

Results for: http://localhost:5000/  
Apr 14, 2018, 4:02 PM GMT+1 • Runtime settings



Performance



Progressive Web App



Accessibility



Best Practices



SEO

## Performance

These encapsulate your web app's current performance and opportunities to improve it.



### Metrics

These metrics encapsulate your web app's performance across a number of dimensions.



#### First meaningful paint

First meaningful paint measures when the primary content of a page is visible. [Learn more](#)

2,840 ms

#### First Interactive (beta)

First Interactive marks the time at which the page is minimally interactive. [Learn more](#)

2,840 ms

#### Consistently Interactive (beta)

Consistently Interactive marks the time at which the page is fully interactive. [Learn more](#)

2,840 ms

#### Perceptual Speed Index: 3.215

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

78

#### Estimated Input Latency: 16 ms

The score above is an estimate of how long your app takes to respond to user input, in milliseconds. There is a 90% probability that a user encounters this amount of latency, or less. 10% of the time a user can expect additional latency. If your latency is higher than 50 ms, users may perceive your app as laggy. [Learn more](#)

100

### Opportunities

These are opportunities to speed up your application by optimizing the following resources.

#### Properly size images



Serve images that are appropriately-sized to save cellular data and improve load time. [Learn more](#)

##### View Details

URL	Original	Potential Savings
...03/chocolate-meringue-layer-cake-124699-1.jpg (img.taste.com.au)	199 KB	197 KB (99%)
...10/1_5birthday-cake.jpg (letocaffe.co.uk)	190 KB	185 KB (98%)
/28412/james-bond-diamonds-are-forever-cake.jpg (www.parteaz.co.uk)	190 KB	182 KB (96%)
...11/sq-xmas-cake.jpg (www.munchiescakes.co.uk)	167 KB	163 KB (98%)
...500X500/square-cakes.jpg (www.cakesdelight.co.uk)	176 KB	151 KB (86%)
/28595/math-s-graduation-cake.jpg (www.parteaz.co.uk)	142 KB	136 KB (96%)
...01/i-love-you-more-than-cake.jpg (cazkitchen.co.uk)	106 KB	102 KB (96%)
...11/colourful-choc-cake.jpg (justeatcakeblog.files.wordpress.com)	93 KB	89 KB (96%)
/assets/Harry-Potter-Dobby-Cake.jpg (www.cakesbyrobin.co.uk)	91 KB	89 KB (97%)
...06/19_6_2013_20_33_31_ki0gl7mgsv6otbp0jtgpbu4o46_qotkr70tfq.jpg (www.namestanepal.com)	86 KB	63 KB (73%)
/media/B_YK69jU8AAjqnY.jpg (pbs.twimg.com)	66 KB	63 KB (95%)
...11/Classic-chic-Christmas-cake.jpg (www.winni.in)	49 KB	44 KB (91%)
...package/the-best-chocolate-cake.jpg (www.fnstatic.co.uk)	47 KB	43 KB (93%)
...12/lighter-chocolate-cake-with-chocolate-icing.jpg (www.bbcbgoodfood.com)	49 KB	40 KB (82%)
...recipe_images/recipe-image-legacy-id--363865_11.jpg (www.bbcbgoodfood.com)	40 KB	33 KB (82%)
/images/a3.jpg (www.marshcakes.com)	30 KB	23 KB (78%)
...59/1bc9593....jpg (i.pinimg.com)	31 KB	19 KB (60%)
...48/b844483....jpg (i.pinimg.com)	21 KB	17 KB (81%)
...16564821/5090805.jpg (www.mastercook.com)	16 KB	10 KB (60%)
/images?q=tbn:ANd9GcRoE... (encrypted-tbn0.gstatic.com)	8 KB	2 KB (29%)

#### 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](#)

##### View Details

URL	Original	Potential Savings
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URL	Original	Potential Savings
...500X500/square-cakes.jpg (www.cakesdelight.co.uk)	176 KB	132 KB (75%)
...10/1_5birthday-cake.jpg (letocaffe.co.uk)	190 KB	91 KB (48%)
...11/sq-xmas-cake.jpg (www.munchiescakes.co.uk)	167 KB	74 KB (44%)
/28412/james-bond-diamonds-are-forever-cake.jpg (www.parteaz.co.uk)	190 KB	62 KB (33%)
...06/19_6_2013_20_33_31_ki0gl7mgsv6otbp0jtgpbu4o46_qotkr70tfq.jpg (www.namestanepal.com)	86 KB	59 KB (68%)
/28595/math-s-graduation-cake.jpg (www.parteaz.co.uk)	142 KB	57 KB (40%)
...03/chocolate-meringue-layer-cake-124699-1.jpg (img.taste.com.au)	199 KB	45 KB (23%)
/assets/Harry-Potter-Dobby-Cake.jpg (www.cakesbyrobin.co.uk)	91 KB	29 KB (32%)
...11/Classic-chic-Christmas-cake.jpg (www.winni.in)	49 KB	24 KB (50%)
/media/B_YK69jU8AAjqnY.jpg (pbs.twimg.com)	66 KB	17 KB (25%)
/images/a3.jpg (www.marshcakes.com)	30 KB	14 KB (49%)
...package/the-best-chocolate-cake.jpg (www.fnstatic.co.uk)	47 KB	14 KB (30%)
...12/lighter-chocolate-cake-with-chocolate-icing.jpg (www.bbcgoodfood.com)	49 KB	13 KB (26%)

**▼ Offscreen images**890 ms  
158 kBConsider lazy-loading offscreen and hidden images to improve page load speed and time to interactive. [Learn more](#).**▼ View Details**

URL	Original	Potential Savings
/28595/math-s-graduation-cake.jpg (www.parteaz.co.uk)	142 KB	142 KB (100%)
...16564821/5090805.jpg (www.mastercook.com)	16 KB	16 KB (100%)

**▼ Optimize images**860 ms  
152 kBOptimized images load faster and consume less cellular data. [Learn more](#).**▼ View Details**

URL	Original	Potential Savings
...500X500/square-cakes.jpg (www.cakesdelight.co.uk)	176 KB	103 KB (58%)
...06/19_6_2013_20_33_31_ki0gl7mgsv6otbp0jtgpbu4o46_qotkr70tfq.jpg (www.namestanepal.com)	86 KB	42 KB (48%)
/images/a3.jpg (www.marshcakes.com)	30 KB	7 KB (25%)

**▼ Reduce render-blocking stylesheets**

800 ms

External stylesheets are blocking the first paint of your page. Consider delivering critical CSS via '`<style>`' tags and deferring non-critical styles. [Learn more](#).**▼ View Details**

URL	Size (KB)	Delayed Paint By (ms)
...css/main.fb58b032.css (localhost)	22.33 KB	804 ms

**▼ Unused CSS rules**120 ms  
22 kBRemove unused rules from stylesheets to reduce unnecessary bytes consumed by network activity. [Learn more](#).**▼ View Details**

URL	Original	Potential Savings
...css/main.fb58b032.css (localhost)	22 KB	22 KB (99%)

**▼ Enable text compression**20 ms  
3 kBText-based responses should be served with compression (gzip, deflate or brotli) to minimize total network bytes. [Learn more](#).**▼ View Details**

Uncompressed resource URL	Original	GZIP Savings
/api/cakes (ec2-52-209-201-89.eu-west-1.compute.amazonaws.com)	4 KB	3 KB (66%)

**Diagnostics**

More information about the performance of your application.

**▼ Has enormous network payloads: Total size was 2,010 KB**

99

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

URL	Total Size	Transfer Time
...03/chocolate-meringue-layer-cake-124699-1.jpg (img.taste.com.au)	200 KB	1,120 ms
/28412/james-bond-diamonds-are-forever-cake.jpg (www.parteaz.co.uk)	190 KB	1,070 ms
...10/1_5birthday-cake.jpg (letocaffe.co.uk)	190 KB	1,070 ms
...500X500/square-cakes.jpg (www.cakesdelight.co.uk)	177 KB	990 ms
...11/sq-xmas-cake.jpg (www.munchiescakes.co.uk)	167 KB	940 ms

URL	Total Size	Transfer Time
/28595/math-s-graduation-cake.jpg (www.parteaz.co.uk)	143 KB	800 ms
...01/i-love-you-more-than-cake.jpg (cazkitchen.co.uk)	106 KB	600 ms
...11/colourful-choc-cake.jpg (justeatcakeblog.files.wordpress.com)	93 KB	520 ms
/assets/Harry-Potter-Dobby-Cake.jpg (www.cakesbyrobin.co.uk)	91 KB	510 ms
...06/19_6_2013_20_33_31_ki0gl7mgsv6otbp0ltgbu4o46_qotkr70tfq.jpg (www.namestanepal.com)	87 KB	490 ms

▼ Uses inefficient cache policy on static assets: 17 assets found  
A long cache lifetime can speed up repeat visits to your page. [Learn more.](#) 49

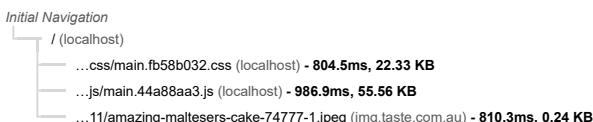
▼ View Details

URL	Cache TTL	Size (KB)
...500X500/square-cakes.jpg (www.cakesdelight.co.uk)	None	177 KB
...11/sq-xmas-cake.jpg (www.munchiescakes.co.uk)	None	167 KB
...01/i-love-you-more-than-cake.jpg (cazkitchen.co.uk)	None	106 KB
/assets/Harry-Potter-Dobby-Cake.jpg (www.cakesbyrobin.co.uk)	None	91 KB
...11/Classic-chic-Christmas-cake.jpg (www.winni.in)	None	49 KB
/images/a3.jpg (www.marshcakes.com)	None	30 KB
...16564821/5090805.jpg (www.mastercook.com)	None	16 KB
...06/19_6_2013_20_33_31_ki0gl7mgsv6otbp0ltgbu4o46_qotkr70tfq.jpg (www.namestanepal.com)	4 h	87 KB
...js/main.44a88aa3.js (localhost)	1 d	56 KB
...css/main.fb58b032.css (localhost)	1 d	22 KB
...media/logo.bff5f782.svg (localhost)	1 d	1 KB
/media/B_YK69jUBAAJqnY.jpg (pbs.twimg.com)	7 d	67 KB
...11/colourful-choc-cake.jpg (justeatcakeblog.files.wordpress.com)	19 d 17 h 30 m 56 s	93 KB
...package/the-best-chocolate-cake.jpg (www.fnstatic.co.uk)	25 d 15 h 52 m 50 s	47 KB
/28412/james-bond-diamonds-are-forever-cake.jpg (www.parteaz.co.uk)	30 d	190 KB
...10/1_5birthday-cake.jpg (letocaffe.co.uk)	30 d	190 KB
/28595/math-s-graduation-cake.jpg (www.parteaz.co.uk)	30 d	143 KB

▼ Critical Request Chains: 3

The Critical Request Chains below show you what resources are issued 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.](#)  
Longest chain: 3,540ms over 2 requests, totalling 0.24 KB

▼ View critical network waterfall:



▼ 11 Passed Audits

- ▼ Reduce render-blocking scripts  
Script elements are blocking the first paint of your page. Consider inlining critical scripts and deferring non-critical ones. [Learn more.](#)
- ▼ Minify CSS  
Minifying CSS files can reduce network payload sizes. [Learn more.](#)
- ▼ Minify JavaScript  
Minifying JavaScript files can reduce payload sizes and script parse time. [Learn more.](#)
- ▼ Keep server response times low (TTFB): 570 ms  
Time To First Byte identifies the time at which your server sends a response. [Learn more.](#)
- ▼ Avoids page redirects: 0 ms  
Redirects introduce additional delays before the page can be loaded. [Learn more.](#) ✓
- ▼ Preload key requests: 0 ms  
Consider using <link rel=preload> to prioritize fetching late-discovered resources sooner. [Learn more.](#) 100
- ▼ Avoids an excessive DOM size: 145 nodes  
Browser engineers recommend pages contain fewer than ~1,500 DOM nodes. The sweet spot is a tree depth < 32 elements and fewer than 60 children/parent element. A large DOM can increase memory usage, cause longer [style calculations](#), and produce costly [layout reflows](#). [Learn more.](#) 100

▼ View details

Total DOM Nodes	DOM Depth	Maximum Children
145 target: < 1,500 nodes	10 target: < 32	25 target: < 60 nodes

- ▼ User Timing marks and measures: 0  
Consider instrumenting your app with the User Timing API to create custom, real-world measurements of key user experiences. [Learn more.](#)

- ▼ JavaScript boot-up time: 1,250 ms  
Consider reducing the time spent parsing, compiling, and executing JS. You may find delivering smaller JS payloads helps with this. [Learn more.](#) ✓

▼ View Details

URL	Script Evaluation	Script Parsing & Compile
/h1.js (bmnlcjabgnnenekpadlanbbkooimhnj)	737 ms	1 ms
...js/main.44a88aa3.js (localhost)	123 ms	3 ms
/onloadwff.js (hdokiejnpimakedhajhdlcegeplioahd)	90 ms	0 ms
...vendor/jquery.min.js (dmnnddeddcgdlilibmaodanoonljfdmooc)	26 ms	0 ms

URL	Script Evaluation	Script Parsing & Compile
/Jquery/jquery-2.1.3.min.js (lqgfncacljheahfpahadgipefkbagpd)	23 ms	0 ms
/jquery-min.js (dpkildbpeijnaaacjfnijnncdklkicejg)	22 ms	0 ms
/content.js (dpkiidbpeijnaaacjfnijnncdklkicejg)	21 ms	0 ms
/ext/common.js (cfhdojbkjhnklibpkdaiabdccddlfdb)	18 ms	0 ms
/scripts/inject.js (dmnddeddcgdlilibmaodanoonljfdmooc)	15 ms	0 ms
/content.js (kbnhlagdnifihhjkmcaffjadkadoap)	15 ms	0 ms

▼ Main thread work breakdown: 1,830 ms

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

▼ View Details

Category	Work	Time spent
Script Evaluation	Evaluate Script	1,122 ms
Script Evaluation	Run Microtasks	78 ms
Script Evaluation	XHR Ready State Change	4 ms
Script Evaluation	XHR Load	0 ms
Style & Layout	Recalculate Style	162 ms
Style & Layout	Layout	44 ms
Parsing HTML & CSS	Parse HTML	95 ms
Parsing HTML & CSS	Parse Stylesheet	64 ms
Garbage collection	Major GC	84 ms
Garbage collection	DOM GC	44 ms
Garbage collection	Minor GC	17 ms
Paint	Paint	61 ms
Compositing	Update Layer Tree	32 ms
Compositing	Composite Layers	14 ms
Script Parsing & Compile	Compile Script	9 ms

▼ All text remains visible during webfont loads

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



## Progressive Web App

These checks validate the aspects of a Progressive Web App, as specified by the baseline [PWA Checklist](#).

64

### 4 Failed Audits

▼ Does not use HTTPS: 7 insecure requests found

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](#).



▼ Insecure URLs:

- /api/cakes (ec2-52-209-201-89.eu-west-1.compute.amazonaws.com)
- /images/a3.jpg (www.marshcakes.com)
- ...11/amazing-maltesers-cake-74777-1.jpeg (img.taste.com.au)
- ...package/the-best-chocolate-cake.jpg (www.finstatic.co.uk)
- ...01/i-love-you-more-than-cake.jpg (cazkitchen.co.uk)
- ...500X500/square-cakes.jpg (www.cakedelight.co.uk)
- ...11/sq-xmas-cake.jpg (www.munchiescakes.co.uk)

▼ Does not redirect HTTP traffic to HTTPS

If you've already set up HTTPS, make sure that you redirect all HTTP traffic to HTTPS. [Learn more](#).



▼ User will not be prompted to Install the Web App

Browsers can proactively prompt users to add your app to their homescreen, which can lead to higher engagement. [Learn more](#).

Failures: Manifest does not have icons at least 192px.



▼ Is not configured for a custom splash screen

A themed splash screen ensures a high-quality experience when users launch your app from their homescreens. [Learn more](#).

Failures: Manifest does not have icons at least 512px.



### 7 Passed Audits

▼ Registers a service worker

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](#).



▼ Responds 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](#).



▼ 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](#).



▼ Page load is fast enough on 3G

A fast page load over a 3G network ensures a good mobile user experience. [Learn more](#).



▼ Address bar matches brand colors

The browser address bar can be themed to match your site. [Learn more](#).



▼ Has a `<meta name="viewport">` tag with width or initial-scale

Add a viewport meta tag to optimize your app for mobile screens. [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](#).



▼ Additional items to manually check

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, a key to perceived performance. [Learn more.](#)
- Each page has a URL  
Ensure individual pages are deep linkable via the URLs and that URLs are unique for the purpose of shareability on social media. [Learn more.](#)

## 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.

### 9 Passed Audits

#### Elements Use Attributes Correctly

These are opportunities to improve the configuration of your HTML elements.

##### Image elements have [alt] attributes

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



#### Elements Have Discernible Names

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 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.](#)



#### Elements Describe Contents Well

These are opportunities to make your content easier to understand for a user of assistive technology, like a screen reader.

##### The page contains a heading, skip link, or landmark region

Adding ways to bypass repetitive content lets keyboard users navigate the page more efficiently. [Learn more.](#)



##### Document has a <title> element

The title gives screen reader users an overview of the page, and search engine users rely on it heavily to determine if a page is relevant to their search. [Learn more.](#)



#### Color Contrast Is Satisfactory

These are opportunities to improve the legibility of your content.

##### Background and foreground colors have a sufficient contrast ratio

Low-contrast text is difficult or impossible for many users to read. [Learn more.](#)



#### Elements Are Well Structured

These are opportunities to make sure your HTML is appropriately structured.

##### [id] attributes on the page are unique

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



#### Page Specifies Valid Language

These are opportunities to improve the interpretation of your content by users in different locales.

##### <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.](#)



#### Meta Tags Used Properly

These are opportunities to improve the user experience of your site.

##### [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.](#)



### 26 Not Applicable Audits

#### Elements Use Attributes Correctly

These are opportunities to improve the configuration of your HTML elements.

##### [accesskey] values are not unique

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



##### <audio> elements are missing 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.](#)



##### <input type="image"> elements do not 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.](#)



##### Some elements have 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 refers to other cells of that 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"] do not 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.](#)



#### ARIA Attributes Follow Best Practices

These are opportunities to improve the usage of ARIA in your application which may enhance the experience for users of assistive technology, like a screen reader.

##### [aria-\*] attributes do not match their roles

Each ARIA 'role' supports a specific subset of 'aria-\*' attributes. Mismatching these invalidates the 'aria-\*' attributes. [Learn more.](#)



##### [role]s do not 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 [role] that require specific children [role]s, are missing.

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



##### [role]s are not 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 not valid

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

▼ [aria-\*] attributes do not have valid values

Assistive technologies, like screen readers, can't interpret ARIA attributes with invalid values. [Learn more](#).

▼ [aria-\*] attributes are not valid or misspelled

Assistive technologies, like screen readers, can't interpret ARIA attributes with invalid names. [Learn more](#).

▼ Elements Have Discernible Names

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.

▼ Buttons do not 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](#).

▼ Elements Describe Contents Well

These are opportunities to make your content easier to understand for a user of assistive technology, like a screen reader.

▼ <frame> or <iframe> elements do not have a title

Screen reader users rely on frame titles to describe the contents of frames. [Learn more](#).

▼ Form elements do not have associated labels

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

▼ Presentational <table> elements do not 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](#).

▼ <object> elements do not 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](#).

▼ <video> elements do not 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 do not 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](#).

▼ Elements Are Well Structured

These are opportunities to make sure your HTML is appropriately structured.

▼ <dl>'s do not 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 not 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](#).

▼ Lists do not 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 not 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](#).

▼ Page Specifies Valid Language

These are opportunities to improve the interpretation of your content by users in different locales.

▼ [lang] attributes do not 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](#).

▼ Meta Tags Used Properly

These are opportunities to improve the user experience of your site.

▼ The document uses <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](#).

▼ Additional items to manually check

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](#).

▼ 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](#).

## Best Practices

We've compiled some recommendations for modernizing your web app and avoiding performance pitfalls.

88

## 2 Failed Audits

▼ Does not use HTTPS: 7 insecure requests found

x

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](#).

#### ▼ Insecure URLs:

- /api/cakes (ec2-52-209-201-89.eu-west-1.compute.amazonaws.com)
- /images/a3.jpg (www.marshcakes.com)
- ...11/amazing-maltesers-cake-74777-1.jpeg (img.taste.com.au)
- ...package/the-best-chocolate-cake.jpg (www.fnstatic.co.uk)
- ...0/i/love-you-more-than-cake.jpg (crazkitchen.co.uk)
- ...500X500/square-cakes.jpg (www.cakedelight.co.uk)
- ...11/sq-xmas-cake.jpg (www.munchiescakes.co.uk)

#### ▼ Does not use HTTP/2 for all of its resources: 5 requests were not handled over HTTP/2

HTTP/2 offers many benefits over HTTP/1.1, including binary headers, multiplexing, and server push. [Learn more](#).



#### ▼ View Details

URL	Protocol
/ (localhost)	http/1.1
...css/main.fb58b032.css (localhost)	http/1.1
...js/main.44a88aa3.js (localhost)	http/1.1
...media/logo.bff5f782.svg (localhost)	http/1.1
/service-worker.js (localhost)	http/1.1

#### ▼ 14 Passed Audits

##### ▼ Avoids Application Cache

Application Cache is deprecated. [Learn more](#).



##### ▼ Avoids WebSQL DB

Web SQL is deprecated. Consider using IndexedDB instead. [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 Mutation Events in its own scripts

Mutation Events are deprecated and harm performance. Consider using Mutation Observers instead. [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](#).



##### ▼ Opens external anchors using rel="noopener"

Open new tabs using 'rel="noopener"' 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 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.



##### ▼ 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](#).



##### ▼ Manifest's short\_name won't be truncated when displayed on homescreen

Make your app's 'short\_name' fewer than 12 characters to ensure that it's not truncated on homescreens. [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.



##### ▼ Displays images with correct aspect ratio

Image display dimensions should match natural aspect ratio.

100

#### 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](#).

#### ▼ 9 Passed Audits

##### ▼ Mobile Friendly

Make sure your pages are mobile friendly so users don't have to pinch or zoom in order to read the content pages. [Learn more](#).



##### ▼ Has a <meta name="viewport"> tag with width or initial-scale

Add a viewport meta tag to optimize your app for mobile screens. [Learn more](#).



##### ▼ Document uses legible font sizes

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



#### ▼ View Details

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

##### ▼ Content Best Practices

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



##### ▼ 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](#).



##### ▼ Links have descriptive text

Descriptive link text helps search engines understand your content. [Learn more](#).



##### ▼ Document has a valid hreflang

hreflang allows crawlers to discover alternate translations of the page content. [Learn more](#).



▼ Document avoids plugins	Most mobile devices do not support plugins, and many desktop browsers restrict them.	✓
▼ Crawling and Indexing	To appear in search results, crawlers need access to your app.	
▼ Page has successful HTTP status code	Pages with unsuccessful HTTP status codes may not be indexed properly. <a href="#">Learn more</a> .	✓
▼ 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. <a href="#">Learn more</a> .	✓
<b>▼ 1 Not Applicable Audits</b>		
▼ Content Best Practices	Format your HTML in a way that enables crawlers to better understand your app's content.	
▼ Document has a valid rel=canonical	Canonical links suggest which URL to show in search results. <a href="#">Learn more</a> .	
▼ Additional items to manually check	Run these additional validators on your site to check additional SEO best practices.	
▼ Page is mobile friendly	Take the <a href="#">Mobile-Friendly Test</a> to check for audits not covered by Lighthouse, like sizing tap targets appropriately. <a href="#">Learn more</a> .	
▼ Structured data is valid	Run the <a href="#">Structured Data Testing Tool</a> and the <a href="#">Structured Data Linter</a> to validate structured data. <a href="#">Learn more</a> .	

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