Progressive Web App

Coming to Tiki21!

Progressive web applications (PWAs) are a type of application software delivered through the web, built using common web technologies including HTML, CSS and JavaScript. They are intended to work on any platform that uses a standards-compliant browser. Functionality includes working offline, push notifications, and device hardware access, enabling creating user experiences similar to native applications on desktop and mobile devices. Since they are a type of webpage or website known as a web application, there is no requirement for developers or users to install the web apps via digital distribution systems like Apple App Store or Google Play.

While web applications have been available for mobile devices from the start, they have generally been slower, have had fewer features, and been less used than native apps. But with the ability to work offline, previously only available to native apps, PWAs running on mobile devices can perform much faster and provide more features, closing the gap with native apps, in addition to being portable across both desktop and mobile platforms.

PWAs do not require separate bundling or distribution. Publication of a progressive web app is as it would be for any other web page. PWAs work in any browser, but "app-like" features such as being independent of connectivity, install to home screen, and push messaging depend on browser support. As of April 2018, those features are supported to varying degrees by the Microsoft Edge, Google Chrome, Mozilla Firefox and Apple Safari browsers, but more browsers may support the features needed in the future. Several businesses highlight significant improvements in a wide variety of KPIs after PWA implementation, like increased time spent on page, conversions, or revenue.

Source: https://en.wikipedia.org/wiki/Progressive_web_applications

See also: Offline

This is next natural step for some of Tiki's features

Examples

- Offline tracker reports
- Offline tracker data entry

Related links

- https://git.kolab.org/diffusion/RPK/browse/dev%252Fpwa/plugins/pwa/
- https://developers.google.com/web/progressive-web-apps/checklist#baseline
- https://rollout.io/blog/progressive-web-app-running-20-minutes/
- https://github.com/whiteswift/pomodoro-pwa
- https://github.com/lukeed/pwa
- https://github.com/roundcube/elastic/issues/19
Conferences

- https://fosdem.org/2020/schedule/event/are_pwas_ready_to_take_over_the_world/
  - https://fosdem.sojourner.rocks/event/10109

alias

- PWA
- Progressive Web Apps