04.HTML 5

19 décembre 2023

Développement web il3

HTML5

HE-Arc 2023 DGR

Exemples

- Vue d'ensemble : slides[1] Google 2011 (sources[2])
    - Obslolète : ~~quota~~, ~~web sql~~ : Web Storage, ~~application cache~~ : Service Workers
- API d'accès à la caméra[3], avec du webGL[4]...
- Bachelor NIFFF 2014 : une webapp mobile pour LACIS
- Plein d'exemples
    - html5 rocks![5] => web.dev[6]
    - Chrome Experiments[7]
    - MDN[8]
    - html5 demos[9]
    - plus de demos ?[10]

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[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 Focus[11] (newsletter)
- Disponibilité dans les navigateurs CanIUse.com[12], 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)
- Article[14] d'Alex Russel 15.06.15
- Vue d'ensemble par Wikipedia[15]
- Support tardif par iOS[16] (notification: iOS16, install banner: iOS17)

PWA : howto

- Portabilité : Progressive Enhancement[17]
- Rapidité : App Shell[18], cache
- Offline : Service Workers[19]
- Install Banner[20] : HTTPS, WebApp Manifest, SW, 2 visits
- Tests[21] : Lighthouse en automatise une partie

Exemples et tutos

- Exemples
    - What PWA can do today[22]
    - Project Fugu[23]
    - Awesome PWA[24]
    - Appscope[25]

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[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/

[15] https://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 PWA[26]
    - Your 1st PWA[27]
    - HN PWA[28] # 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/