Progressive Web Apps

Lightning Talk

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January 19th, 2017

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What are >>Progressive Web Apps<<?

Progressive Web Apps are simple web pages with special characteristics:

Reliable

The web page loads really fast even on bad network connectivity or in offline mode.

Fast and snappy

The web page responds quickly to user interactions, often with fluffy animations.

Engaging

The web page feels like a native App, but it has the reachability of a common website.

Example: https://preactjs.com/

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What is technically behind that?

Service Worker

It offers a caching mechanism. The whole website can be cached. That's why a Progressive Web App loads fast and is usable even in offline mode.

Optionally it can be used to even handle push notifications.

Web App Manifest

It makes the website installable at the home screen on a mobile device. An app icon and a splash screen can be defined.

The website is launched in full screen mode.

Example: https://preactjs.com/manifest.json

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Is >>ergovia.de<< a true Progressive Web App?

Lighthouse

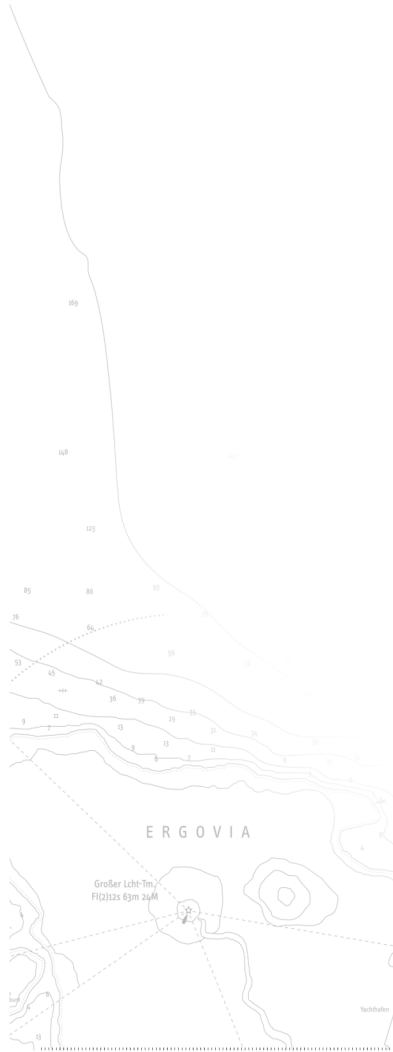It is a handy tool to check whether your web page is a Progressive Web App or not.

It is an extension for the Chrome browser.

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Whose idea was that? (Wer hat's erfunden?)

Thank you! Questions?

Will we implement exclusively holy Progressive Web Apps in the future?

Do we still need to publish a mobile app in the Google Play Store or in the App Store?

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