46/100 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 ❓

     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 ❓

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.

- 98 First meaningful paint: 1356.9ms (target: 1,600ms) ❓
- 66 Perceptual Speed Index: 4118 (target: 1,250) ❓

     Speed Index shows how quickly the contents of a page are visibly populated. Learn more.

     First Visual Change: 1376ms

     Last Visual Change: 4952ms
- 100 Estimated Input Latency: 16ms (target: 50ms) ❓
- ➖ Time To Interactive (alpha) ❓

     Audit error: Entire trace was found to be busy.

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 ❓
- ❌ Manifest contains start_url ❓
- ❌ Manifest contains icons at least 144px
- ❌ Manifest contains short_name ❓

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 ❓
- ❌ Manifest contains name ❓
- ❌ Manifest contains background_color ❓
- ❌ Manifest contains theme_color ❓

❌ Manifest contains icons at least 192px (?)

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 (?)

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

❌ Manifest contains `theme_color` (?)

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 (?)

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

   ▼ More information

URL	Protocol
https://madewithlove.be/	http/1.1
https://madewithlove.be/themes/madewithlove/assets/app/img/logo.svg	http/1.1
https://madewithlove.be/themes/madewithlove/assets/builds/css/styles.css	http/1.1
https://madewithlove.be/themes/madewithlove/assets/builds/fonts/icons-ed155252f0b88a172f9520e7ae782aa8.woff	http/1.1
https://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%
inline `.tk-proxima-nova{font-fa`	1	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%

	URL	Original (KB)	Potential Savings (%)
	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://madewithlove.be/theme	9209:31634	touchstart	`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.lengt (e>1)){var i=Date.now(),n=i-(r||i);l=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.lengt (e>1)){var i=Date.now(),n=i-(r||i);l=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.lengt (e>1)){var i=Date.now(),n=i-(r||i);l=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.lengt (e>1)){var i=Date.now(),n=i-(r||i);l=t.touches? t.touches[0]:t,h=n>0&&u>=n,r`
https://madewithlove.be/theme	9209:21670	touchstart	`div.leaflet-control-grid.map-tooltip.leaflet-control.addEventListener('touc function (e){return i.call(n||t,e||s.DomEvent._getEv legends.wax-legends.leaflet-control.addEventListener('touc function (e){return i.call(n||t,e||s.DomEvent._getEv`
https://madewithlove.be/theme	9209:21670	mousewheel	`div.leaflet-control-grid`

✅ 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 618ms ❓

▼ More information

URL	Size (KB)	Delayed Paint By (ms)
css/styles.css	63 KB	618ms

✅ 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-
animated > img:nth-of-type(6)
```

✅ Every form element has a label ❓

✅ No element has a `tabindex` attribute greater than 0 ❓

Other

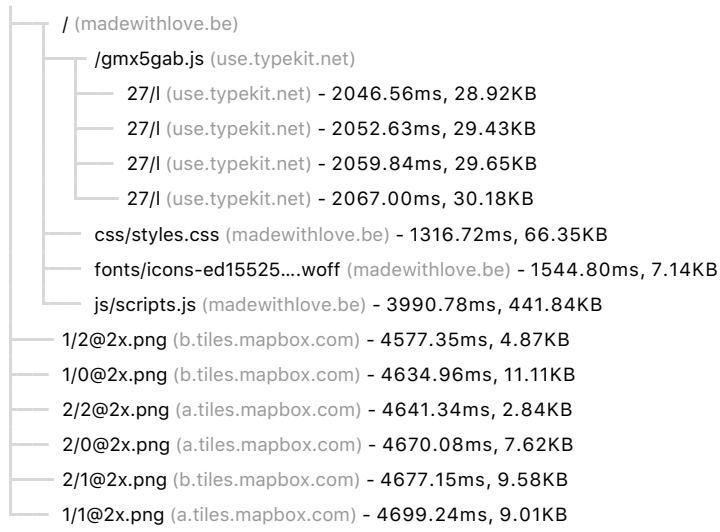❌ Manifest's `short_name` won't be truncated when displayed on homescreen ❓

❌ Manifest's `display` property is set ❓

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): 4699.24ms

    Longest chain transfer size (smaller is better): 438.47KB

    Initial navigation

```
┌──── / (madewithlove.be)
│   ┌──── /gmx5gab.js (use.typekit.net)
│   │   ┌──── 27/l (use.typekit.net) - 2046.56ms, 28.92KB
│   │   ├──── 27/l (use.typekit.net) - 2052.63ms, 29.43KB
│   │   ├──── 27/l (use.typekit.net) - 2059.84ms, 29.65KB
│   │   └──── 27/l (use.typekit.net) - 2067.00ms, 30.18KB
│   ├──── css/styles.css (madewithlove.be) - 1316.72ms, 66.35KB
│   ├──── fonts/icons-ed15525….woff (madewithlove.be) - 1544.80ms, 7.14KB
│   └──── js/scripts.js (madewithlove.be) - 3990.78ms, 441.84KB
├──── 1/2@2x.png (b.tiles.mapbox.com) - 4577.35ms, 4.87KB
├──── 1/0@2x.png (b.tiles.mapbox.com) - 4634.96ms, 11.11KB
├──── 2/2@2x.png (a.tiles.mapbox.com) - 4641.34ms, 2.84KB
├──── 2/0@2x.png (a.tiles.mapbox.com) - 4670.08ms, 7.62KB
├──── 2/1@2x.png (b.tiles.mapbox.com) - 4677.15ms, 9.58KB
└──── 1/1@2x.png (a.tiles.mapbox.com) - 4699.24ms, 9.01KB
```

✅ 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?
s/madewithlove/assets/builds/js/scripts.js	7508:20	
s/madewithlove/assets/builds/js/scripts.js	4694:50	

✅ Avoids `console.time()` in its own scripts   ?

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