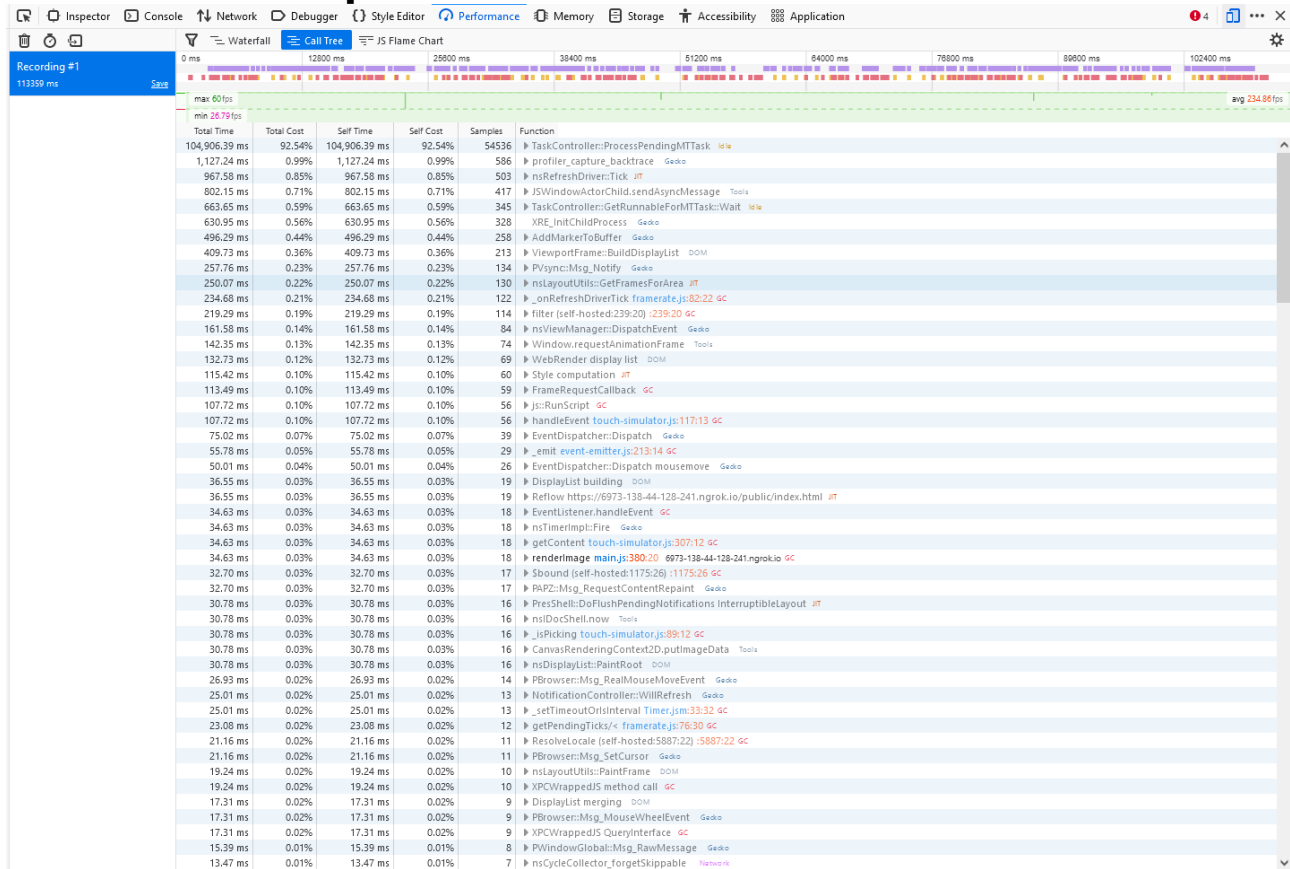


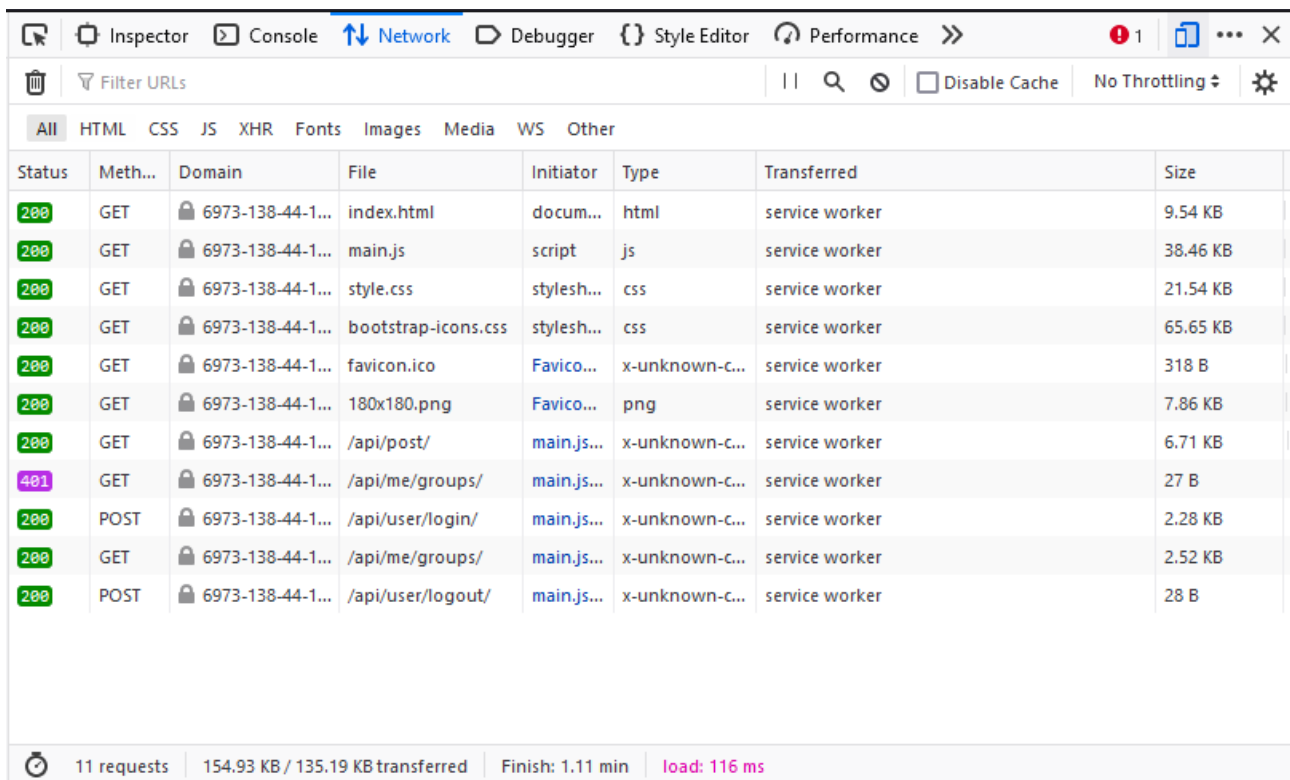
UX Development Cluster – Part D

Screenshot of performance tabs in Devtools



Performance was steady throughout the duration of testing the app, and was similar when being used on an IOS device. The framerate would lower when rapidly switching between tabs or spam clicking buttons, but rarely dropped below 60.

Screenshot of AJAX / Fetch Requests



Status	Meth...	Domain	File	Initiator	Type	Transferred	Size
200	GET	6973-138-44-1...	index.html	docum...	html	service worker	9.54 KB
200	GET	6973-138-44-1...	main.js	script	js	service worker	38.46 KB
200	GET	6973-138-44-1...	style.css	stylesh...	css	service worker	21.54 KB
200	GET	6973-138-44-1...	bootstrap-icons.css	stylesh...	css	service worker	65.65 KB
200	GET	6973-138-44-1...	favicon.ico	Favico...	x-unknown-c...	service worker	318 B
200	GET	6973-138-44-1...	180x180.png	Favico...	png	service worker	7.86 KB
200	GET	6973-138-44-1...	/api/post/	main.js...	x-unknown-c...	service worker	6.71 KB
401	GET	6973-138-44-1...	/api/me/groups/	main.js...	x-unknown-c...	service worker	27 B
200	POST	6973-138-44-1...	/api/user/login/	main.js...	x-unknown-c...	service worker	2.28 KB
200	GET	6973-138-44-1...	/api/me/groups/	main.js...	x-unknown-c...	service worker	2.52 KB
200	POST	6973-138-44-1...	/api/user/logout/	main.js...	x-unknown-c...	service worker	28 B

11 requests | 154.93 KB / 135.19 KB transferred | Finish: 1.11 min | load: 116 ms

Requests in order:

- 1 – GET request for the HTML of the app.
- 2 – GET request for the JavaScript of the app.
- 3 – GET request for the CSS of the app.
- 4 – GET request for the bootstrap icons used in the app.
 - Bootstrap icons are served from the app rather than a cdn to allow them to still be cached more easily.
- 5 – GET request for the favicon.
- 6 – GET request for the manifest's app icons.
- 7 – GET request the 'explore' page, which just selects all posts at the moment.
- 8 – GET request trying to access the user's groups, but gets a 401 due to not being logged in.
- 9 – POST request for the user logging in to their account.
- 10 – GET request for the user's own groups, which gets a 200 this time because having a session.
- 11 – POST request for the user logging out of their account.

Proof of localStorage

[illegible]

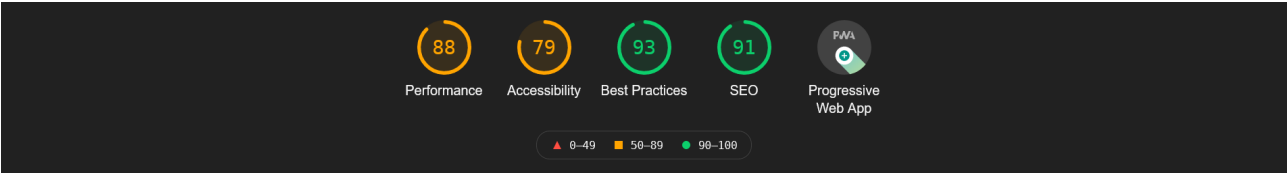
Information about users are stored in `localStorage`, which is set on login and removed on logout.

This is used for allowing the user to at least view their accounts while not connected to the internet.

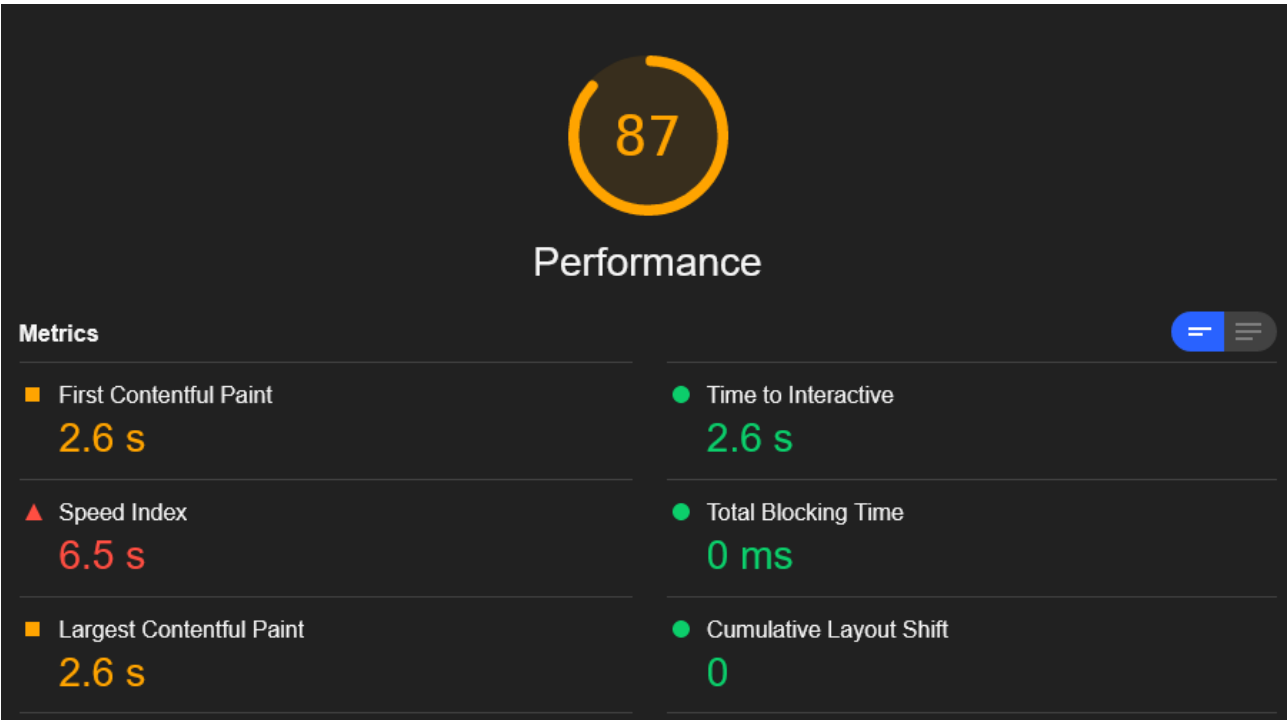
The theme of the site is also stored in localstorage, which includes a custom colour as well as a dark mode.

PWA Audit

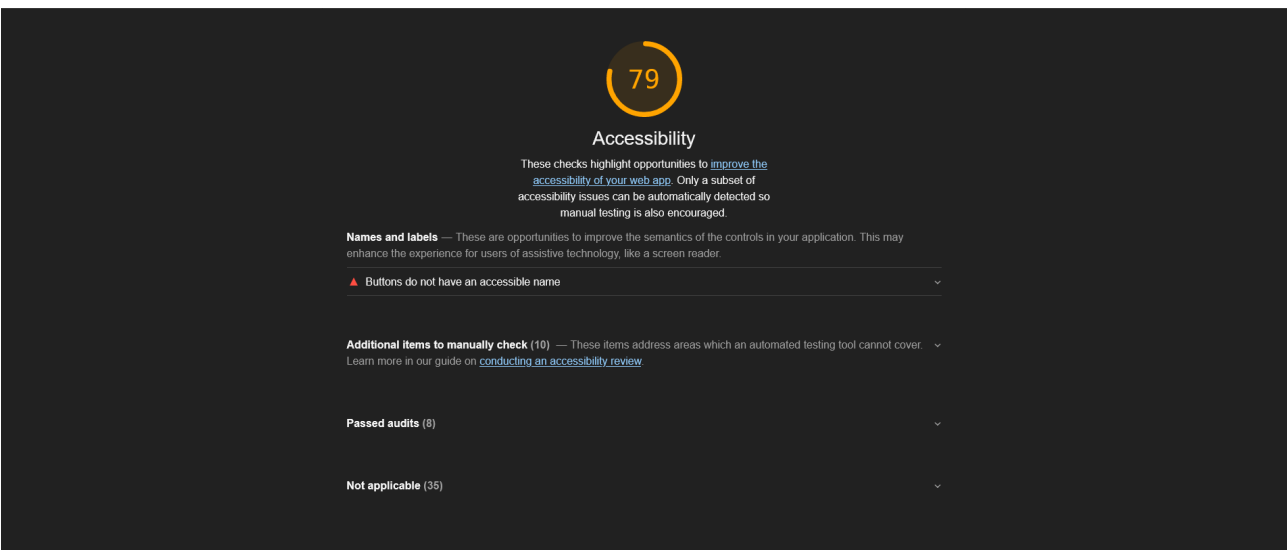
Overview



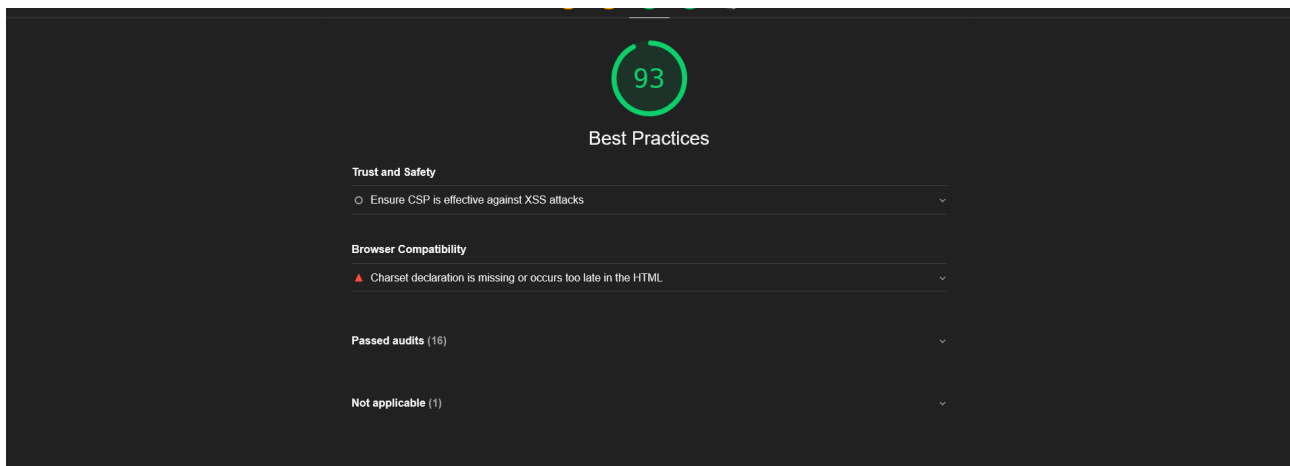
Performance



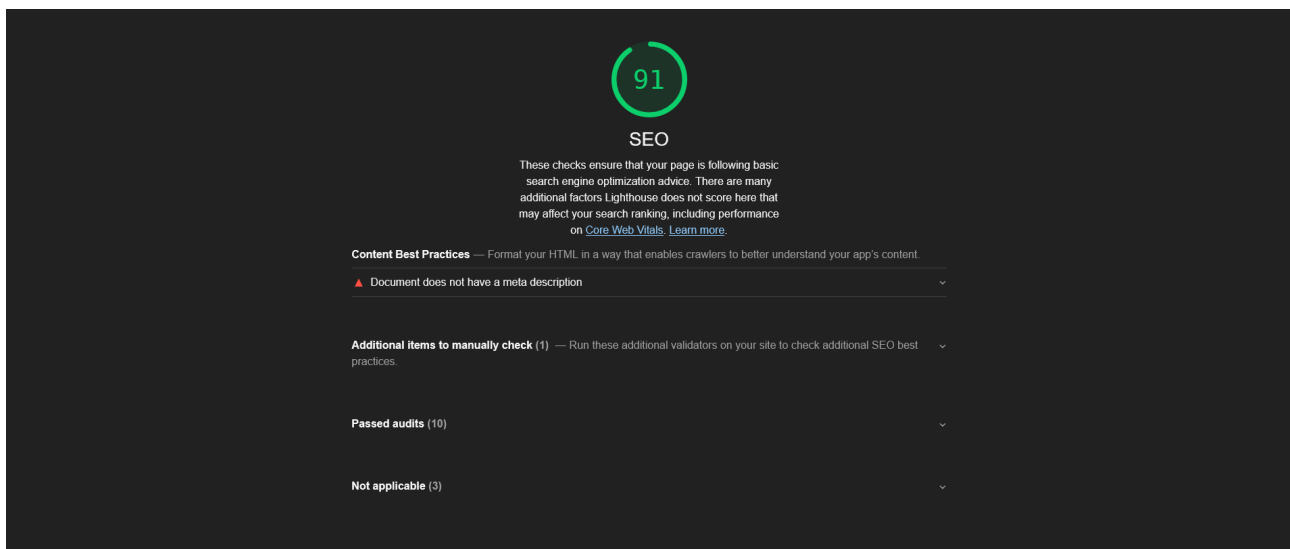
Accessibility




Best Practices



SEO





Progressive Web App



Progressive Web App

These checks validate the aspects of a Progressive Web App. [Learn more.](#)

 **Installable**


 <https://6973-138-44-128-241.ngrok.io/public/index.html>

88

79

93

91



- Registers a service worker that controls page and `start_url`
- Does not redirect HTTP traffic to HTTPS
- Is not configured for a custom splash screen
 - Failures: Manifest does not have a PNG icon of at least 512px, Manifest does not have "theme_color".
- Does not set a theme color for the address bar. Failures: Manifest does not have "theme_color".
- Content is sized correctly for the viewport
- Has a `<meta name="viewport">` tag with `width` or `initial-scale`
- Provides a valid `apple-touch-icon`
- Manifest doesn't have a maskable icon

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.

Runtime Settings	
URL	https://6973-138-44-128-241.ngrok.io/public/index.html
Fetch Time	Oct 20, 2021, 4:18 PM GMT+10
Device	Emulated Moto G4
Network throttling	Unknown
CPU throttling	Unknown
Channel	lr
User agent (host)	Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/537.36 (KHTML, like Gecko) HeadlessChrome/92.0.4515.119 Safari/537.36
User agent (network)	Mozilla/5.0 (Linux; Android 7.0; Moto G (4)) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/94.0.4590.2 Mobile Safari/537.36 Chrome-Lighthouse
CPU/Memory Power	1276