

Progressive Web Apps

9. AUGUST 2019

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TRIFORK
...think software

Who are we?

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Agenda

- ① PWA features
- ② Projects
- ③ Pros and cons
- ④ Wrap up

PWA Features

No app store

- Release delays:
 - App Store - 7 days
 - Play Store - 1 day
- Ethic guidelines
 - Gambling
 - “Adult” apps
 - Political apps (Amazon app store)
- Google or Apple decides
 - Jesperhus feriepark

Target demographic friendly

No app store

No user account for installation

No login

No requirements for commission by app stores (30%)

One Codebase

- Desktop, iOS, Android, SmartTV or even your fridge?
- One development language across platforms
- One development environment / Setup
- Same APIs across platforms
- Cheaper

Works offline

Locations with very bad wireless reception

Locations with expensive payment plans for data

Use workbox or other generators

Evergreen

- PWAs handle updates
- No submission or review process by 3rd parties

Projects

- ReQbo
- Unnamed project



ReQbo - Why PWA?

- Unknown or varied devices (models, makes, types)
- Fast turnaround time / Time to user
- Complex graphics
- Approval of apps

Unnamed project challenges

- Faced potential issues with guidelines on Play Store in different countries.
- Native app feel
 - Automatic video playback - safari
- Backgrounding of apps
- Storage
- Performance
 - Complex scroll/swipe interaction.
- Layout of top-bar and bottom-bar of the browser

Cons

- iOS
 - - Manifest
 - - Native services
 - - Installation API
 - - Launch images
- Offline storage
- Native performance

Wrap up

Good for prototypes

Good for simple apps

Not for iOS users (generally)

Easy learning curve for non-native developers

New technology, volatile

Some upcoming requirements can be hindered by technology limitations.



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Links

Learn Service workers: <https://serviceworker.rs/>

Learn about APIs: <https://developer.mozilla.org/en-US/>

Google Workbox: <https://developers.google.com/web/tools/workbox/>

Browserstack: <https://www.browserstack.com/>