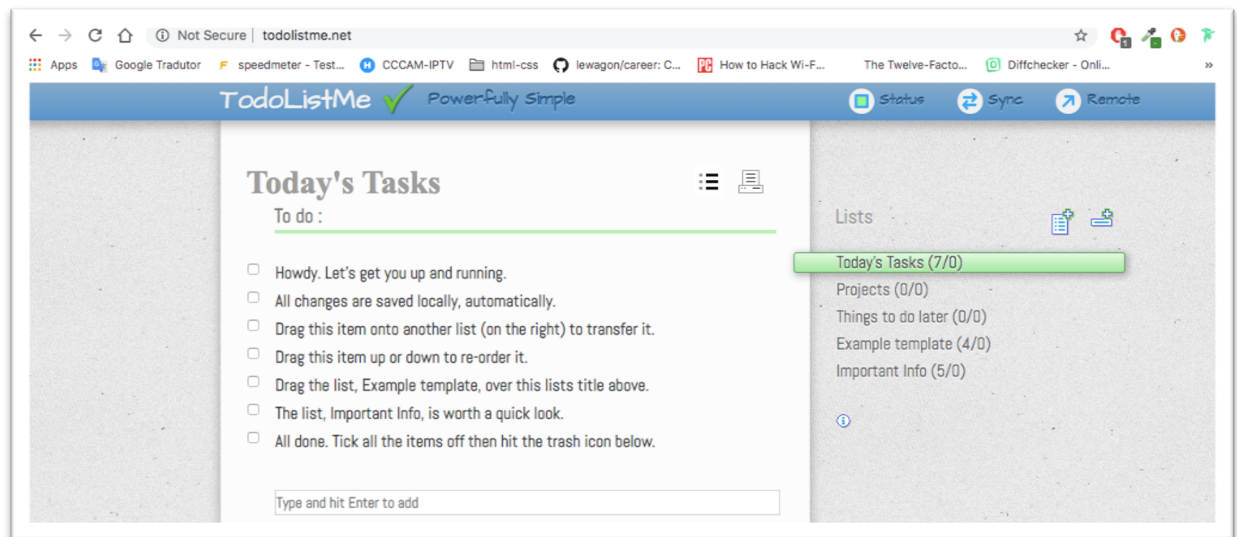


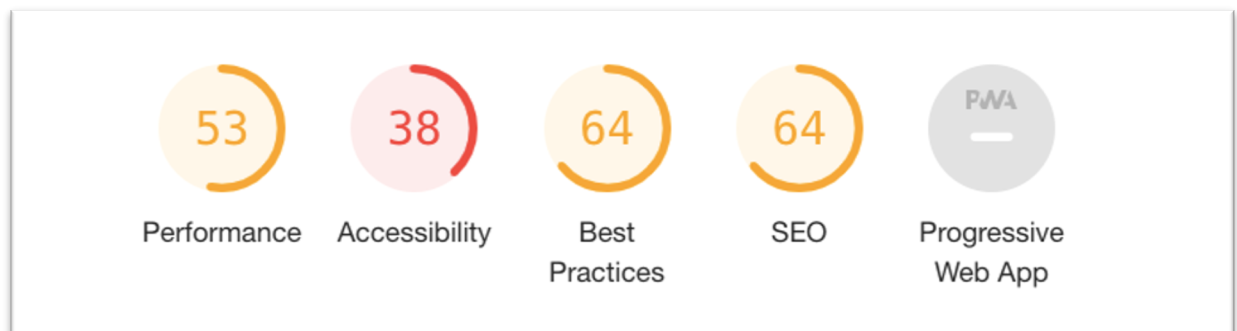
Step 3: Analyse performance

Audit performance document using google DevTools to principal competitor site:

<http://todolistme.net/>



1 – Overall Status



1.1- Metrix

- The overall performance score is **53%**.
- Speed Index **4.0 s**
- Time to interactive **10.7 s**
- First meaningful paint **2.8 s**
- First CPU Idle **9.9 s**
- Max Potential First Input Delay **600 ms**

1.3 - Opportunities

These suggestions can help your page load faster. Those two are the most significant.

- **Serve images in next-gen formats:** JPEG 2000, JPEG XR, and WebP are image formats that have superior compression and quality characteristics compared to their older JPEG and PNG counterparts. Encoding your images in these formats rather than JPEG or PNG means that they will load faster and consume less cellular data

<https://developers.google.com/web/tools/lighthouse/audits/webp>

- **Preconnect to required origins:** Improve page load speed with preconnect <#>

```
<link rel="preconnect">
```

informs the browser that your page intends to establish a connection to another origin, and that you'd like the process to start as soon as possible.

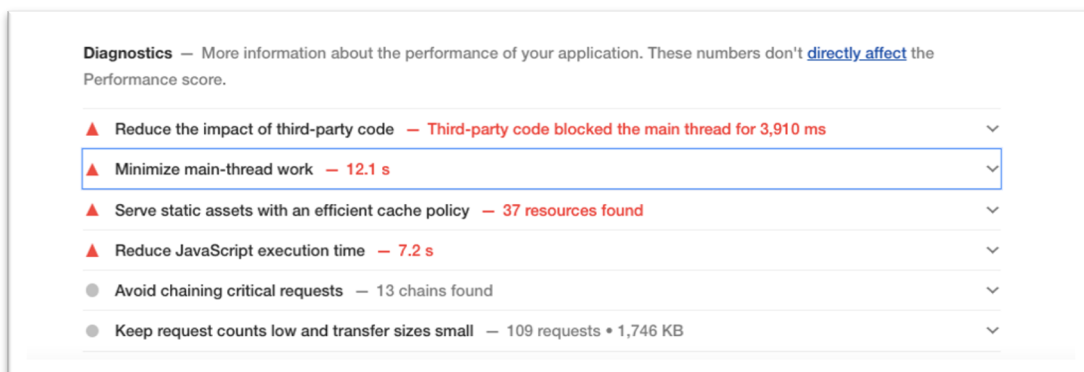
Establishing connections often involves significant time in slow networks, particularly when it comes to secure connections, as it may involve DNS lookups, redirects, and several round trips to the final server that handles the user's request.

- **Minify JavaScript:** Todolistme loads several scripts in the body and also has inline scripts that should be combined into one js-file and then minified.

Opportunities — These suggestions can help your page load faster. They don't directly affect the Performance score.		
Opportunity		Estimated Savings
▲ Serve images in next-gen formats	<div></div>	4.51 s ▼
■ Preconnect to required origins	<div></div>	0.54 s ▼
■ Minify JavaScript	<div></div>	0.35 s ▼
■ Eliminate render-blocking resources	<div></div>	0.15 s ▼
■ Remove unused CSS	<div></div>	0.15 s ▼

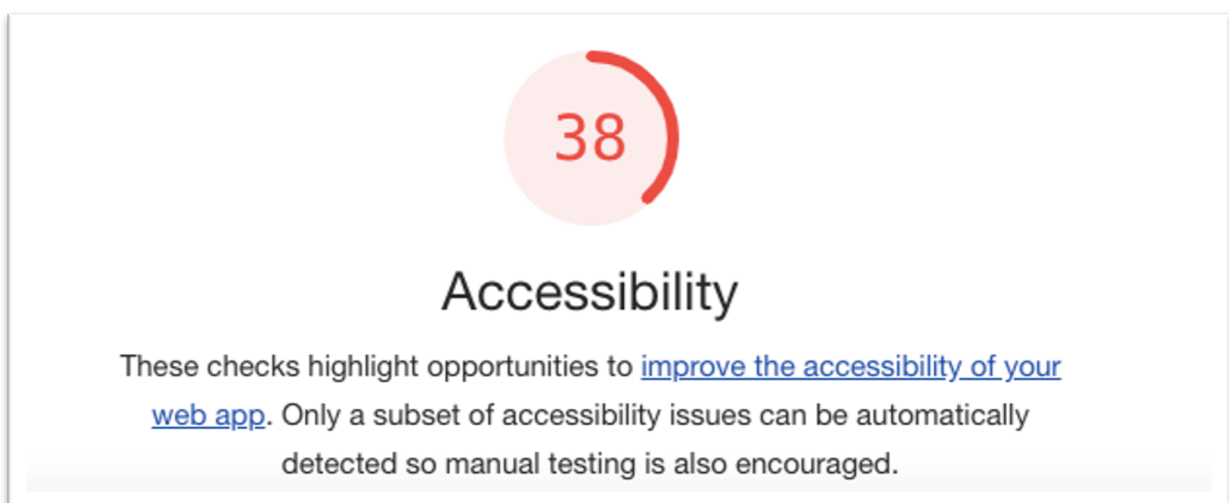
1.4 - Diagnostics

- Minimize main thread work: The main thread also processes user events. So, any time the main thread is busy doing something else, your web page may not respond to user interactions, leading to a bad experience.
- Serve static assets with an efficient cache policy: HTTP caching can speed your page load time on repeat visits.



2 - Accessibility

- Contrast ratio between background and foreground colors: Text is hardly legible.
- IDs of elements should be unique
- Add titles to frame and iframe elements, add alt attributes to images to make it easier for visually impaired people to navigate through the page.
- Add a language attribute to the html-tag



3 - Best Practices

- HTTPS: The page does not use a secure transfer protocol. This is important to protect users.
- Avoid document.write()-method to make sure that even users with slow internet connections do not experience page load delays.
- Vulnerable third-party scripts: Todolistme uses an old version of jQuery. Always make sure to use up-to-date libraries without any vulnerabilities to protect users.



Best Practices

4 - SEO

- meta-tags: missing viewport meta-tag to ensure optimal display in mobile devices.
- Legible font-sizes: Uses text smaller than 12px. (Application relevant texts are properly sized)
- Target elements too small: Some clickable elements are too small which makes interaction with the page harder.
- Although todolistme is working on dedicated mobile versions (android and ios) the web app is not responsive which is very important these days.
- Image elements do not have [alt] attributes. The alt attribute provides alternative information for an image if a user for some reason cannot view it

