

OS, Apps, Web apps, Chatbot



iOS



LINEAGE TIZEN™

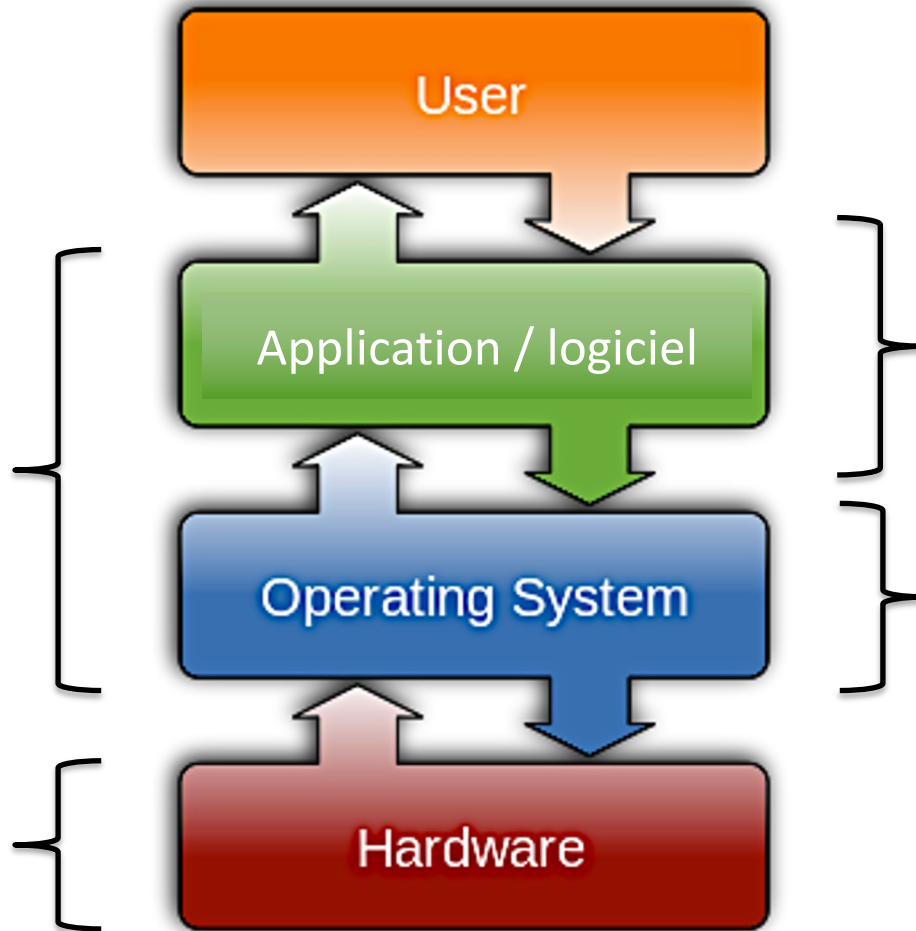


Définitions

Contenu

Logicielle

Matérielle



- Apps
- Navigateur



Plan du cours

Systeme d'exploitation



Application / logiciel

- App native
- Web App
- Chatbot



OS libres vs. Propriétaires & Constructeurs

OS



iOS

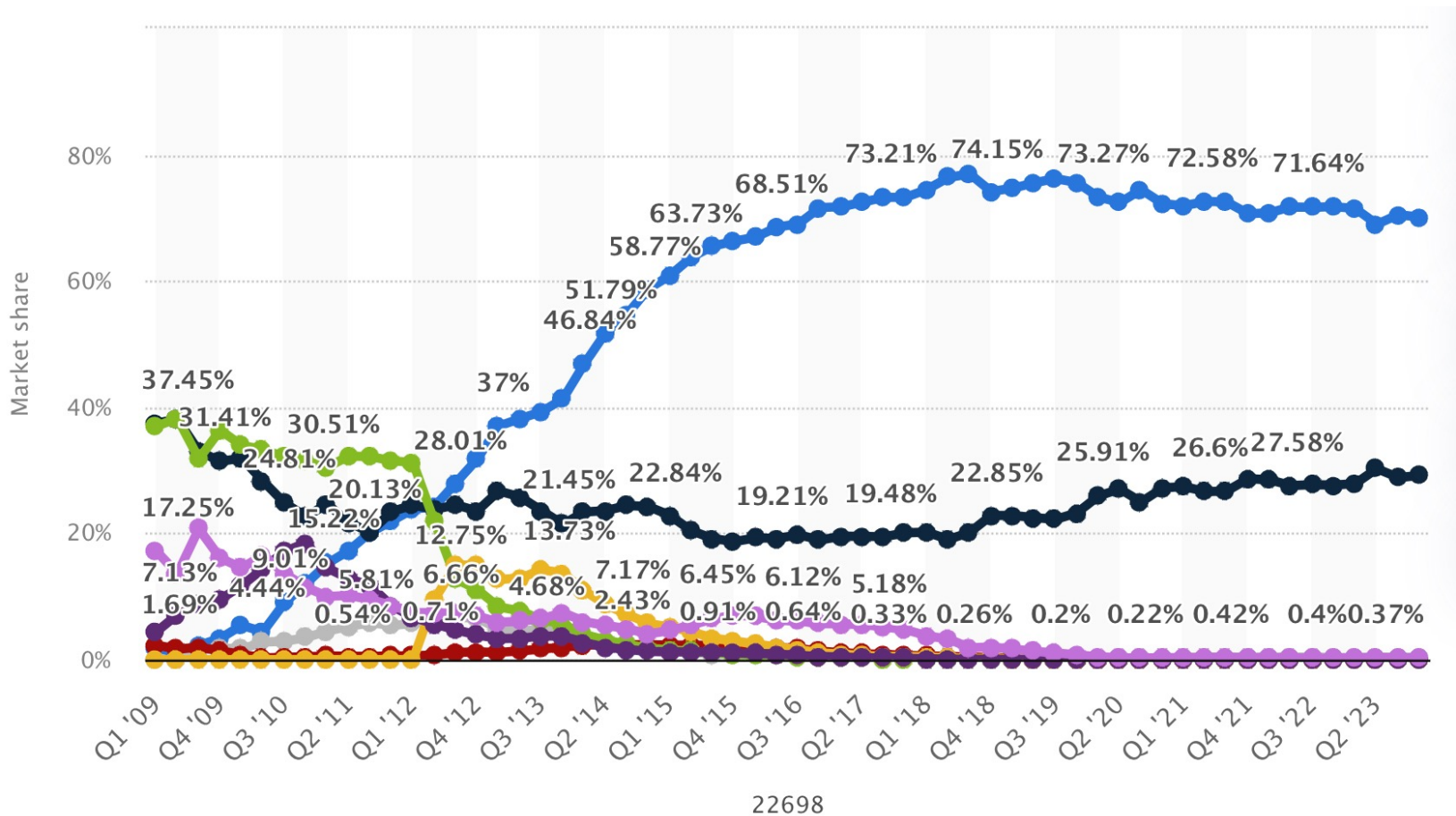
 Windows 10



Constructeurs



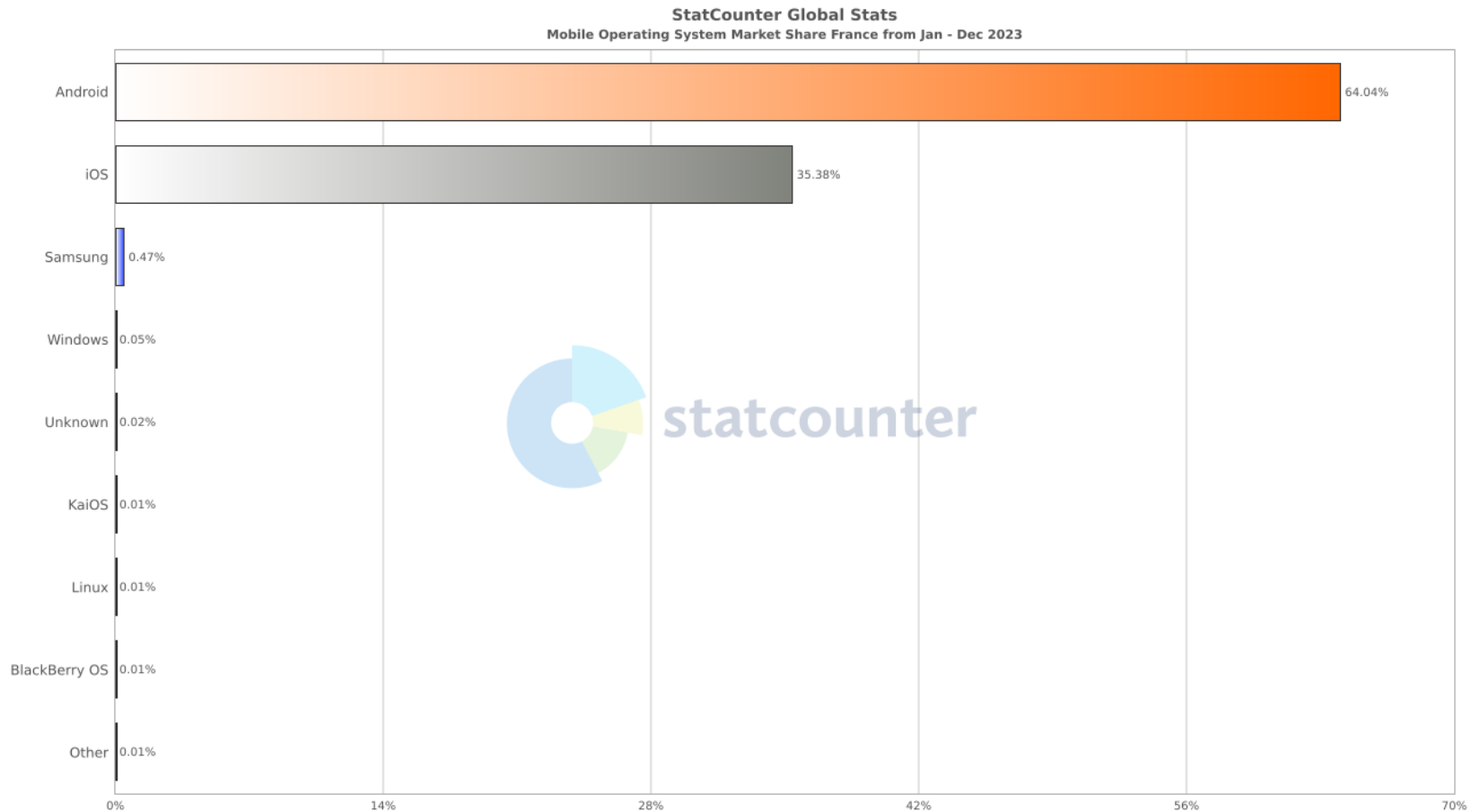
Mobile Operating System Market Share Worldwide 2009 to 2023



- Android
- iOS
- Samsung
- Windows Phone
- Symbian OS*
- Series 40 (Nokia)*
- BlackBerry OS
- Unknown / Other

Mobile Operating System Market Share France

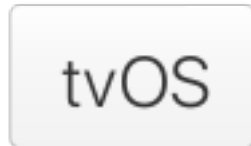
Jan - Dec 2023



OS des objets connectés et des capteurs de l'Internet des objets



Apple



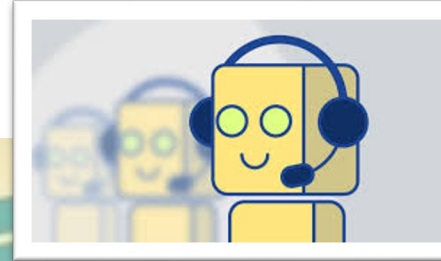
Contiki

The Open Source OS for the Internet of Things



O10ée

Web vs. Apps



Native

Advanced UI interactions
Fastest performance
App store distribution

iOS



single platform

full capability

Hybrid

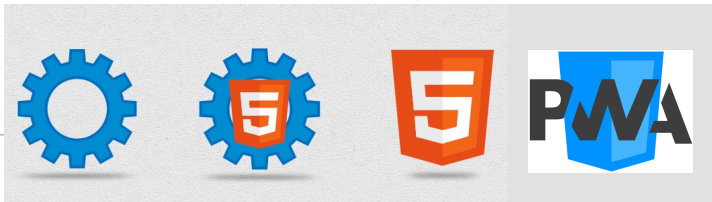
Web developer skills
Access to native platform
App store distribution

multiple platforms



Web developer skills
Instant updates
Unrestricted distribution

partial capability





**Progressive Web Apps
vs
Native Apps**



Applications natives

Native

Hybrid

No code
App Builder





Apps Native, SDK et Store

Environnement

Langage

IDE

Store



Objective-C et Swift



IDE : Xcode



<https://developer.apple.com/develop/>



Java et XML



 eclipse
IDE : Android Studio



<https://developer.android.com/studio/index.html>



Hybrid apps

NATIVE CONTAINERS



iOS - xCode/Objective-C
Android - Eclipse/Java
Windows - Visual Studio/C#

MOBILE WEB



HTML
CSS
JavaScript

Hybrid Application



Comparateur de Framework mobile

<http://mobile-frameworks-comparison-chart.com/>

mobile
frameworks
comparison
chart

Twitter

Please contribute

Legal

What **platforms** would you like to develop for?

- | | |
|--|--|
| <input type="checkbox"/> Android | <input type="checkbox"/> Tizen |
| <input type="checkbox"/> Blackberry OS | <input type="checkbox"/> Watch OS |
| <input type="checkbox"/> Firefox OS | <input type="checkbox"/> wearOS |
| <input type="checkbox"/> iOS | <input type="checkbox"/> Windows Phone |
| <input type="checkbox"/> Progressive Web App | |

What **languages** would you like to use?

- | | |
|--|--|
| <input type="checkbox"/> Action Script | <input type="checkbox"/> F# |
| <input type="checkbox"/> C++ | <input type="checkbox"/> Lua |
| <input type="checkbox"/> C# | <input type="checkbox"/> PHP |
| <input type="checkbox"/> Objective C | <input type="checkbox"/> Python |
| <input type="checkbox"/> Java | <input type="checkbox"/> Ruby |
| <input type="checkbox"/> Kotlin | <input type="checkbox"/> Swift |
| <input type="checkbox"/> Java Script | <input type="checkbox"/> Visual Editor |

No code App Builders

18 avril 2023

CONSTRUCTEURS D'APPLICATIONS

Vous voulez créer une application mobile sans coder ? Nous avons dressé la liste des meilleurs outils qui vous permettront de créer une application mobile sans avoir besoin de compétences techniques et sans apprendre à coder. Ces plateformes vous permettront de créer n'importe quoi, d'une application de réseau social à une application de place de marché bilatérale comme AirBnB, sans code requis ! Si vous souhaitez en savoir plus sur le développement d'applications sans code, vous êtes au bon endroit.

10 Meilleur No-Code Constructeurs d'applications:

ADALO

GLISSER

EMPILEUR

SANS FIN

STUDIO BRAVO

BLOCS BETTY

BONBARBIER

BULLE

FLIPIET

STADE



Web Applications – Web App



Web app
(site
mobile)

Progressive
Web App

Du WAP au HTML5



1997

Expérience propre au mobile



2004



2007

Expérience desktop & mobile



28 octobre 2014

FEATURES

- YES** ✓ Feature available in your current browser
NO ✗ Feature not available in your current browser



What Web Can Do Today

Can I rely on the Web Platform features to build my app?
An overview of the device integration HTML5 APIs

Filter

Seamless Experience

- Offline Mode **YES** ✓
- Background Sync **YES** ✓
- Inter-App Sharing **NO** ✗
- Payments **YES** ✓
- Credentials **YES** ✓

Surroundings

- Bluetooth **YES** ✓
- NFC **NO** ✗
- USB **YES** ✓
- Serial Port **NO** ✗
- Ambient Light **NO** ✗

Operating System

- Offline Storage **YES** ✓
- File Access **YES** ✓
- Contacts **NO** ✗
- SMS/MMS **NO** ✗
- Storage Quotas **YES** ✓

Screen & Output

- Virtual & Augmented Reality **YES** ✓
- Fullscreen **YES** ✓
- Screen Orientation & Lock **YES** ✓
- Wake Lock **YES** ✓
- Presentation Features **YES** ✓

Native Behaviors

- Local Notifications **YES** ✓
- Push Messages **YES** ✓
- User Idle Detection **NO** ✗
- Permissions **YES** ✓
- Task Scheduling **YES** ✓

Camera & Microphone

- Audio & Video Capture **YES** ✓
- Advanced Camera Controls **YES** ✓
- Recording Media **YES** ✓
- Real-Time Communication **YES** ✓
- Shape Detection **YES** ✓

Input

- Touch Gestures **YES** ✓
- Speech Recognition **YES** ✓
- Clipboard (Copy & Paste) **YES** ✓
- Pointing Device Adaptation **YES** ✓
- Eye Dropper **YES** ✓

App Lifecycle

- Store Distribution not testable
- Home Screen Installation **YES** ✓
- Run On Startup not testable
- Foreground Detection **YES** ✓
- Freeze/Resume Detection **YES** ✓

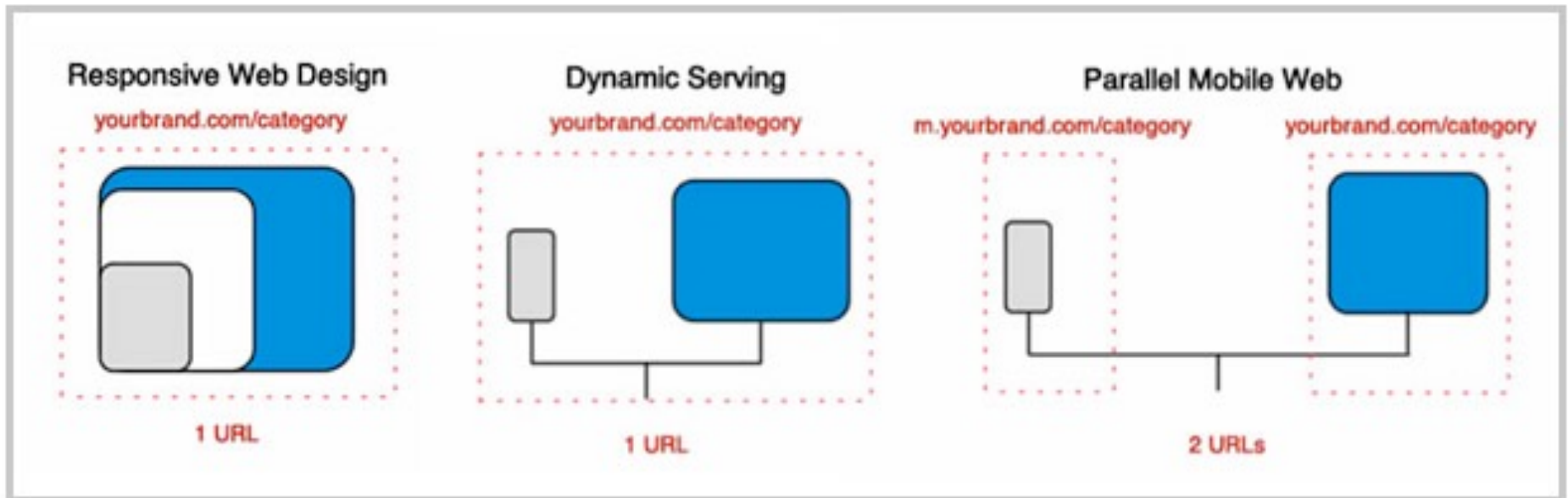
Device Features

- Network Type & Speed **NO** ✗
- Online State **YES** ✓
- Vibration **YES** ✓
- Battery Status **YES** ✓
- Device Memory **YES** ✓

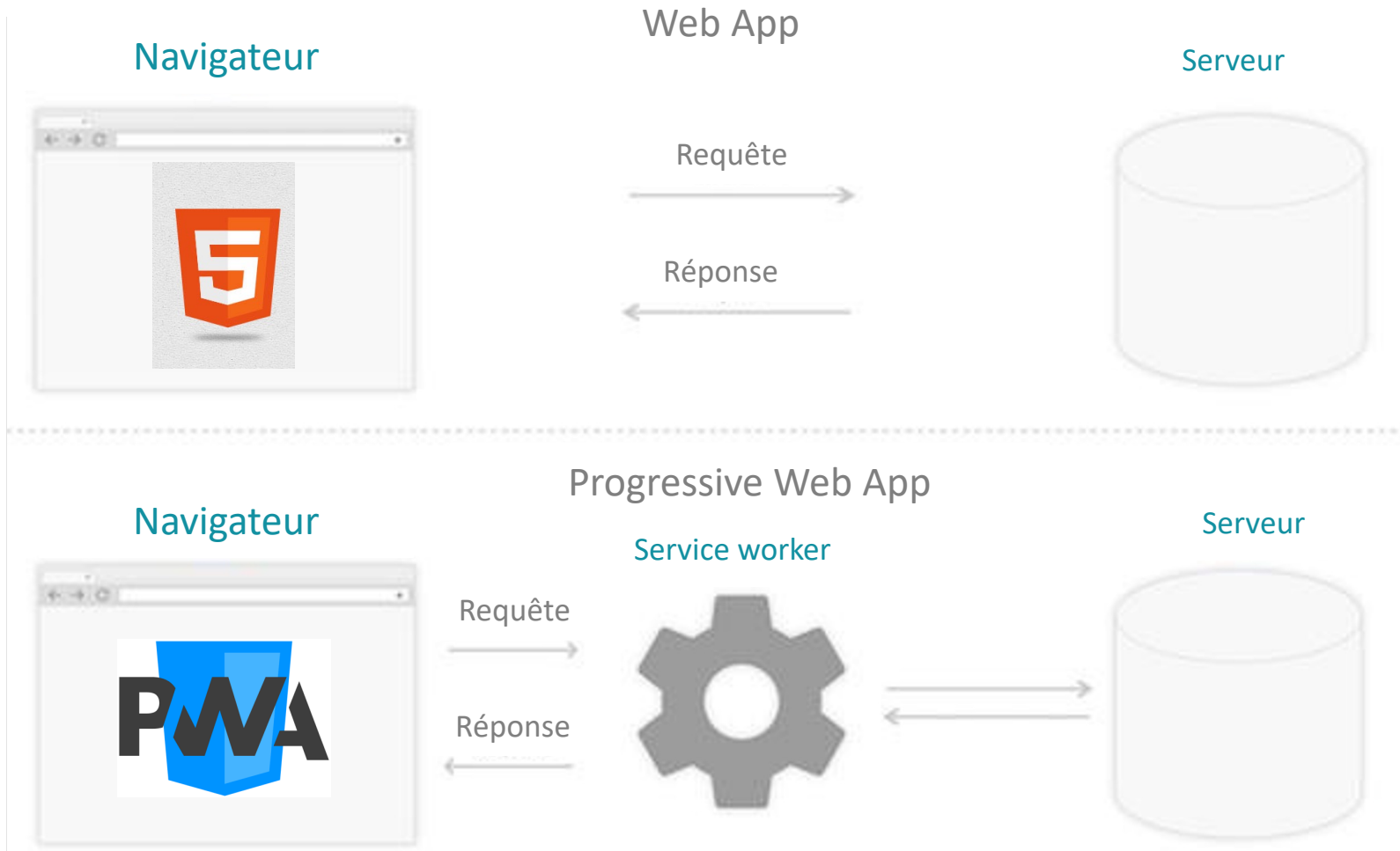
Location & Position

- Geolocation **YES** ✓
- Geofencing **NO** ✗
- Device Position **YES** ✓
- Device Motion **YES** ✓
- Proximity Sensors **NO** ✗

Stratégie de développement d'un site mobile



Web app vs. Progressive Web App

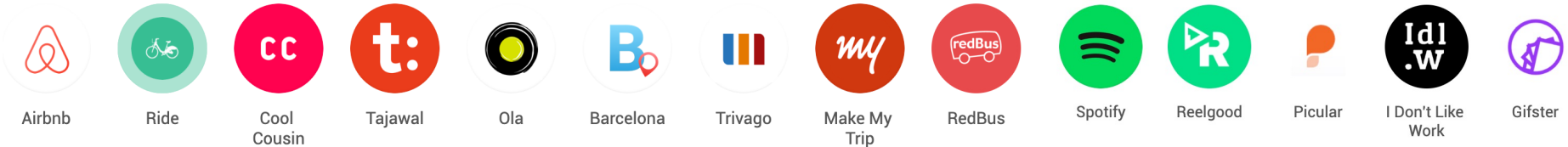
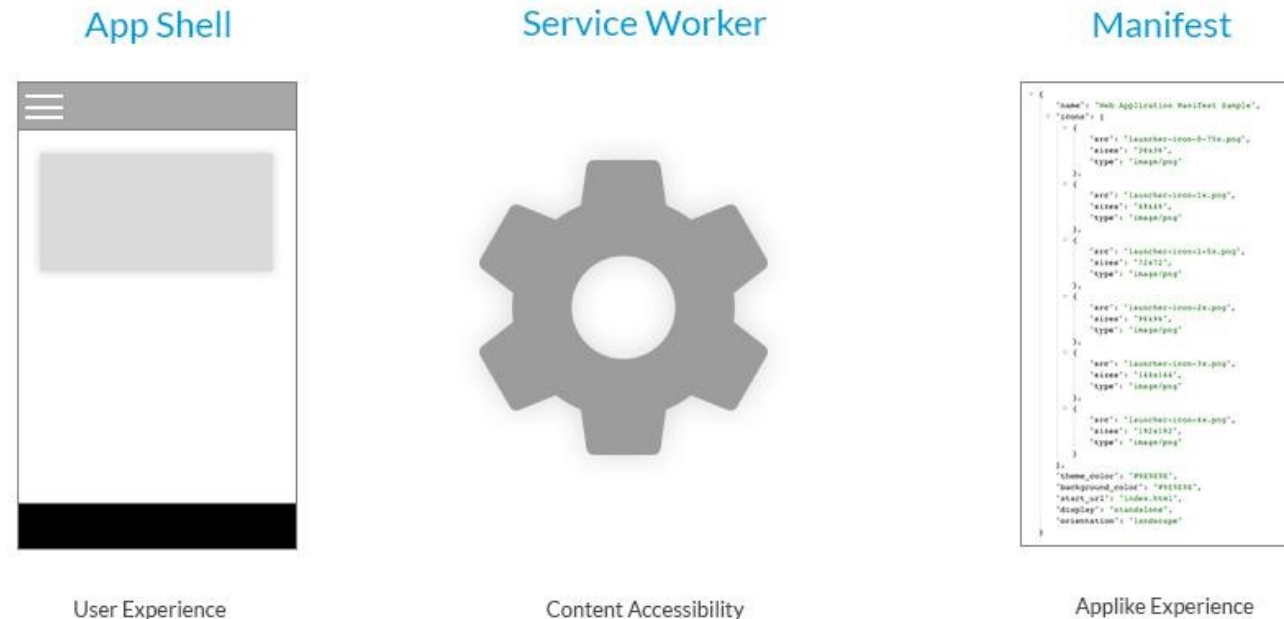




Qu'est-ce qu'une Progressive Web App ?



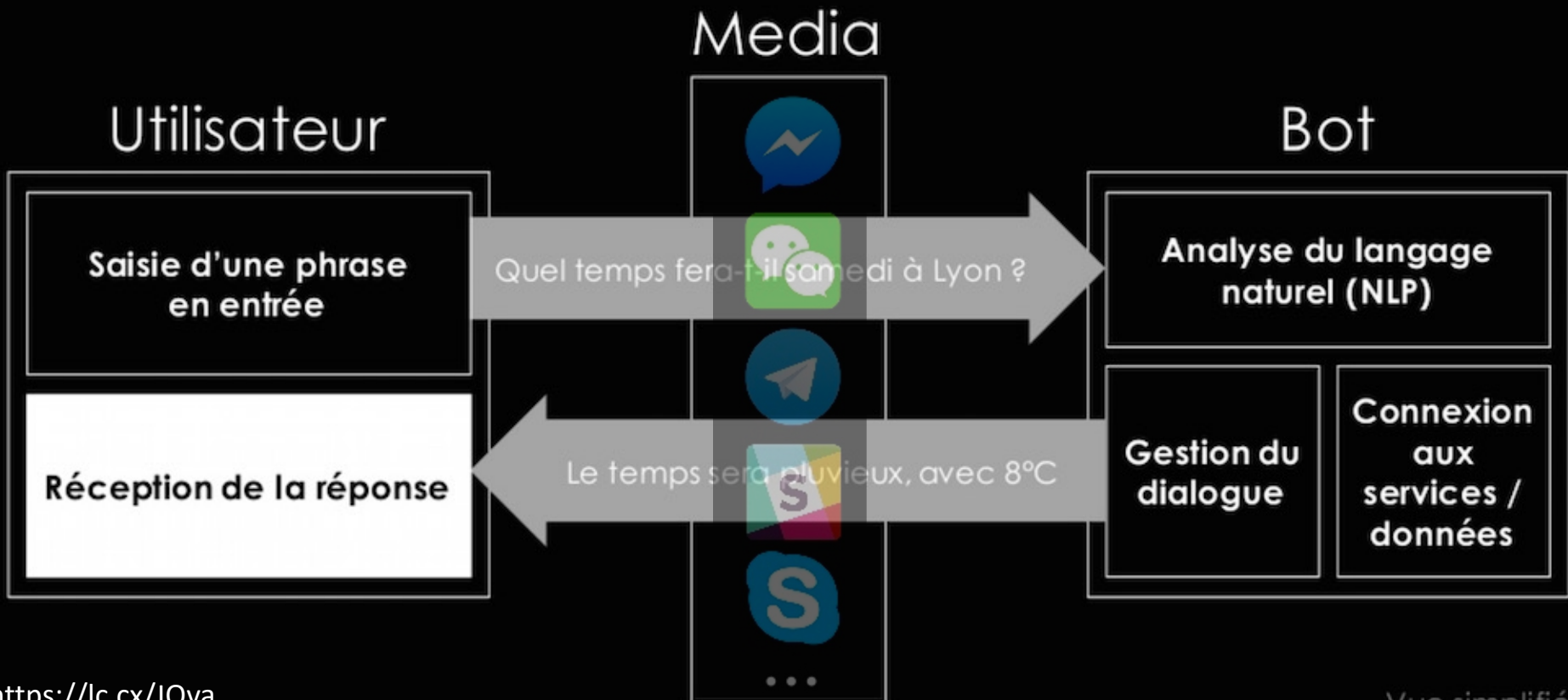
Progressive Web Apps
3 key elements



Les chatbots

Meetup IA Lyon - Introduction aux chatbots

Fonctionnement d'un chatbot



Services en ligne DIY / NoCode



Maquette fonctionnelle

(wireframing)

moqups

<https://moqups.com/>

proto.io

<https://proto.io/>



<http://ninjamock.com/>

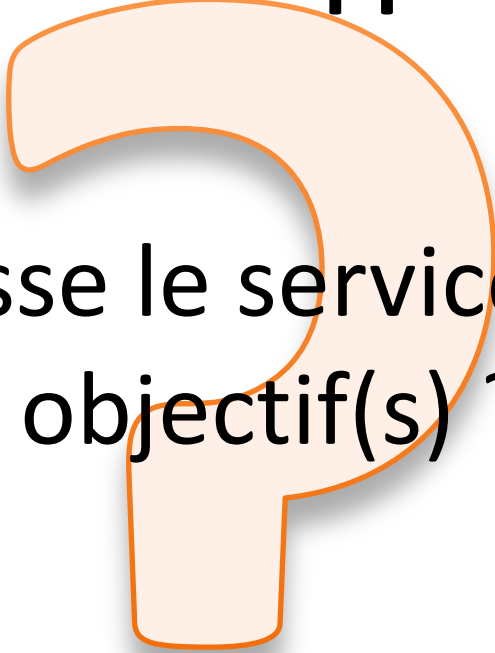
fluid

<https://www.fluidui.com/>

balsamiq®

<http://balsamiq.com/>

Site responsive ? WebApp ? App Native ? Progressive Web App ? Chatbot ?



- ✓ A qui s'adresse le service mobile ?
- ✓ Avec quel(s) objectif(s) ?

Et ensuite

- ✓ Quelles sont les technologies sollicitées ? (caméra, capteurs etc.)
- ✓ Quel est le budget ?

Par équipe de 3

Création
d'un
chatbot

ou

Création d'une
App / Progressive
Web App

Pour... Un projet personnel, professionnel ou alors pour

