

04.HTML 5

6 novembre 2023

Développement web il3

HTML5

HE-Arc 2023 DGR

Exemples

- Vue d'ensemble : slides¹ Google 2011 (sources²)
 - Obsolète : ~~quota~~, ~~web-sql~~ : Web Storage, ~~application-cache~~ : Service Workers
- API d'accès à la caméra³, avec du webGL⁴...
- Bachelor NIFFF 2014 : une webapp mobile pour LACIS
- Plein d'exemples
 - html5 rocks!⁵ => web.dev⁶
 - Chrome Experiments⁷
 - MDN⁸
 - html5 demos⁹
 - plus de demos ?¹⁰

¹<https://web.archive.org/web/20140320042652/http://slides.html5rocks.com>

²<https://github.com/html5rocks/slides.html5rocks.com>

³<https://www.soundstep.com/blog/experiments/jsdetection/>

⁴<https://auduno.github.io/clmtrackr/examples/facesubstitution.html>

⁵<https://www.html5rocks.com/>

⁶<https://developers.google.com/web/>

⁷<https://www.chromeexperiments.com/>

⁸<https://developer.mozilla.org/en-US/demos/tag/tech:html5>

⁹<https://html5demos.com/>

¹⁰<https://letmegooglethat.com/?q=html5+demos>

- Veille : Frontend Focus¹¹ (newsletter)
- Disponibilité dans les navigateurs CanIUse.com¹², What web can do today?¹³

Progressive Web Apps

- Priorité à l'UX
- Utilise moins d'espace qu'une app native
- Avantages des 2 mondes (natif et web)
- Article¹⁴ d'Alex Russel 15.06.15
- Vue d'ensemble par Wikipedia¹⁵
- Support tardif par iOS¹⁶ (notification: iOS16, install banner: iOS17)

PWA : howto

- 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
 - Appscope²⁵

¹¹<https://html5weekly.com/>

¹²<https://caniuse.com/>

¹³<https://whatwebcando.today/>

¹⁴<https://infrequently.org/2015/06/progressive-apps-escaping-tabs-without-losing-our-soul/>

¹⁵https://en.wikipedia.org/wiki/Progressive_web_app

¹⁶<https://firt.dev/notes/pwa-ios/>

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/blog/fugu-showcase/>

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

²⁵<https://appsco.pe/>

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

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/>