04.HTML 5

20 novembre 2017

Développement web dlm3

HTML5

HE-Arc 2017/18 DGR

Exemples

- Vue d'ensemble : slides[1] Google 2011 (sources[2])
- API d'accès à la caméra[3]
    - … saupoudré de webGL[4]…
- Bachelor NIFFF 2014 : une webapp mobile pour LACIS
- Plein d'exemples
    - html5 rocks ![5] => Web Fundamentals[6]
    - Chrome Experiments[7]
    - MDN[8]
    - html5 demos[9]
    - plus de demos ?[10]
- Veille : Frontend Focus[11] (newsletter)

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[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)
- Article[12] d'Alex Russel 15.06.15
- Vue d'ensemble par Wikipedia[13]
- Partiellement supporté par iOS[14] (support SW en dev)

PWA : howto

- Portabilité : Progressive Enhancement[15]
- Rapidité : App Shell[16], cache
- Offline : Service Workers[17]
- Install Banner[18] : HTTPS, WebApp Manifest, SW, 2 visits
- Tests[19] : Lighthouse en automatise une partie

Exemples et tutos

- Exemples
  - PWA rocks[20]
  - HN PWA[21]
  - Gokulakrishnan Kalaikovan[22]
- Tutos
  - Getting started with PWA[23]
  - Your 1st PWA[24]
- Awesome PWA[25]

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[12] https://infrequently.org/2015/06/progressive-apps-escaping-tabs-without-losing-our-soul/
[13] https://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