

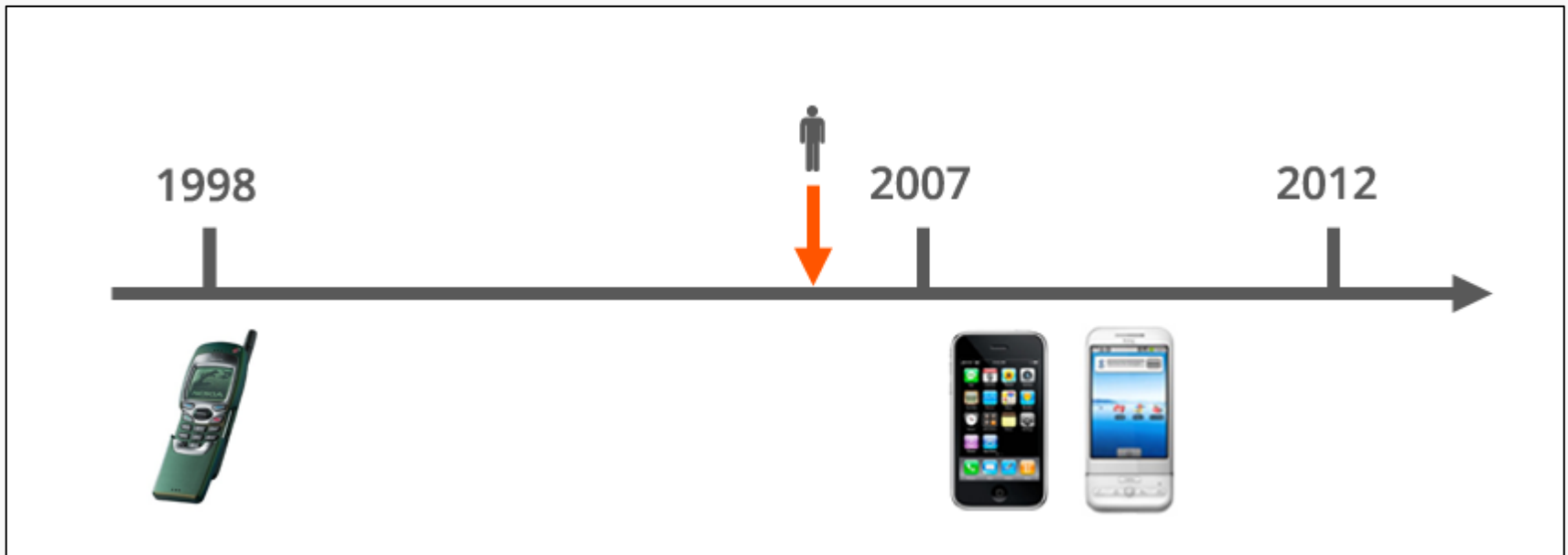
WINK AND THE MOBILE WEB INNOVATION

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About me

I missed the glory days of the WAP but started building mobile web apps before iOS and Android arrived



Different context

Different interaction methods

- touch screen
- pointer based

Small screen sizes

Limited device capabilities

Different networks



Different expectations

Users want beautiful designs

- mostly inspired by apps

Users want applications that are adapted to their devices

- sliding / scrolling
- adapted to touch screens
- no need to zoom-in

Users want responsiveness



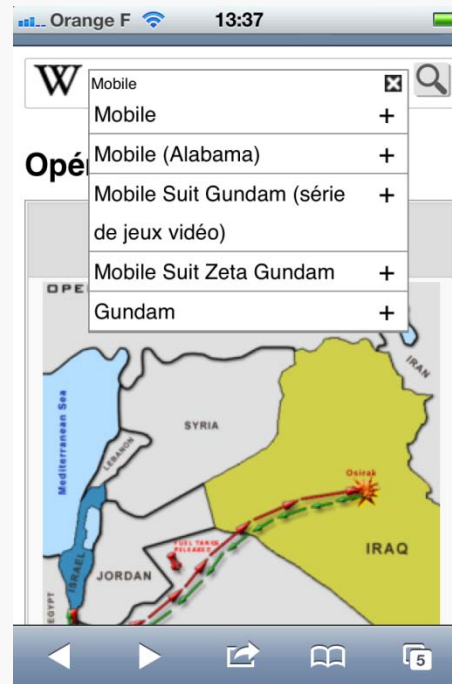
Different expectations



Wikipedia from a nokia S60 browser

←
Before

Now
→



Wikipedia from mobile Safari on iOS



Twitter web app from mobile Safari on iOS

Different expectations

User are even looking for fun/disruptive experiences

- Touch / Gestures / HTML5 / CSS3
- Take advantage of the mobile specific APIs
 - geolocation
 - device orientation
 - getUserMedia
 - ...

For all these reasons
we built **WINK**

What is Wink ?

a research project since

2008

a mobile JavaScript Framework since

2009

an Open Source mobile JavaScript Framework since

2010

our goal:

providing you the right tools for
building great mobile webapps

Where can you use Wink ?

On Mobiles

On Tablets



Not on Desktop

Not on TV

Not on Spaceships

Not on Connected Fridge



Compatibilities

iOS



Android



BlackBerry



Bada



Opera Mobile, Firefox Mobile



Windows Phone 7



What can you build with Wink ?

Full Web Applications

Hybrid Applications

What can you build with Wink ?

Simple web apps

- forms, lists, buttons...

Complex web apps

- scroller, sliding panels, carousels, tabs, D&D...
- see the “kitchensink” web app

Totally new experiences

- Brand new components: 3D, tag clouds, gesture recognition, advanced touch effects, device orientation...
- see the “tweet and flick” web app

Characteristics

Wink is small, very small because mobile networks are sllooowww

- Wink Core: **20 kB** minified ; 7kB gzipped
- jQuery mobile + jQuery core : **171 kB** minified ; 61kB gzipped
- Sencha touch core: **90 kB** minified ; 32kB gzipped

Better Startup times

- Easy Caching: replicate the Application Cache behavior with storage APIs

Mobile users don't like to wait (no more than 5s)

Characteristics

Wink is easy to use

- simple syntax
- not too many abstraction layers

```
wink.query( '.myclass' )  
    .addClass( 'active' )  
    .translate(10, 5)  
    .onTransitionEnd(myfunction);
```

Characteristics

Wink performances have been optimized because mobile device are not all that powerful

- optimized animations

- transforms VS properties animations VS JS animations
- avoid flickering

- To be able to stand the comparison with native apps

Not Just JS

Wink build tools helps you optimize your web app

- Create profiles to build per-platform / per-OS versions of Wink
 - I.e.: coverflow on iOS / carousel as a fallback
 - Different implementations
- Can be used with server side detection systems like WURFL
- Can be used to generate the right library package on the fly
- Can even be used to build your own optimized version of Wink core

Build profile example

```
{
  "build": {
    "jsFile": "wink-VERSION-PROFILE-TARGET.js",
    "cssFile": "wink-VERSION-PROFILE-TARGET.css",
    "version": "1.4.2",
    "defaultLocaleList": [ "en_EN" ]
  },
  "profiles": [
    {
      "name": "default",
      "modules": [
        // CORE
        "core",
        // UI
        "coverflow"
      ],
      "css": [
        "_themes/wink.css"
      ]
    }
  ]
}
```

Mixing Wink with other libraries

Wink implements AMD

- Asynchronous Module Definition
- it can be used with any AMD loader like requireJS

Mixing Wink and Dojo Mobile

Mixing Wink and jQuery

- beware of duplicate code

WINK

in a real life example

Wink in a real life example

m.orange.fr

- The new French Orange iPhone portal
- Millions of mobile web users

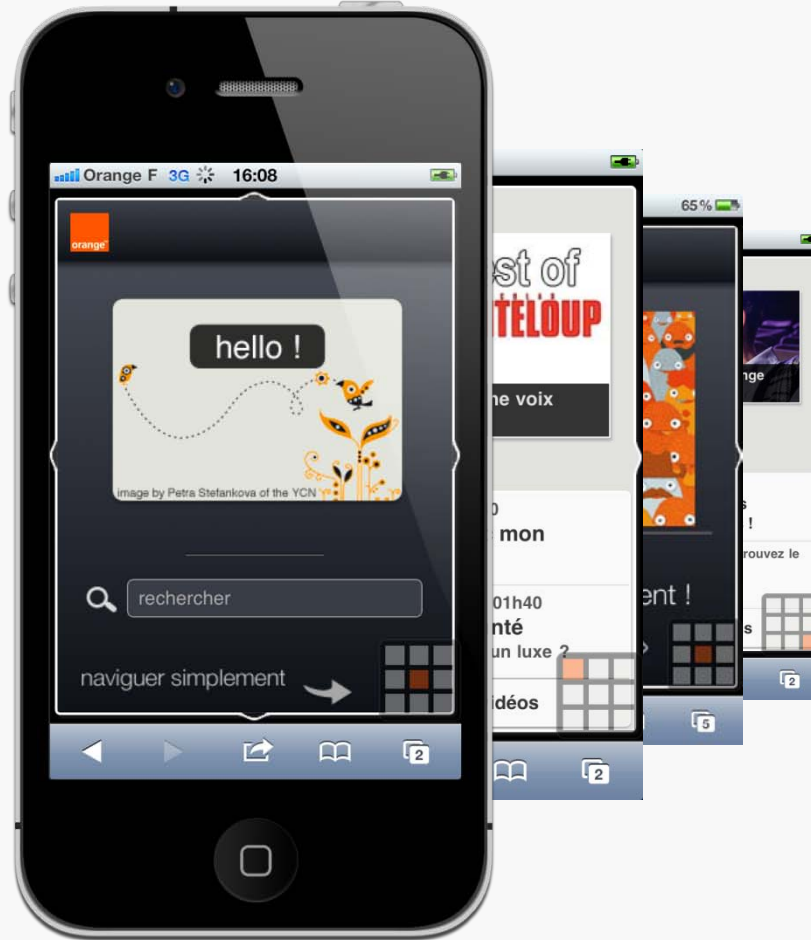
A disruptive user experience

A small team (dev + design) working together

m.orange.fr



Before



Now

m.orange.fr

<http://www.youtube.com/watch?v=I7jcl2QILZM>

74/100

The best score ever obtained for an Orange service

Customer Test Center

in real life:

mobile web users are
not afraid of changes

Start right now

www.winktoolkit.org

-

github.com/winktoolkit

-

twitter.com/winktoolkit

THANK YOU

and see you soon on winktoolkit.org