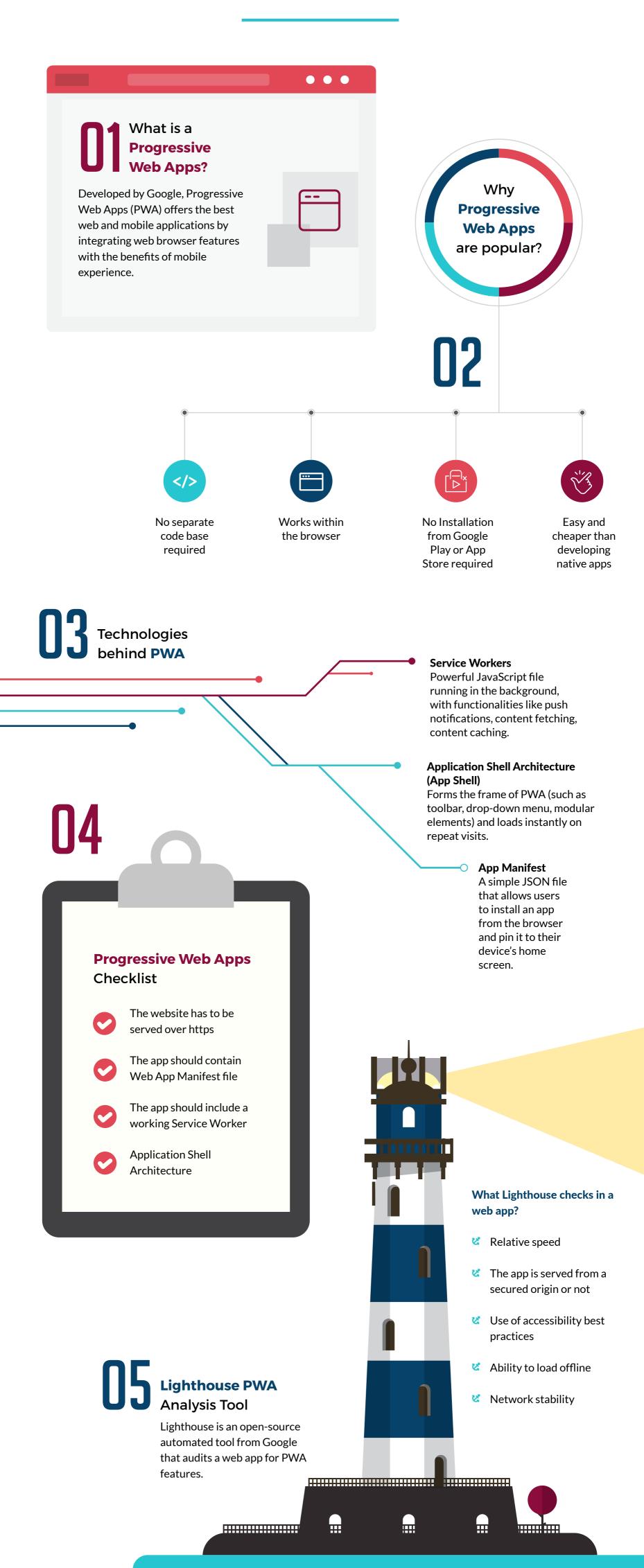


PROGRESSIVE WEB APP (PWA)



STAGE 1 Early 90s websitesplain collection of links and texts.

Where did

Progressive Web Apps come from?



Progressive App vs
Native App

Progressive

App

Remains up-to-date Easy sharing via **URLs** and social

PROS

Zero installation

Easy to develop

Can work offline or in low internet connectivity

platforms

Features like NFC, Proximity sensors,

CONS

Slow and consumes

Not supported by

iOS web browsers

more battery

bluetooth not accessible Doesn't support cross-application logins

like Safari

STAGE 2

Arrival of scripting

languages and

ASP.

frameworks like

PHP, ColdFusion,

- **PROS** More secure and

Native

App

• With Ajax, web applications started behaving truly

STAGE 3

Introducing Ajax

dynamic.

- Ajax had few shortcomings:-Reduced functionality
 - incompatible browser Back button

for JS -

<u>Inaccessible</u> contents due to poor JS

execution

functionality problems

• With continued development of CSS3, JavaScript, and HTML5, more

powerful browsers

paved the way for

- hybrid apps. • Ultimately, it led to **Progressive Web** Apps.
- Intense competition

with other apps & App

power their content and

• Depends on APIs to

infrastructure

Higher maintenance

Integrating contents

customers

expectations of

• Easier integration of

Fast-running native

mobile app codes

new features

Meets UI and UX

Easy discovery in App stores

reliable

takes time Additional costs incurred

CONS

fatigue

cost

• Can run offline and in poor-quality networks Works on every phone, every browser, every time

Benefits of using Progressive Web Apps

Navigates like a website, feels and look like an app Loads faster and secured than traditional websites

Makes re-engagement easy with push notifications

• Brings native app features to the mobile browser experience

twitter >

Twitter Lite PWA became default mobile web

Increase of 75% tweets, 65%

pages per sessions, 20%

decrease in bounce rates

- experience for all users in Progressive Web Apps April 2017

The Washington Post

seen a 23 percent increase

search users who return to

in the number of mobile

- 88 percent performance improvement over their traditional mobile website PWA technology has also
- the site within 7 days

- Alibaba.com The PWA strategy helped in 76 percent increase of total
- conversions

Android.

"Add to HomeScreen" feature increased active user rates by 14% on iOS and 30% on

Forbes

- Forbes.com mobile apps now loads in 0.8 seconds Forbes developed Fluid, in-house advertising for

faster loading on mobile

devices