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#New Technology

(Progressive web app)

## WHAT IS PWA?

Progressive Web Apps were announced by Google in 2015. PWA technology utilizes APIs to create a native-style app experience within a browser. Progressive web apps do not need to be downloaded, yet they can reside permanently on a user's home screen or desktop.

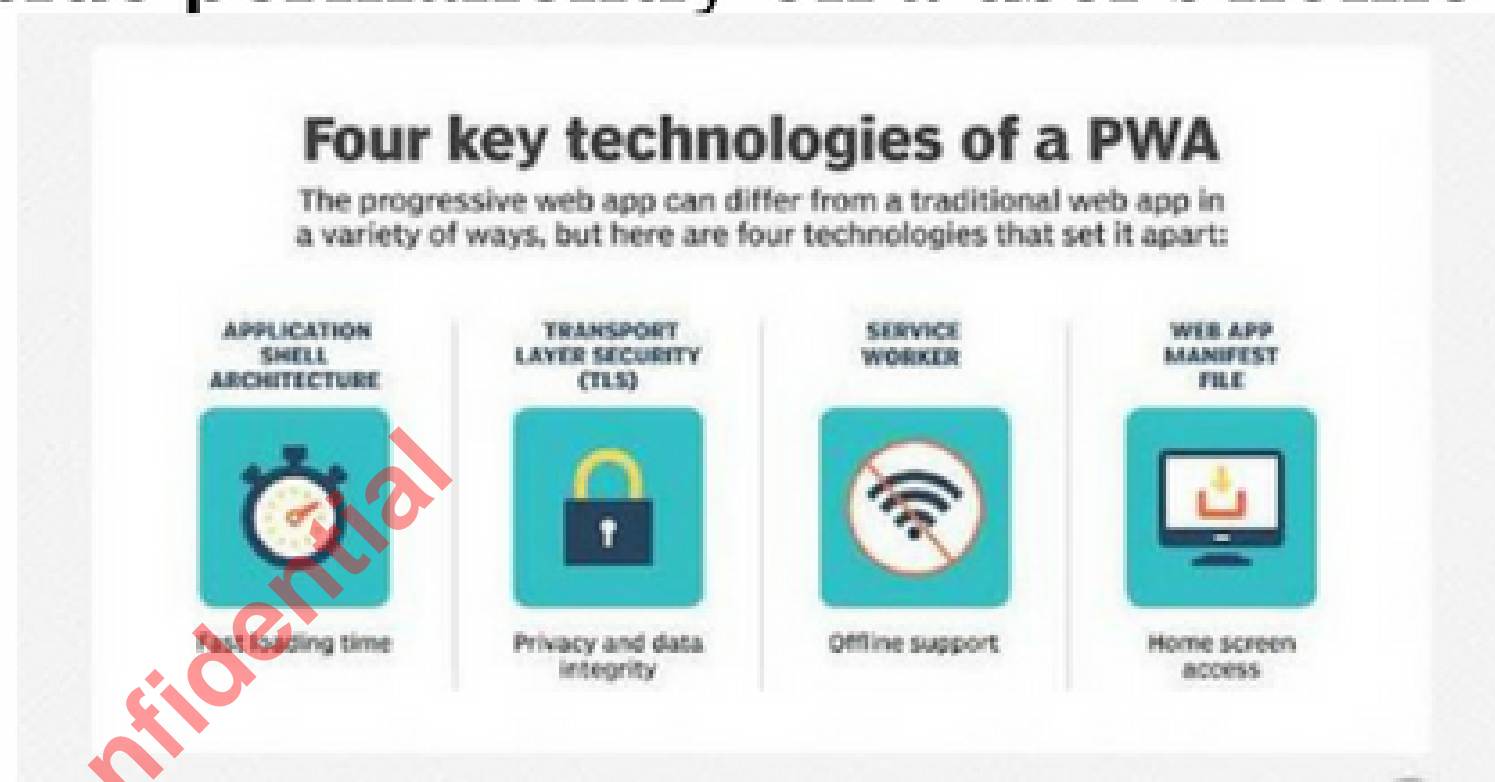
## WHY PWS?



- Compatibility- As it is compatible with all web browsers.
- Responsiveness- It is highly responsive and also increase accuracy.
- works offline- it work offline or on poor-quality networks (with the help of "service worker" scripts). Apps works offline Whether that be displaying a proper "offline" message or caching app data for display purpose.
- GUI(pop-ups)-Support for push notifications, makes it easy for users to re-engage .
- Easy Installation-: like a regular mobile or desktop app we can install it.

• We can use lighthouse-Lighthouse is an open-source, automated tool for improving the quality of web pages. You can run it against any web page, public or requiring authentication. It has audits for performance, accessibility, progressive web apps, and more.

(We can run Lighthouse in Chrome DevTools, from the command line, or as a Node module. We give Lighthouse a URL to audit, it runs a series of audits against the page, and then it generates a report on how well the page did. From there, use the failing audits as



## WHAT MAKES PWA UNIQUE

Service worker could be mentioned in Offline Support, but it really deserves its own section. Service worker provides a programmatic way to cache app resources. Be it JavaScript files or JSON data from a HTTP request. The programmatic API allows developers to decide how to handle caching and provides a much more flexible experience than other options.

## TOP APPLICATION UPDATED/ CREATED ON PWA

- 1) ALI EXPRESS.
- 2) FLIPKART LITE.
- 3) TRIVAGO.
- 4) FORBES.
- 5) TWITTER LITE.
- 6) OLX.

