

04.HTML 5

2 décembre 2024

Développement web il3

HTML5

HE-Arc 2024 DGR

Exemples

- Vue d'ensemble :
 - html vs html5¹
 - Slides html5 rocks !² Google 2011 (sources³)
 - Obsolète : ~~quota~~, ~~web-sql~~ : Web Storage, ~~application-cache~~ : Service Workers
 - MDN Web APIs⁴
- Plein d'exemples
 - What web can do today?⁵
 - Chrome Experiments⁶
 - API d'accès à la caméra⁷, avec du webGL⁸...
 - html5 demos⁹ (sponsorisé), Showcase Hongkiat¹⁰, LACIS (TB NIFFF 2014)

¹<https://www.wscubetech.com/blog/html-vs-html5/>

²<https://web.archive.org/web/20140320042652/http://slides.html5rocks.com>

³<https://github.com/html5rocks/slides.html5rocks.com>

⁴<https://developer.mozilla.org/en-US/docs/Web/API>

⁵<https://whatwebcando.today/>

⁶<https://www.chromeexperiments.com/>

⁷<https://www.soundstep.com/blog/experiments/jsdetection/>

⁸<https://auduno.github.io/clmtrackr/examples/facesubstitution.html>

⁹<https://bestvpn.org/html5demos/>

¹⁰<https://www.hongkiat.com/blog/48-excellent-html5-demos/>

- Veille : Frontend Focus¹¹ (newsletter)
- Disponibilité dans les navigateurs CanIUse.com¹²

Progressive Web Apps

- Priorité à l'UX
- Utilise moins d'espace qu'une app native
- Avantages des 2 mondes (natif et web)
- Article¹³ d'Alex Russel 15.06.15
- Vue d'ensemble par Wikipedia¹⁴
- Support tardif d'iOS¹⁵ (notification: iOS16, install banner: iOS17)

PWA : howto

- Learn PWA¹⁶
- Portabilité : Progressive Enhancement¹⁷
- Rapidité : App Shell¹⁸, cache
- Offline : Service Workers¹⁹
- Install Banner²⁰ : HTTPS, WebApp Manifest, SW, 2 visits
- Tests²¹ : Lighthouse en automatise une partie

Exemples et tutos

- Exemples
 - What PWA can do today²²
 - Project Fugu²³
 - Awesome PWA²⁴

¹¹<https://frontendfoc.us/>

¹²<https://caniuse.com/>

¹³<https://infrequently.org/2015/06/progressive-apps-escaping-tabs-without-losing-our-soul/>

¹⁴https://en.wikipedia.org/wiki/Progressive_web_app

¹⁵<https://firt.dev/notes/pwa-ios/>

¹⁶<https://web.dev/learn/pwa>

¹⁷<https://www.smashingmagazine.com/2009/04/progressive-enhancement-what-it-is-and-how-to-use-it/>

¹⁸<https://developers.google.com/web/updates/2015/11/app-shell>

¹⁹<https://jakearchibald.com/2014/service-worker-first-draft/>

²⁰<https://developers.google.com/web/fundamentals/app-install-banners/>

²¹<https://developers.google.com/web/progressive-web-apps/checklist>

²²<https://whatpwacando.today/>

²³<https://developer.chrome.com/docs/capabilities/fugu-showcase?hl=fr>

²⁴<https://github.com/hemanth/awesome-pwa>

- Appscope²⁵
- Tutos
 - Getting started with PWA²⁶
 - Your 1st PWA²⁷
 - HN PWA²⁸

Sources

²⁵<https://appsco.pe/>

²⁶<https://addyosmani.com/blog/getting-started-with-progressive-web-apps/>

²⁷<https://developers.google.com/web/fundamentals/codelabs/your-first-pwapp/>

²⁸<https://hnpwa.com/>