

Experiment 11

Aim:- To use google Lighthouse PWA Analysis Tool to test the PWA functioning.

Github Link: <https://github.com/anshi1108/MPL-project>

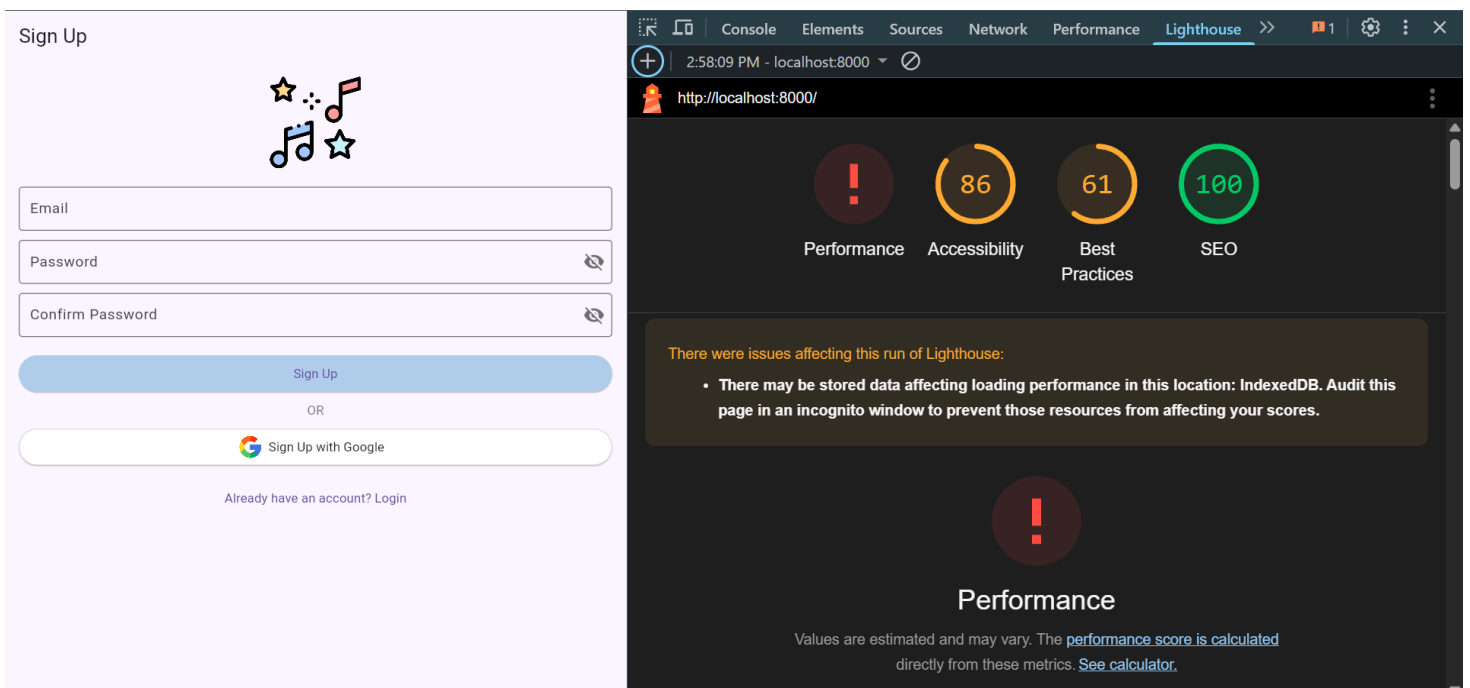
Description:

The aim of this experiment is to use the Google Lighthouse PWA Analysis Tool to evaluate and verify the proper functioning of a Progressive Web App (PWA).

Lighthouse is an automated auditing tool available within Chrome DevTools that helps developers assess several key aspects of their web applications, including performance, accessibility, SEO, and PWA compliance. In this experiment, we generate a detailed Lighthouse report to verify whether the app meets essential PWA criteria such as fast loading times, offline functionality, responsive design, secure HTTPS connection, service worker registration, and proper web app manifest configuration.

This helps developers optimize their app for a better and more consistent user experience across devices.

Output:



Conclusion:

By using the Google Lighthouse tool, we were able to thoroughly test and analyze the PWA's performance, accessibility, and adherence to web standards.

The audit report provided valuable feedback and actionable suggestions, allowing us to improve the overall functionality and user experience of the E-commerce PWA, making it more reliable and user-friendly across different platforms.