m)		30 d	16 KiB
v163/pacman1_nr5pis.png (res.cloudinary.co	om)		30 d	16 KiB
Avoids an excessive DOM size — 81 elements				^
A large DOM will increase memory usage, cause (TBT)	longer <u>style calculations</u> , and p	roduce costly <u>layo</u>	<u>ut reflows</u> . <u>Learn</u>	more.
Statistic	Element			Value
Total DOM Elements				81
Maximum DOM Depth		a		9
Maximum Child Elements	body			14
User Timing marks and measures  Consider instrumenting your app with the User T experiences. Learn more.	iming API to measure your app's	s real-world perforr	mance during key	v user
JavaScript execution time — 0.4 s				^
Consider reducing the time spent parsing, compi with this. <u>Learn more</u> . <u>TBT</u>	ling, and executing JS. You may	find delivering sm	aller JS payloads	helps
		<b>✓</b> Sh	ow 3rd-party reso	ources (3)
URL		Total CPU Time	Script Evaluation	Script Parse
/add_finished (8080-tomato-silkworm-fccgtinw.ws-e	eu18.gitpod.io)	837 ms	13 ms	3 ms
Unattributable		347 ms	24 ms	1 ms
/jquery-3.6.0.min.js (code.jquery.com)		155 ms	137 ms	14 ms

URL	Total CPU Time	Script Evaluation	Script Parse
<pre>chrome- extension://dodmmooeoklaejobgleioelladacbeki/dist/bundles/gitpodify.bundle .js</pre>	101 ms	72 ms	28 ms
/0030311fd7.js (kit.fontawesome.com)	79 ms	75 ms	2 ms
js/materialize.min.js (cdnjs.cloudflare.com)	60 ms	50 ms	11 ms
Minimizes main-thread work — 1.7 s			^

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

Category	Time Spent
Other	816 ms
Script Evaluation	375 ms
Style & Layout	247 ms
Parse HTML & CSS	98 ms
Rendering	65 ms
Script Parsing & Compilation	60 ms
All taxt ramains visible during webfant leads	

All text remains visible during webfont loads

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

Minimize third-party usage  $\,$  — Third-party code blocked the main thread for 30 ms

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

Show 3rd party resources (0)

Third-Party	Transfer Size	Main-Thread Blocking Time
j <u>Query CDN</u>	30 KiB	30 ms
/jquery-3.6.0.min.js (code.jquery.com)	30 KiB	30 ms
FontAwesome CDN	176 KiB	0 ms
webfonts/free-fa-solid-900.woff2 (ka-f.fontawesome.com)	77 KiB	0 ms
webfonts/free-fa-brands-400.woff2 (ka-f.fontawesome.com)	76 KiB	0 ms
css/free.min.css?token=0030311fd7 (ka-f.fontawesome.com)	13 KiB	0 ms
Other resources	10 KiB	0 ms
Google Fonts	87 KiB	0 ms
v26/memtYaGs1woff2 (fonts.gstatic.com)	42 KiB	0 ms
v26/memvYaGs1woff2 (fonts.gstatic.com)	39 KiB	0 ms
v9/e3t4euO8Twoff2 (fonts.gstatic.com)	5 KiB	0 ms
Cloudflare CDN	54 KiB	0 ms
js/materialize.min.js (cdnjs.cloudflare.com)	36 KiB	0 ms
css/materialize.min.css (cdnjs.cloudflare.com)	17 KiB	0 ms

Third-Party	Transfer Size	Main-Thread Blocking Time
Cloudinary	32 KiB	0 ms
v163/pacman_vwldtv.png (res.cloudinary.com)	16 KiB	0 ms
v163/pacman1_nr5pis.png (res.cloudinary.com)	16 KiB	0 ms
Lazy load third-party resources with facades		^
Some third-party embeds can be lazy loaded. Consider replacing them with a TBT	a facade until they a	are required. <u>Learn more</u> .
Avoids document.write()		^
For users on slow connections, external scripts dynamically injected via `doc seconds. <u>Learn more</u> .	cument.write()` can o	delay page load by tens of
Avoid non-composited animations		^
Animations which are not composited can be janky and increase CLS. <u>Learn</u>	n more (CLS)	
Image elements have explicit width and height		^
Set an explicit width and height on image elements to reduce layout shifts ar	nd improve CLS. <u>Le</u>	arn more CLS



# Accessibility

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

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

▲ 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

a.sidenav-trigger.left

**Tables and lists** — These are opportunities to improve the experience of reading tabular or list data using assistive technology, like a screen reader.

Lists do not contain only 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.

Failing Elements

ul#mobile-demo.sidenav

[aria-\*] attributes match their roles

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.

The page has a logical tab order	^
Tabbing through the page follows the visual layout. Users cannot focus elements that are offscreen. <u>Learn 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 non-interactive elements. <u>Learn more</u> .	
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. <u>Learn more</u> .	
Custom controls have associated labels	^
Custom interactive controls have associated labels, provided by aria-label or aria-labelledby. <u>Learn more</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. <u>Learn more</u> .	
Offscreen content is hidden from assistive technology	^
Offscreen content is hidden with display: none or aria-hidden=true. <u>Learn more</u> .	
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.  <u>Learn more</u>.</nav></main>	ogy.
ssed audits (17)	^

more. [aria-hidden="true"] is not present on the document <body> Assistive technologies, like screen readers, work inconsistently when `aria-hidden="true" is set on the document `<body>`. Learn more. [aria-hidden="true"] elements do not contain focusable descendents Focusable descendents within an `[aria-hidden="true"]` element prevent those interactive elements from being available to users of assistive technologies like screen readers. Learn more. [aria-\*] attributes have valid values Assistive technologies, like screen readers, can't interpret ARIA attributes with invalid values. Learn more. [aria-\*] attributes are valid and not misspelled Assistive technologies, like screen readers, can't interpret ARIA attributes with invalid names. Learn more. Buttons have an accessible name When a button doesn't have an accessible name, screen readers announce it as "button", making it unusable for users who rely on screen readers. Learn more. The page contains a heading, skip link, or landmark region Adding ways to bypass repetitive content lets keyboard users navigate the page more efficiently. Learn more. 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. ARIA IDs are unique The value of an ARIA ID must be unique to prevent other instances from being overlooked by assistive technologies. Learn more. Heading elements appear in a sequentially-descending order Properly ordered headings that do not skip levels convey the semantic structure of the page, making it easier to navigate and understand when using assistive technologies. Learn more. <html> element has a [lang] attribute If a page doesn't specify a lang attribute, a screen reader assumes that the page is in the default language that the user chose when setting up the screen reader. If the page isn't actually in the default language, then the screen reader might not announce the page's text correctly. Learn more. <html> element has a valid value for its [lang] attribute Specifying a valid BCP 47 language helps screen readers announce text properly. Learn more. Image elements have [alt] attributes

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

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

Form elements have associated labels

Labels ensure that form controls are announced properly by assistive technologies, like screen readers. Learn more.

List items () are contained within or parent elements

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

#### Not applicable (25)

[accesskey] values are unique

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

button, link, and menuitem elements have accessible names

When an element doesn't have an accessible name, screen readers announce it with a generic name, making it unusable for users who rely on screen readers. <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>.

ARIA meter elements have accessible names

When an element doesn't have an accessible name, screen readers announce it with a generic name, making it unusable for users who rely on screen readers. <u>Learn more</u>.

ARIA progressbar elements have accessible names

When a 'progressbar' element doesn't have an accessible name, screen readers announce it with a generic name, making it unusable for users who rely on screen readers. <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. <u>Learn more</u>.

[role] values are valid

ARIA roles must have valid values in order to perform their intended accessibility functions. Learn more.

ARIA 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 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>.

ARIA treeitem elements have accessible names

When an element doesn't have an accessible name, screen readers announce it with a generic name, making it unusable for users who rely on screen readers. <u>Learn more</u>.

<dl>'s contain only properly-ordered <dt> and <dd> groups, <script>, <template> or <div> elements.

When definition lists are not properly marked up, screen readers may produce confusing or inaccurate output. Learn more.

Definition list items are wrapped in <dl> elements

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

[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.

No form fields have multiple labels

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

<frame> or <iframe> elements have a title

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

<input type="image"> elements have [alt] text

When an image is being used as an `<input>` button, providing alternative text can help screen reader users understand the purpose of the button. <u>Learn more</u>.

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

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

 $\langle object \rangle$  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.



## **Best Practices**

### **Trust and Safety**

Ensure CSP is effective against XSS attacks

A strong Content Security Policy (CSP) significantly reduces the risk of cross-site scripting (XSS) attacks. Learn more

Description Directive Severity

No CSP found in enforcement mode High

#### General

 $\blacktriangle$ 

Issues were logged in the Issues panel in Chrome Devtools

Issues logged to the 'Issues' panel in Chrome Devtools indicate unresolved problems. They can come from network request failures, insufficient security controls, and other browser concerns. Open up the Issues panel in Chrome DevTools for more details on each issue.

Show 3rd-party resources (0)

#### Issue type

#### SameSite cookie

/0030311fd7.js (kit.fontawesome.com)

- ...v163.../pacman\_vwldtv.png (res.cloudinary.com)
- $...v163.../pacman1\_nr5pis.png \ (\textit{res.cloudinary.com})$

**Uses HTTPS** All sites should be protected with HTTPS, even ones that don't handle sensitive data. This includes avoiding mixed content, where some resources are loaded over HTTP despite the initial request being served over HTTPS. HTTPS prevents intruders from tampering with or passively listening in on the communications between your app and your users, and is a prerequisite for HTTP/2 and many new web platform APIs. Learn more. Links to cross-origin destinations are safe Add `rel="noopener"` or `rel="noreferrer"` to any external links to improve performance and prevent security vulnerabilities. Learn more. Avoids requesting the geolocation permission on page load Users are mistrustful of or confused by sites that request their location without context. Consider tying the request to a user action instead. Learn more. Avoids requesting the notification permission on page load Users are mistrustful of or confused by sites that request to send notifications without context. Consider tying the request to user gestures instead. Learn more. Avoids front-end JavaScript libraries with known security vulnerabilities Some third-party scripts may contain known security vulnerabilities that are easily identified and exploited by attackers. Learn more. Allows users to paste into password fields Preventing password pasting undermines good security policy. Learn more. Displays images with correct aspect ratio Image display dimensions should match natural aspect ratio. Learn more. Serves images with appropriate resolution Image natural dimensions should be proportional to the display size and the pixel ratio to maximize image clarity. Learn more. Page has the HTML doctype Specifying a doctype prevents the browser from switching to quirks-mode. Learn more. Properly defines charset A character encoding declaration is required. It can be done with a '<meta>' tag in the first 1024 bytes of the HTML or in the Content-Type HTTP response header. Learn more. Avoids unload event listeners The 'unload' event does not fire reliably and listening for it can prevent browser optimizations like the Back-Forward Cache. Consider using the 'pagehide' or 'visibilitychange' events instead. Learn more **Avoids Application Cache** Application Cache is deprecated. Learn more. **Detected JavaScript libraries** All front-end JavaScript libraries detected on the page. Learn more.

10/12/21, 7:08 PM Name Version jQuery 3.6.0 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. Not applicable (1) Fonts with font-display: optional are preloaded Preload 'optional' fonts so first-time visitors may use them. Learn more 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. 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 (10) 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. <u>Learn more</u> .	
	Document has a meta description	^
	Meta descriptions may be included in search results to concisely summarize page content. <u>Learn more</u> .	
	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	3
	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> .	
	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> .	
	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> .	
Not	t 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. <u>Learn more</u> .	
	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. <u>Learn more</u> .	)
	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.

#### 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. 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.

▲ 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. 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 https://8080-tomato-silkworm-fccgtinw.ws-eu18.gitpod.io/add finished

**Fetch Time** Oct 12, 2021, 7:07 PM GMT+2

Device **Emulated Desktop** 

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

**CPU** throttling 1x slowdown (Simulated)

Channel devtools

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

Gecko) Chrome/94.0.4606.71 Safari/537.36

Mozilla/5.0 (Macintosh; Intel Mac OS X 10 15 7) AppleWebKit/537.36 (KHTML, User agent (network)

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

**CPU/Memory Power** 268

Axe version 4.2.3

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