



Clever Age
Digital Architecture

Paris-Web 2009

Le Web en Offline avec Gears et HTML5



Clever Garden
Digital Landscape



Gears ?



LocalServer

WorkerPool

Database



Desktop

Geolocation

HttpRequest

Timer



Stockage local

**CSS,
JavaScript,
Images,
etc.**



ResourceStore

vs.

ManagedResourceStore



SQLite

**Database,
Query,
Transaction**



Tâche de fond

Asynchrone
+
Multi-tâches
=
Bus de données



Coordonnées GPS

**GSM,
Wi-Fi**



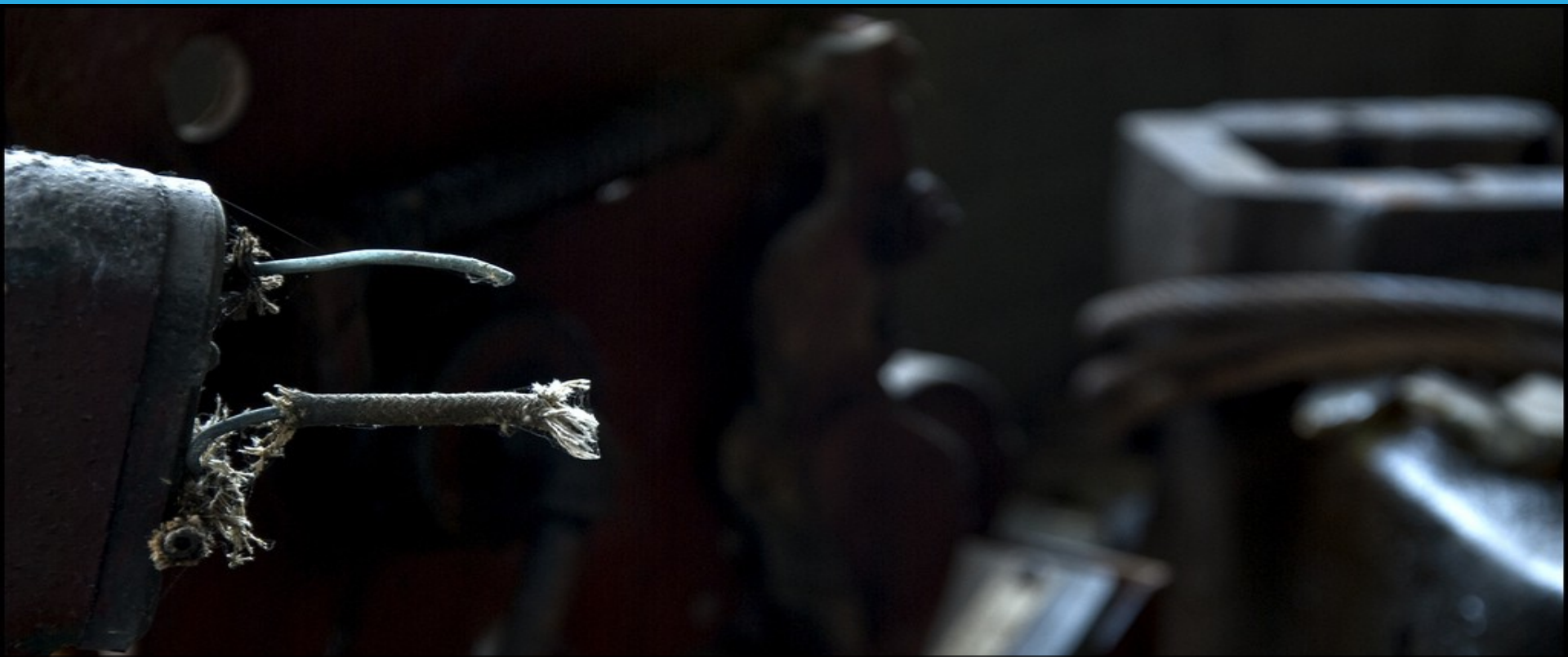
Web App

**Raccourci bureau,
Drag 'n drop,
Accès fichiers,
Upload multi-fichiers**



Factory

**Timer,
HttpRequest,
Canvas,
Blob/BlobBuilder**

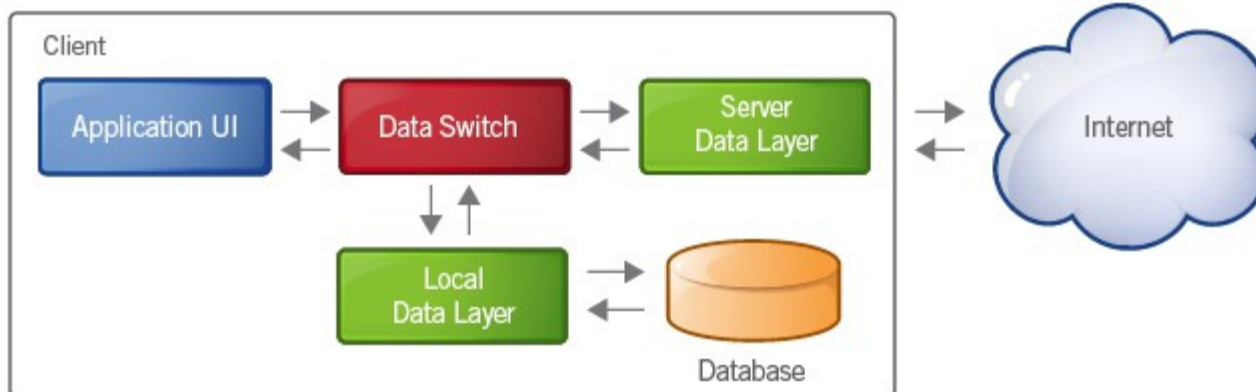


Offline ?



Stratégie

Automatique,
À la demande,
Hybride



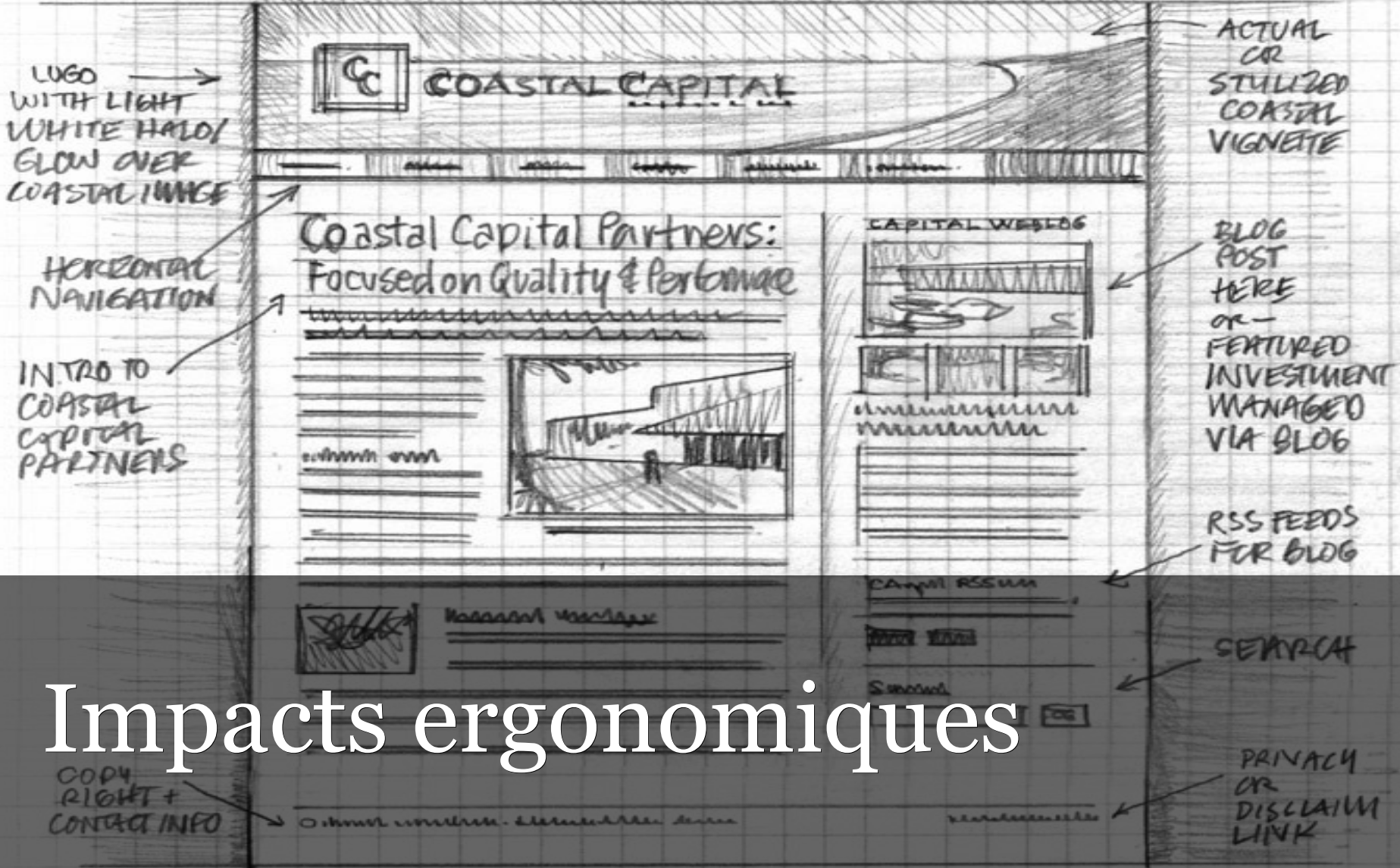


Détection

AJAX 404

=



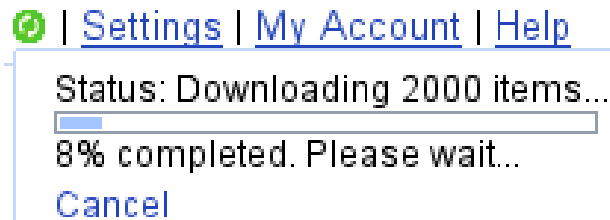


Impacts ergonomiques



UI / UX

Online <> Offline Retours utilisateur





Permissions



A black and white photograph of four LEGO minifigures dressed as soldiers, wearing helmets and standing on a rocky mountain peak. They are holding a large American flag on a black pole. The background is a plain, light-colored sky.

Quels sont les gains ?



Performances, Extensibilité d'applications, X-Platform / X-Browser

...

Web App !



Mais ...

Architecture ++,
Code ++,
Maintenance ++,
Skills ++



De Gears à HTML5

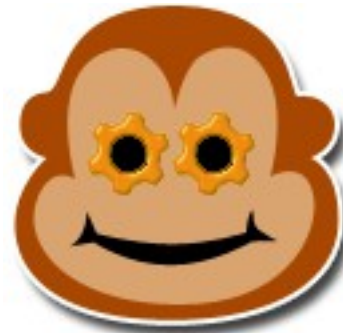


Gears	HTML5 / W3C
Database	Web Database w3.org/TR/webdatabase/
Desktop	User Interaction + File API w3.org/TR/file-upload/ w3.org/TR/html5/editing.html
Geolocation	Geolocation w3.org/TR/geolocation-API/
LocalServer	Offline Web Applications w3.org/TR/offline-webapps/
-	Web Storage w3.org/TR/webstorage/
WorkerPool	Web Workers w3.org/TR/workers/



MySpace Mail
YouTubE
Google Reader
Google Docs
Zoho Writer
Remember The Milk

...





<http://code.google.com/apis/gears>

<http://groups.google.com/group/gears-users/>

<http://gearsblog.blogspot.com/>

<http://code.google.com/p/joose-js/>

<http://code.google.com/p/gears-dblib/>

<http://code.google.com/p/webstorageportabilitylayer/>



À bientôt sur le Web ... online ;-)

twitter.com/oncletom
case.oncle-tom.net

twitter.com/cleverage
clever-age.com

<http://www.slideshare.net/oncletom/le-web-en-offline-avec-gears-et-html5-2183309>



**D'avenir ?
De questions ?
De trolls ?**