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Progressive Web App

These audits validate the aspects of a Progressive Web App.

App can load on offline/flaky connections

Ensuring your web app can respond when the network connection is unavailable or flaky is critical to providing your users a good experience. This is achieved through use of a [Service Worker](#).

- ✖ Registers a Service Worker ?
- ✖ Responds with a 200 when offline ?

Page load performance is fast

Users notice if sites and apps don't perform well. These top-level metrics capture the most important perceived performance concerns.

- 95 First meaningful paint: 1692.1ms (target: 1,600ms) ?
- 62 Perceptual Speed Index: 4454 (target: 1,250) ?
 - First Visual Change: 1717ms
 - Last Visual Change: 5408ms
- 100 Estimated Input Latency: 25.3ms (target: 50ms) ?
- 45 Time To Interactive (alpha): 5396.9ms (target: 5,000ms) ?

Site is progressively enhanced

Progressive enhancement means that everyone can access the basic content and functionality of a page in any browser, and those without certain browser features may receive a reduced but still functional experience.

- ✔ Contains some content when JavaScript is not available ?

Network connection is secure

Security is an important part of the web for both developers and users. Moving forward, Transport Layer Security (TLS) support will be required for many APIs.

- ✔ Uses HTTPS ?
- ✔ Redirects HTTP traffic to HTTPS ?

User can be prompted to Add to Homescreen

While users can manually add your site to their homescreen in the browser menu, the [prompt \(aka app install banner\)](#) will proactively prompt the user to install the app if the below requirements are met and the user has visited your site at least twice (with at least five minutes between visits).

- ✖ Registers a Service Worker ?
- ⊖ Manifest exists ?
 - Audit error: Required Manifest gatherer encountered an error: Unable to retrieve manifest at https://dev.madewithlove.be/manifest.json
- ⊖ Manifest contains start_url ?
 - Audit error: Required Manifest gatherer encountered an error: Unable to retrieve manifest at https://dev.madewithlove.be/manifest.json
- ⊖ Manifest contains icons at least 144px
 - Audit error: Required Manifest gatherer encountered an error: Unable to retrieve manifest at https://dev.madewithlove.be/manifest.json
- ⊖ Manifest contains short_name ?
 - Audit error: Required Manifest gatherer encountered an error: Unable to retrieve manifest at https://dev.madewithlove.be/manifest.json

Installed web app will launch with custom splash screen

A default splash screen will be constructed, but meeting these requirements guarantee a high-quality and customizable [splash screen](#) the user sees between tapping the home screen icon and your app's first paint.

- ⊖ Manifest exists ?

Audit error: Required Manifest gatherer encountered an error: Unable to retrieve manifest at <https://dev.madewithlove.be/manifest.json>

Manifest contains name ?

Audit error: Required Manifest gatherer encountered an error: Unable to retrieve manifest at <https://dev.madewithlove.be/manifest.json>

Manifest contains background_color ?

Audit error: Required Manifest gatherer encountered an error: Unable to retrieve manifest at <https://dev.madewithlove.be/manifest.json>

Manifest contains theme_color ?

Audit error: Required Manifest gatherer encountered an error: Unable to retrieve manifest at <https://dev.madewithlove.be/manifest.json>

Manifest contains icons at least 192px ?

Audit error: Required Manifest gatherer encountered an error: Unable to retrieve manifest at <https://dev.madewithlove.be/manifest.json>

Address bar matches brand colors

The browser address bar can be themed to match your site. A `theme-color` meta tag will upgrade the address bar when a user browses the site, and the `manifest theme-color` will apply the same theme site-wide once it's been added to homescreen.

Manifest exists ?

Audit error: Required Manifest gatherer encountered an error: Unable to retrieve manifest at <https://dev.madewithlove.be/manifest.json>

Has a `<meta name="theme-color">` tag

Manifest contains theme_color ?

Audit error: Required Manifest gatherer encountered an error: Unable to retrieve manifest at <https://dev.madewithlove.be/manifest.json>

Design is mobile-friendly

Users increasingly experience your app on mobile devices, so it's important to ensure that the experience can adapt to smaller screens.

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

Content is sized correctly for the viewport ?

Best Practices

We've compiled some recommendations for modernizing your web app and avoiding performance pitfalls. These audits do not affect your score but are worth a look.

Using modern offline features

Avoids Application Cache ?

Avoids WebSQL DB ?

Using modern protocols

Uses HTTPS ?

Uses HTTP/2 for its own resources: 5 requests were not handled over h2 ?

More information

| URL | Protocol |
|---|----------|
| https://dev.madewithlove.be/ | http/1.1 |
| https://dev.madewithlove.be/themes/madewithlove/assets/app/img/logo.svg | http/1.1 |
| https://dev.madewithlove.be/themes/madewithlove/assets/builds/css/styles.css | http/1.1 |
| https://dev.madewithlove.be/themes/madewithlove/assets/builds/fonts/icons-ed155252f0b88a172f9520e7ae782aa8.woff | http/1.1 |
| https://dev.madewithlove.be/themes/madewithlove/assets/builds/js/scripts.js | http/1.1 |

Using bytes efficiently








Uses 90% of its CSS rules: 50KB (~250ms) potential savings ?

More information

| URL | Unused Rules | Original (KB) | Potential Savings (%) |
|--|--------------|---------------|-----------------------|
| css/styles.css | 392 | 63 KB | 79% |
| <i>inline</i> .tk-proxima-nova{font-far | 1 | 0 KB | 100% |
| <i>inline</i> /* Copyright 2014 Evernot 2 .en-markup-crop-options { top: 18p... } ... | | 0 KB | 100% |

- Has optimized images ?
- Has appropriately sized images: 31KB (~150ms) potential savings ?

More information

| URL | Original (KB) | Potential Savings (%) |
|--|---------------|-----------------------|
|  img/logo.svg | 1 KB | 36% |
|  1/1@2x.png | 8 KB | 75% |
|  2/1@2x.png | 9 KB | 75% |
|  1/0@2x.png | 10 KB | 75% |
|  2/0@2x.png | 7 KB | 75% |
|  1/2@2x.png | 4 KB | 75% |
|  2/2@2x.png | 2 KB | 75% |

Using modern CSS features

- Avoids old CSS flexbox ?

Using modern JavaScript features

- Uses passive listeners to improve scrolling performance ?

More information

| URL | Line/Col | Type | Snippet |
|---|------------|------------|---|
| https://dev.madewithlove.be/th | 9209:31634 | touchstart | <pre> `div#map.leaflet- container.leaflet- touch.leaflet-retina.leaflet- fade- anim.addEventListener('touchs function o(t){var e;if(s.Browser.pointer? (m.push(t.pointerId),e=m.lengthl (e>1)){var i=Date.now(),n=i- (r i);!t.touches? t.touches[0]:t,h=n>0&&u>=n,r: control-grid.map- tooltip.leaflet- control.addEventListener('touc function o(t){var e;if(s.Browser.pointer? (m.push(t.pointerId),e=m.lengthl (e>1)){var i=Date.now(),n=i- (r i);!t.touches? t.touches[0]:t,h=n>0&&u>=n,r: function o(t){var e;if(s.Browser.pointer? (m.push(t.pointerId),e=m.lengthl (e>1)){var i=Date.now(),n=i- (r i);!t.touches? t.touches[0]:t,h=n>0&&u>=n,r: legends.wax-legends.leaflet- control.addEventListener('touc function o(t){var e;if(s.Browser.pointer? (m.push(t.pointerId),e=m.lengthl (e>1)){var i=Date.now(),n=i- (r i);!t.touches? t.touches[0]:t,h=n>0&&u>=n,r: </pre> |

| URL | Line/Col | Type | Snippet |
|---|------------|------------|--|
| https://dev.madewithlove.be/th | 9209:21670 | touchstart | <code>`div.leaflet-control-grid.map-tooltip.leaflet-control.addEventListeners('touchstart', function (e){return i.call(n t,e) s.DomEvent._getEv</code> |
| https://dev.madewithlove.be/th | 9209:21670 | mousewheel | <code>div.leaflet-control-grid</code> |

- ✔ Avoids Mutation Events in its own scripts ?

Avoiding APIs that harm the user experience

- ✔ Avoids `document.write()` ?
- ✘ Avoids `<link>` that delay first paint: 1 resource delayed first paint by 616ms ?

▼ More information

| URL | Size (KB) | Delayed Paint By (ms) |
|--------------------------------|-----------|-----------------------|
| css/styles.css | 63 KB | 616ms |

- ✔ Avoids `<script>` in head that delay first paint ?
- ✘ Opens external anchors using `rel="noopener"` ?

▼ URLs

```
<a href="https://twitter.com/madewithlove" target="_blank">
<a href="https://www.linkedin.com/company/madewithlove" target="_blank">
<a href="https://github.com/madewithlove" target="_blank">
```

- ✔ Avoids requesting the geolocation permission on page load ?
- ✔ Avoids requesting the notification permission on page load ?

Avoiding deprecated APIs and browser interventions

- ✔ Avoids deprecated APIs ?

Accessibility

- ✔ Element `aria-*` attributes are allowed for this role ?
- ✔ Elements with ARIA roles have the required `aria-*` attributes ?
- ✔ Element `aria-*` attributes are valid and not misspelled or non-existent. ?
- ✔ Element `aria-*` attributes have valid values ?
- ✘ Background and foreground colors have a sufficient contrast ratio ?

▼ 2 elements fail this test

```
body > .homepage > .row.centered.explore-work > .button.button-tertiary.button-rounded.centered > span
```

```
body > .site-footer > .row.column-12.column.centered > div:nth-of-type(3) > .job-openings > a
```

- ✘ Every image element has an alt attribute ?

▼ 6 elements fail this test

```
body > .homepage > .map-container > .leaflet-container.leaflet-retina.leaflet-fade-anim > .leaflet-map-pane > .leaflet-tile-pane > .leaflet-layer > .leaflet-tile-container.leaflet-zoom-animated > img:nth-of-type(1)
```

```
body > .homepage > .map-container > .leaflet-container.leaflet-retina.leaflet-fade-anim > .leaflet-map-pane > .leaflet-tile-pane > .leaflet-layer > .leaflet-tile-container.leaflet-zoom-animated > img:nth-of-type(2)
```

```
body > .homepage > .map-container > .leaflet-container.leaflet-retina.leaflet-fade-anim > .leaflet-map-pane > .leaflet-tile-pane > .leaflet-layer > .leaflet-tile-container.leaflet-zoom-animated > img:nth-of-type(3)
```

```
body > .homepage > .map-container > .leaflet-container.leaflet-retina.leaflet-fade-anim > .leaflet-map-pane > .leaflet-tile-pane > .leaflet-layer > .leaflet-tile-container.leaflet-zoom-animated > img:nth-of-type(4)
```

```
body > .homepage > .map-container > .leaflet-container.leaflet-retina.leaflet-fade-anim > .leaflet-map-pane > .leaflet-tile-pane > .leaflet-layer > .leaflet-tile-container.leaflet-zoom-animated > img:nth-of-type(5)
```

```
body > .homepage > .map-container > .leaflet-container.leaflet-retina.leaflet-fade-anim > .leaflet-map-pane > .leaflet-tile-pane > .leaflet-layer > .leaflet-tile-container.leaflet-zoom-animatd > img:nth-of-type(6)
```

- ✓ Every form element has a label [?](#)
- ✓ No element has a `tabindex` attribute greater than 0 [?](#)

Other

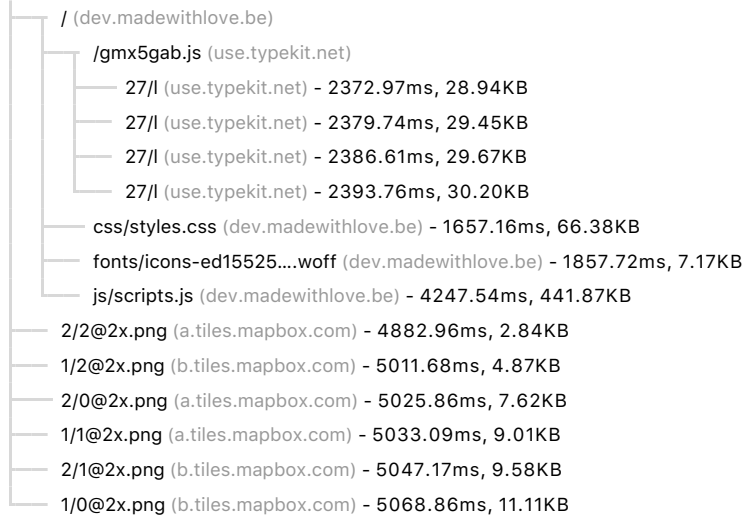
- ✗ Manifest's `short_name` won't be truncated when displayed on homescreen [?](#)
 Audit error: Required Manifest gatherer encountered an error: Unable to retrieve manifest at <https://dev.madewithlove.be/manifest.json>
- ✗ Manifest's `display` property is set [?](#)
 Audit error: Required Manifest gatherer encountered an error: Unable to retrieve manifest at <https://dev.madewithlove.be/manifest.json>

Performance Metrics

These encapsulate your app's performance.

- ✗ Critical Request Chains: 7 [?](#)
 Longest request chain (shorter is better): 3
 Longest chain duration (shorter is better): 5068.86ms
 Longest chain transfer size (smaller is better): 438.47KB

Initial navigation



- ✓ User Timing marks and measures: 0 [?](#)

Fancier stuff

A list of newer features that you could be using in your app. These audits do not affect your score and are just suggestions.

New JavaScript features

- ✗ Avoids `Date.now()` in its own scripts [?](#)

▼ More information

| URL | Line/Col | Eval'd? |
|---|----------|---------|
| https://dev.madewithlove.be/themes/mad | 7508:20 | |
| https://dev.madewithlove.be/themes/mad | 4694:50 | |

- ✓ Avoids `console.time()` in its own scripts [?](#)

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