

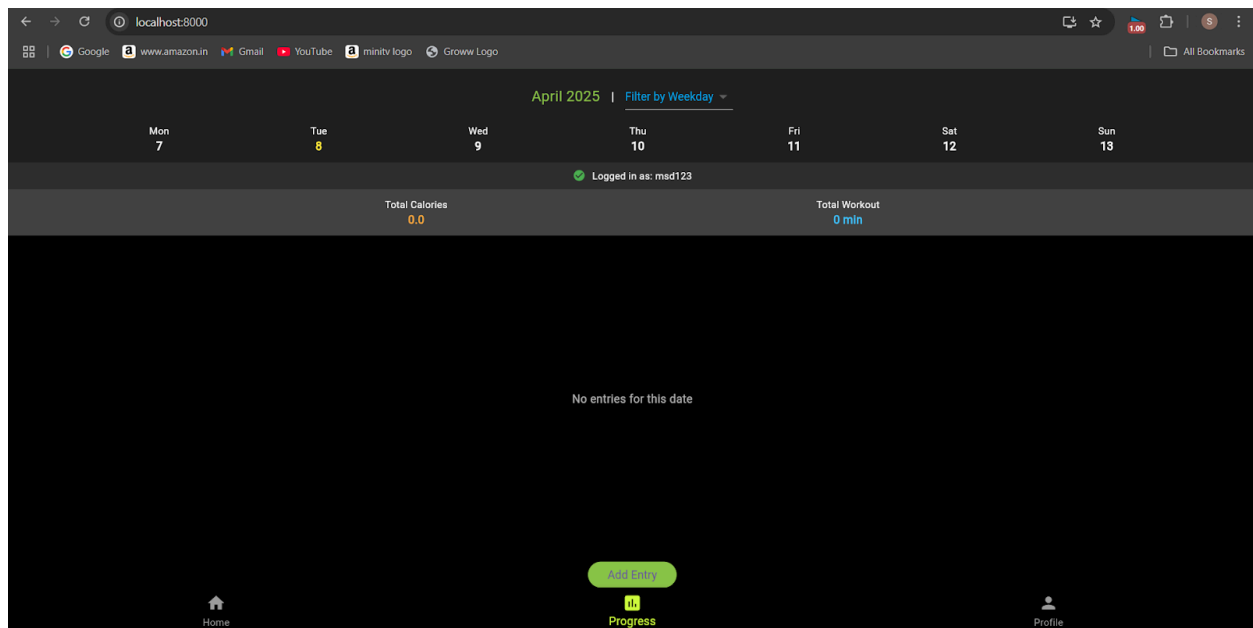
Experiment:7

Aim:To write meta data of your Fitness-app PWA

Theory:

- A Progressive Web App (PWA) is a type of web application that behaves like a native mobile app while being delivered via the web. PWAs support features like offline usage, push notifications, and installation on the home screen, making them ideal for modern, mobile-first users.
- In Flutter, you can turn your web app into a PWA using the flutter build web command and modifying the default PWA configuration. To define how your PWA looks and behaves, you configure the metadata in the web/index.html file and the PWA manifest in web/manifest.json. This includes setting the app name, theme color, background color, icons, description, and more.
- This metadata helps browsers understand how to display and install your PWA, improving discoverability and user experience. It's especially useful for fitness apps to deliver a mobile-first experience, work offline, and reduce the need for app store installation.

Output:



Conclusion:

By adding proper metadata and converting your Flutter app into a PWA, your fitness app becomes more accessible, installable, and engaging on all devices. PWAs combine the reach of the web with the functionality of native apps, ensuring a seamless experience for users who want to stay fit anytime, anywhere.