

04.HTML 5

29 janvier 2018

Développement web dlm3

HTML5

HE-Arc 2017/18 DGR

Exemples

- Vue d'ensemble : slides¹ Google 2011 (sources²)
- API d'accès à la caméra³
 - ... saupoudré de webGL⁴...
- Bachelor NIFFF 2014 : une webapp mobile pour LACIS
- Plein d'exemples
 - html5 rocks!⁵ => Web Fundamentals⁶
 - Chrome Experiments⁷
 - MDN⁸
 - html5 demos⁹
 - plus de demos ?¹⁰
- Veille : Frontend Focus¹¹ (newsletter)

¹<http://web.archive.org/web/20150525080904/http://slides.html5rocks.com/#landing-slide>

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

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

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

⁵<http://www.html5rocks.com/>

⁶<https://developers.google.com/web/>

⁷<http://www.chromeexperiments.com/>

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

⁹<http://html5demos.com/>

¹⁰<http://bit.ly/VJaqjb>

¹¹<http://html5weekly.com/>

Progressive Web Apps

- Priorité à l'UX
- Utilise moins d'espace qu'une app native
- Avantages des 2 mondes (natif et web)
- Article¹² d'Alex Russel 15.06.15
- Vue d'ensemble par Wikipedia¹³
- Partiellement supporté par iOS¹⁴ (support SW en dev)

PWA : howto

- Portabilité : Progressive Enhancement¹⁵
- Rapidité : App Shell¹⁶, cache
- Offline : Service Workers¹⁷
- Install Banner¹⁸ : HTTPS, WebApp Manifest, SW, 2 visits
- Tests¹⁹ : Lighthouse en automatise une partie

Exemples et tutos

- Exemples
 - PWA rocks²⁰
 - HN PWA²¹
 - Gokulakrishnan Kalaikovan²²
- Tutos
 - Getting started with PWA²³
 - Your 1st PWA²⁴
- Awesome PWA²⁵

¹²<https://infrequently.org/2015/06/progressive-apps-escaping-tabs-without-losing-our-soul/>

¹³https://en.wikipedia.org/wiki/Progressive_web_app

¹⁴<https://stackoverflow.com/questions/41185471/what-is-progressive-web-app-solution-for-ios>

¹⁵<https://www.smashingmagazine.com/2009/04/progressive-enhancement-what-it-is-and-how-to-use-it/>

¹⁶<https://developers.google.com/web/updates/2015/11/app-shell>

¹⁷<https://jakearchibald.com/2014/service-worker-first-draft/>

¹⁸<https://developers.google.com/web/fundamentals/app-install-banners/>

¹⁹<https://developers.google.com/web/progressive-web-apps/checklist>

²⁰<https://pwa.rocks/>

²¹<https://hnpwa.com/>

²²<https://github.com/gokulkrishh>

²³<https://addyosmani.com/blog/getting-started-with-progressive-web-apps/>

²⁴<https://developers.google.com/web/fundamentals/codelabs/your-first-pwapp/>

²⁵<https://github.com/hemanth/awesome-pwa>

Sources