

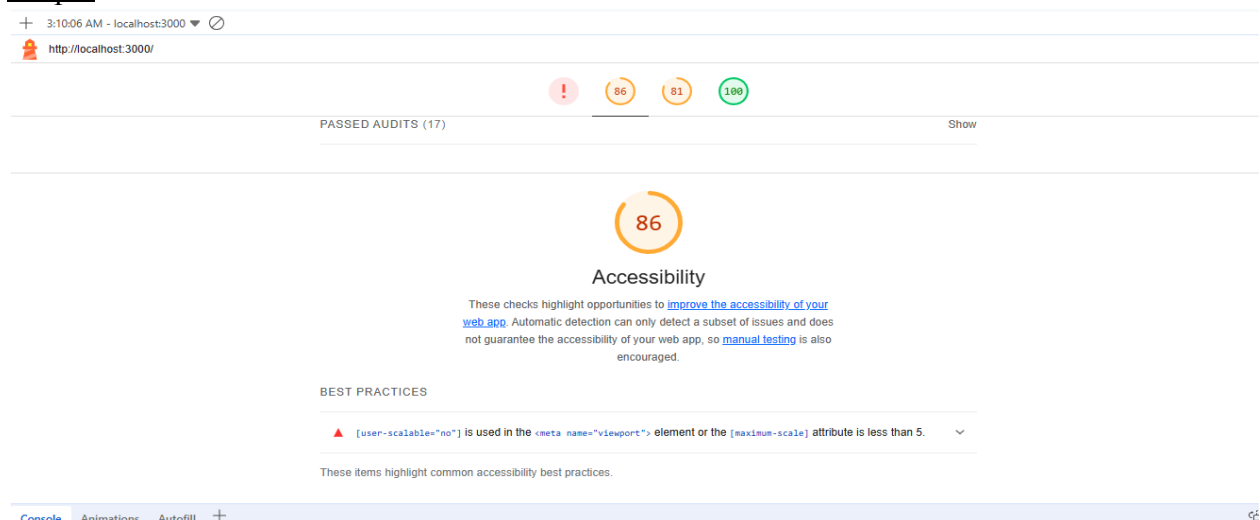
EXPERIMENT 11	
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DOP	
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Aim: To use google Lighthouse PWA Analysis Tool to test the PWA functioning.

Github link: <https://github.com/dimpledalwani/flutter-ecom-pwa1.git>

Theory: Using **Google Lighthouse** for PWA analysis is an essential step in testing and improving the performance and functionality of an **E-commerce PWA**. Lighthouse is a free, automated tool available in Chrome DevTools that audits various aspects of a web application, including performance, accessibility, best practices, SEO, and PWA compliance. When used for a PWA, it checks whether the app meets critical PWA requirements such as service worker registration, valid manifest file, offline capability, fast load time, and installability. The tool provides a detailed report with scores and actionable suggestions, helping developers identify issues and optimize the app for a better user experience.

Output:



Conclusion:In conclusion, using the Google Lighthouse PWA analysis tool is a valuable practice for evaluating and enhancing the quality of an E-commerce PWA. It ensures that the app is not only functional but also reliable, fast, and user-friendly across different devices. This step helps developers align with modern web standards and deliver a high-quality shopping experience to users.