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DOP:	DOS:
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Experiment 11

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

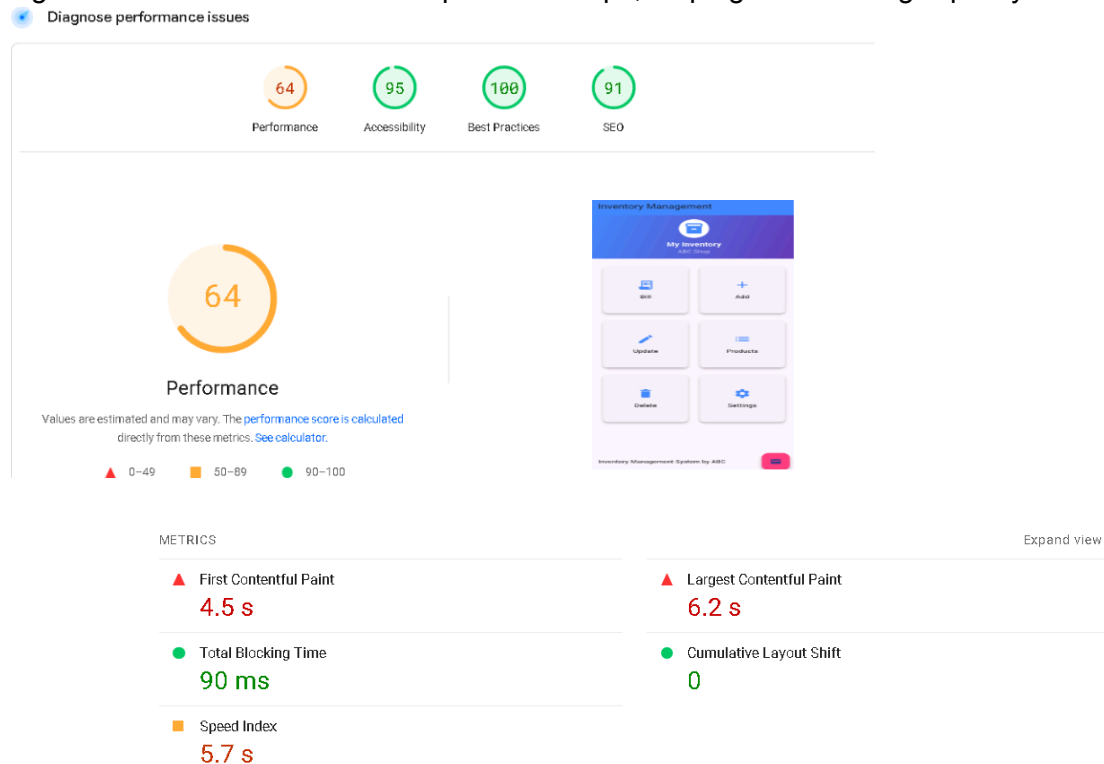
Theory:

Google Lighthouse is an open-source tool that audits web apps for performance, accessibility, SEO, best practices, and PWA standards.

For PWAs, it checks:

- Web App Manifest
- Service Worker setup
- HTTPS usage
- Responsive & offline functionality
- “Add to Home Screen” support

It gives a score out of 100 with improvement tips, helping ensure a high-quality user experience.



Conclusion:

Using Google Lighthouse, we successfully analyzed the PWA capabilities of App The tool helped us verify important aspects like offline access, manifest configuration, and service worker functionality. It also provided valuable suggestions to optimize user experience and app performance, making it a vital step in PWA development and deployment.