



**BE THE
FUTURE**

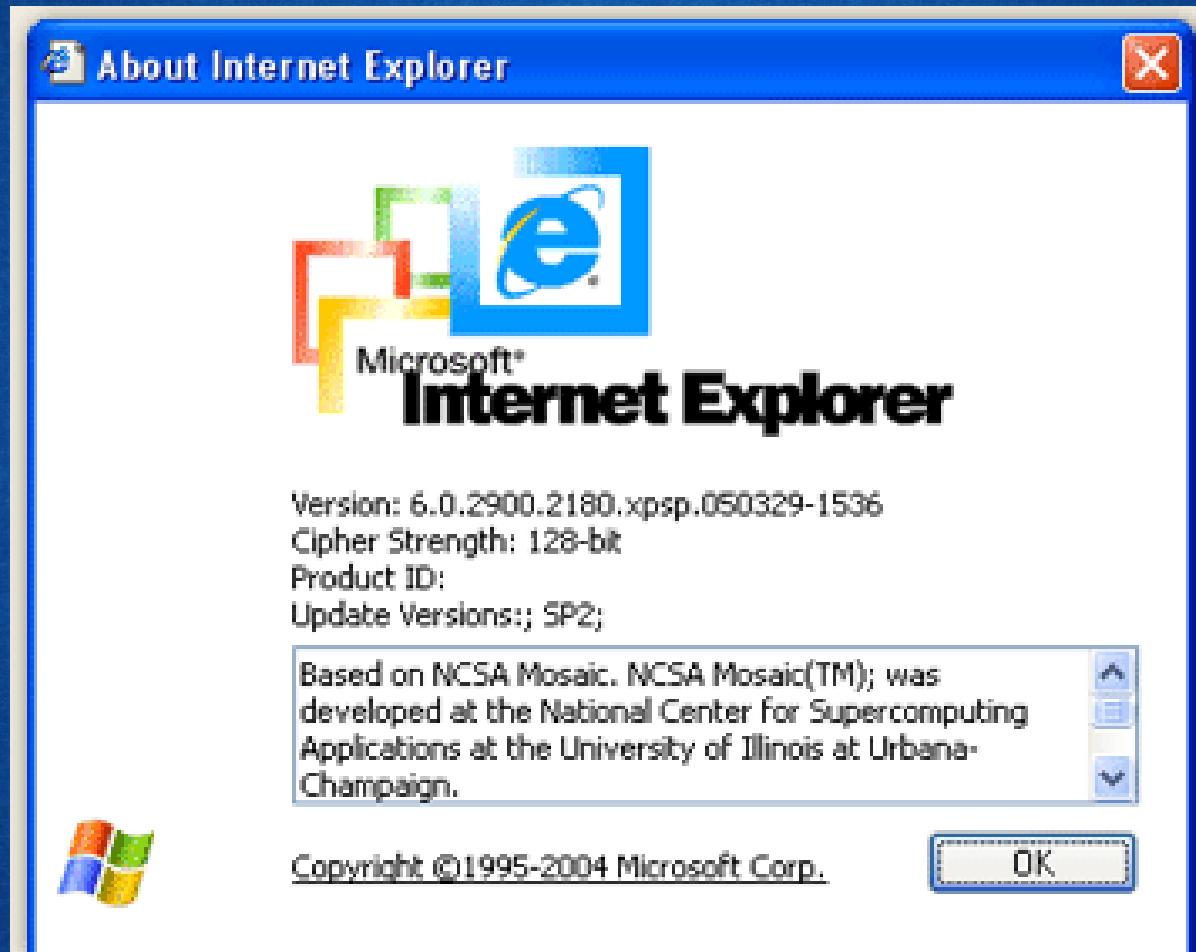
Egyszer volt, hol nem volt

a Firefox OS

Szalai „KAMI” Kálmán

Mozilla Reps

kami911@gmail.com



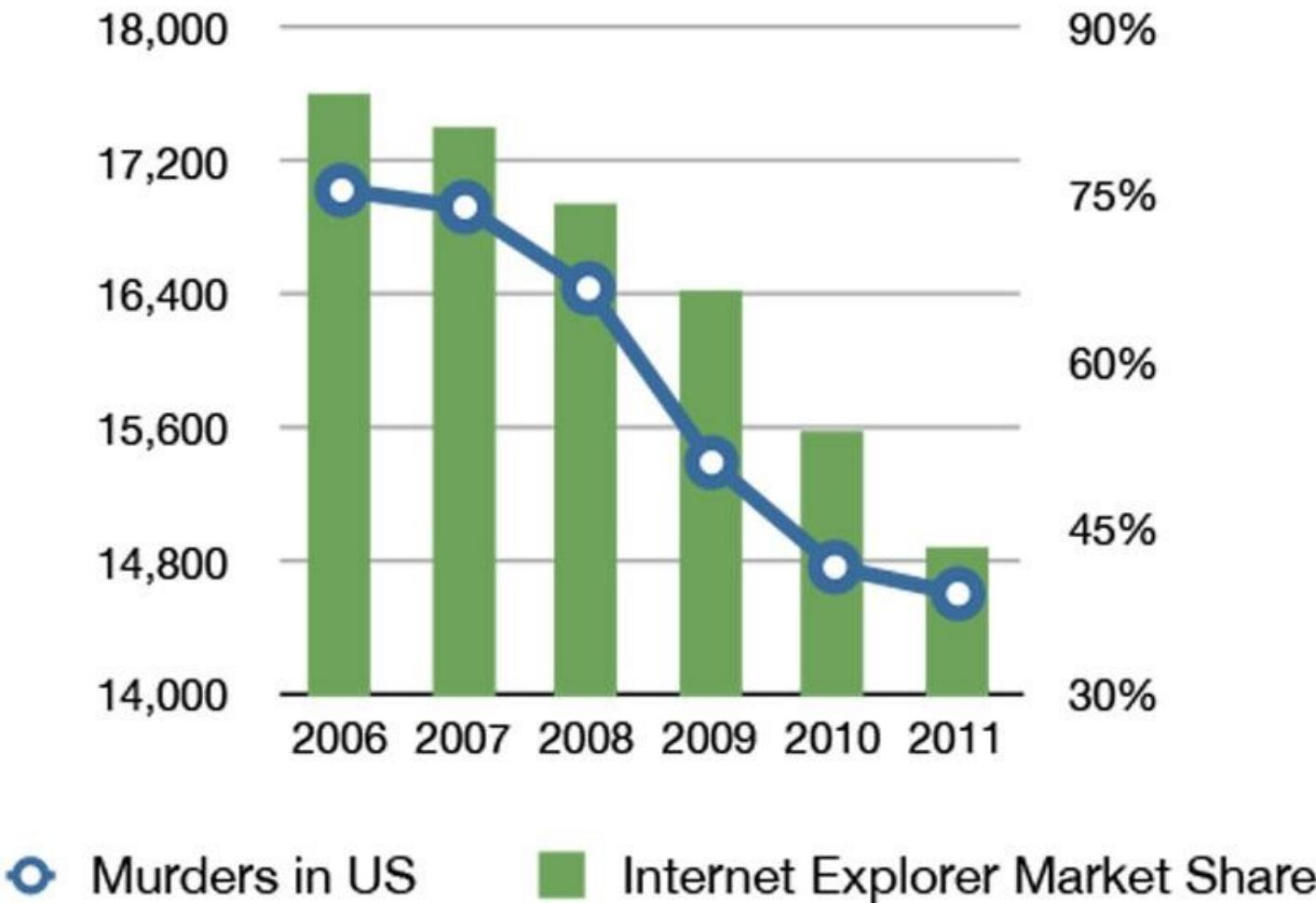
mozilla





Mi a Mozilla?

Internet Explorer vs Murder Rate



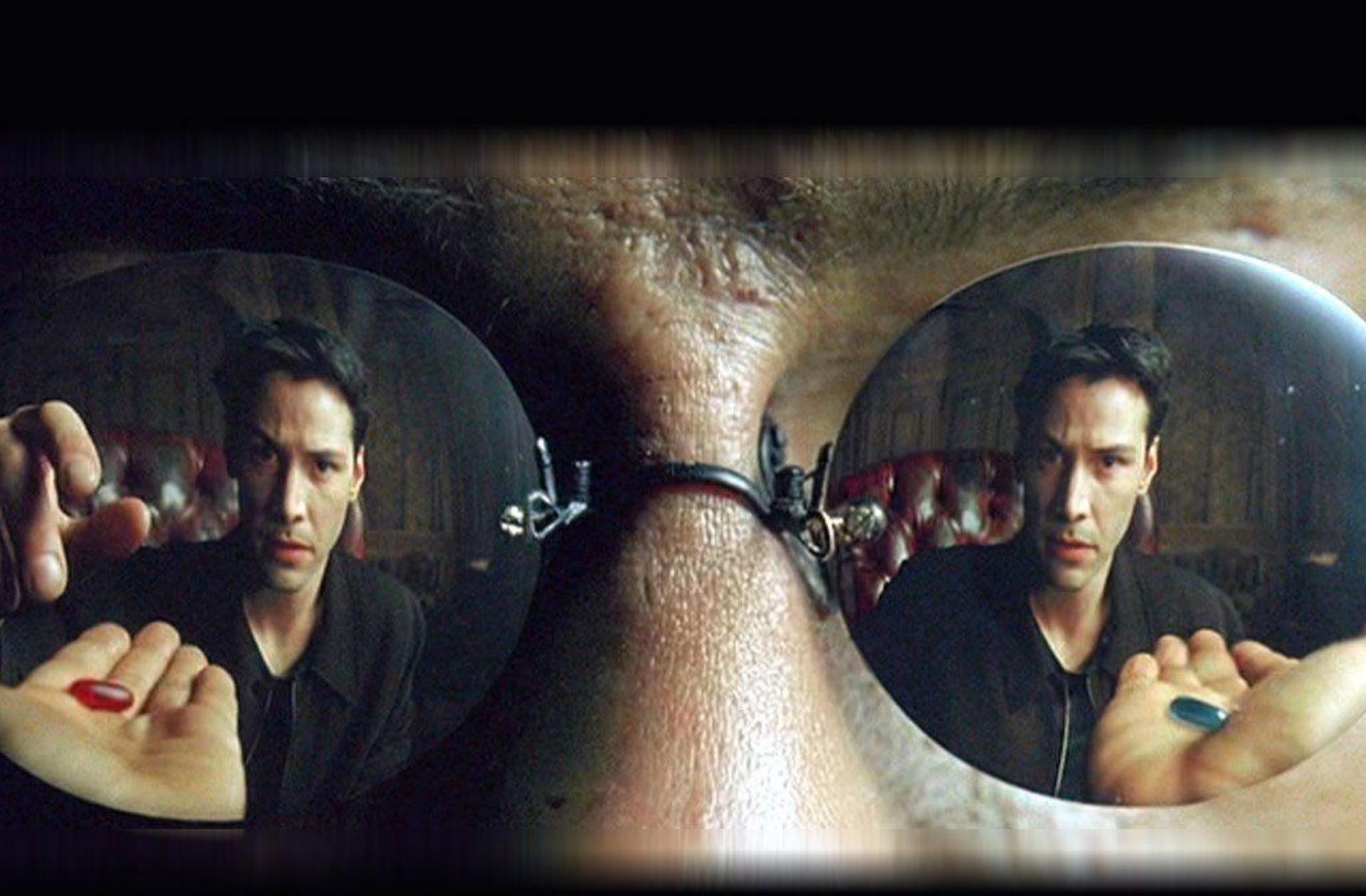




Az ésszerűség határáig nyílt mobil platform

- Nyílt forráskodú, szabad szoftveres fejlesztés
 - Operációs rendszer (Firefox OS)
 - Piactér (Marketplace)
- Nyitott ökoszisztemáma
 - Bárki publikálhat web alkalmazást
 - Nincs fejlesztői előfizetés vagy egyszeri díj
 - A feltöltött alkalmazások ellenőrzése
 - Fizetős alkalmazások
 - Fizetés előre vagy az alkalmazásban
 - Számos fizetési opción
 - bankkártya, szolgáltatói számlázás, online pénzküldő
- Független alapítványi háttér





NATIVE APPS



BlackBerry™



ANDROID



Windows
Phone



iOS

VS

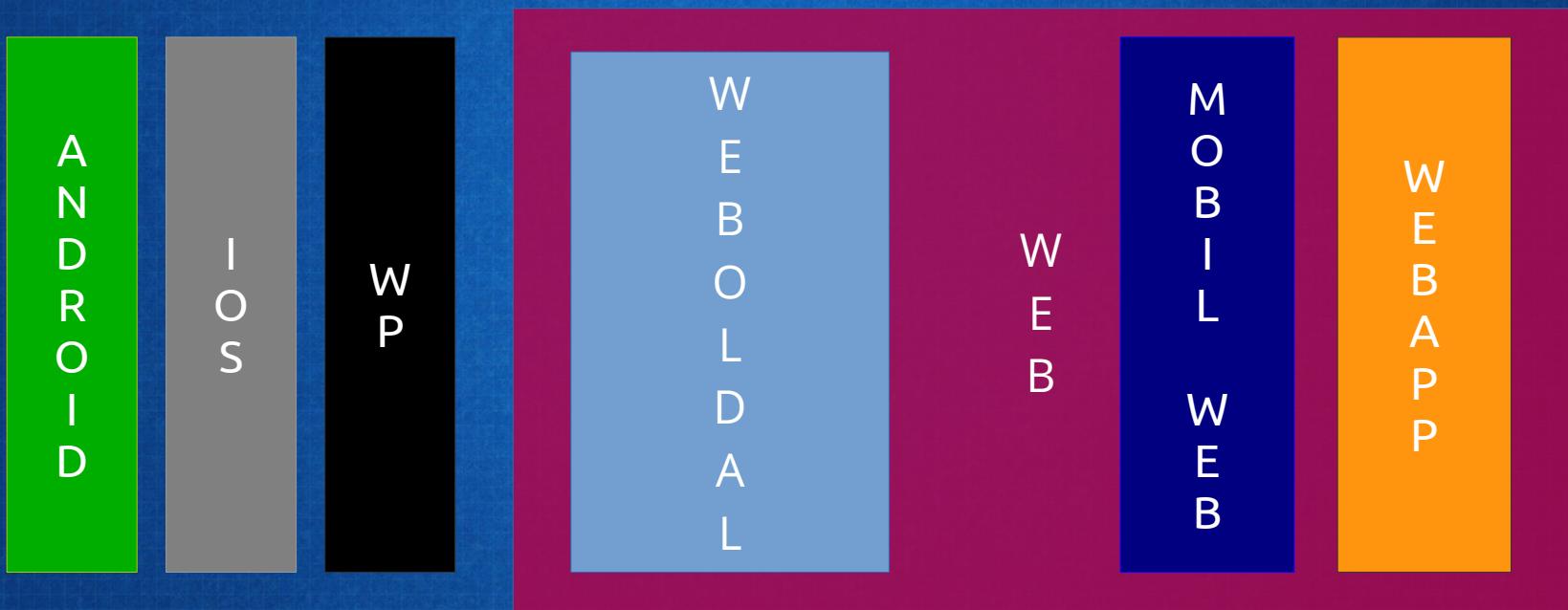
HTML
5
APPS



	Device Access	Speed	Development Cost	App Store	Approval Process
Native	Full	Very Fast	Expensive	Available	Mandatory
Hybrid	Full	Native Speed as Necessary	Reasonable	Available	Low Overhead
Web	Partial	Fast	Reasonable	Not Available	None



Natív appok vs Webappok



A web
platform



A web a platform

- Szabványos
- Nyílt
- Jól dokumentált
- Egyszerű elkezdeni
- minden platformon elérhető
 - Mobilplatformok
 - Asztali rendszerek
- Jól ismert eszközök
- Sok fejlesztő
- Mobilos nézet ma már alapkötetelmény
- Internet nélkül (off-line) működő app /szabványos/
- Marketplace a webappoknak



Webappok: A Mozilla stílus



HTML 5
CSS 3
JavaScript

+

WebAPI-k



MDN

Mozilla Developer Network




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Black Box Driven Development in JavaScript

 on August 27, 2014 by [Krasimir Tsonev](#) and [Robert Nyman \[Editor\]](#) in [JavaScript](#)
[35 comments](#) [Share This](#)

Sooner or later every developer finds the beauty of the design patterns. Also, sooner or later the developer finds that most of the patterns are not applicable in their pure format. Very often we use variations. We change the well-known definitions to fit in our use cases. I know that we (the programmers) like **buzzwords**. Here is a new one – Black Box Driven Development or simply BBDD. I started applying the concept before a couple of months, and I could say that the results are promising. After finishing several projects, I started seeing the good practices and formed three principles.

What is a black box?

Before to go with the principles of the BBDD let's see what is meant by a black box. According to [Wikipedia](#):

In science and engineering, a black box is a device, system or object which can be viewed in terms of its input, output and transfer

ABOUT THE AUTHORS

Krasimir Tsonev


Krasimir Tsonev is a front-end developer, blogger and speaker. He loves writing JavaScript and experimenting with the latest CSS and HTML features. Author of the "Node.js blueprints" book he is focused on delivering cutting edge applications. Krasimir started his career as graphic designer, he spent several years coding in ActionScript3. Right now, with the rise of the mobile development, he is enthusiastic to work on responsive applications targeted to various devices. Living and working in Bulgaria he graduated at the Technical University of Varna with bachelor and master degree in computer science.



Apps

Device

?

Add Packaged App

Add Hosted App

http://example.com/app/manifest.webapp

Connected to B2G [Disconnect](#)

The screenshot shows the Mozilla App Manager interface. On the left, there's a sidebar with icons for Apps, Device, and Help. Below the sidebar, there are two main sections: 'Add Packaged App' and 'Add Hosted App'. Under 'Add Hosted App', the URL 'http://example.com/app/manifest.webapp' is listed. At the bottom, it says 'Connected to B2G' with a 'Disconnect' button. The main content area displays the 'Open Web App' section for 'Your new awesome Open Web App'. It includes a preview icon of a cake with a cherry, the title 'Open Web App', status 'HOSTED', and a 'Battery' template description. There are 'UPDATE' and 'DEBUG' buttons at the bottom.



Open Web App

VALID

HOSTED

Your Name

<http://people.mozilla.org/~cmills/app-template/manifest.webapp>

Your new awesome Open Web App

UPDATE

DEBUG

App Manager

```
13:26:38: disconnecting  
13:26:38: disconnected  
13:30:35: connecting to localhost:4000  
13:30:39: connected
```



Firefox OS Simulator

Alpha

Dashboard

[Add Directory](#)

URL for page or manifest.weba

[Add URL](#)[Help](#)[Simulator](#)[Running](#)

This add-on only supports the included Firefox OS 1.1 simulator and pushing apps to 1.1 devices. To work with newer Firefox OS simulators and devices, please use the App Manager.

[More information](#)

No Apps Installed



Firefox OS Szimulátor



Firefox WebIDE: my-app

Select Runtime ▾

my-app

my-app

css/
app.css

data/
en-US.properties
es.properties
locales.ini

img/
icons/
icon.svg
icon128x128.png
icon16x16.png
icon48x48.png
icon60x60.png

js/
libs/
!10n.js
*app.js

Index.html
LICENSE
manifest.webapp
README.md

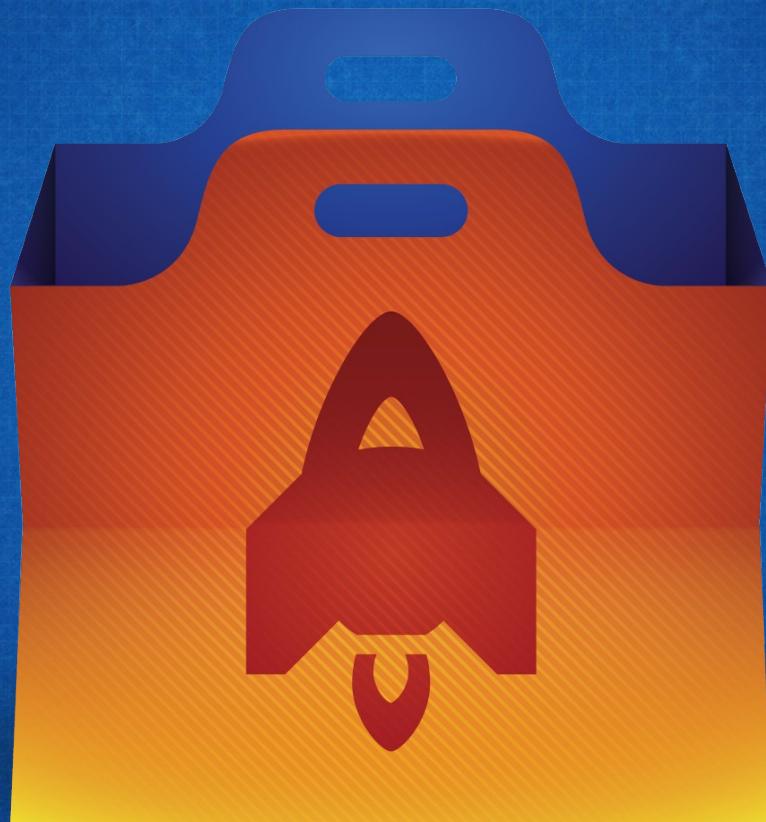
```
1 // DOMContentLoaded is fired once the document has been loaded and parsed
2 // but without waiting for other external resources to load (css/images/etc)
3 // That makes the app more responsive and perceived as faster.
4 // https://developer.mozilla.org/Web/Reference/Events/DOMContentLoaded
5 window.addEventListener('DOMContentLoaded', function() {
6
7     // We'll ask the browser to use strict code to help us catch errors early
8     // https://developer.mozilla.org/Web/JavaScript/Reference/Functions_and_expressions/use_strict
9     'use strict';
10
11    var translate = navigator.mozL10n.get;
12
13    // We want to wait until the localisations library has loaded all the strings
14    // So we'll tell it to let us know once it's ready.
15    navigator.mozL10n.once(start);
16
17    // ---
18
19    function start() {
20        d|
21    } F decodeURI
22    F decodeURIComponent
23    N devicePixelRatio
24    F dispatchEvent
25    O document
```

Decodes a Uniform Resource Identifier (URI) previously created by encodeURI or by a similar routine.

WebIDE



Firefox Marketplace





HOME

ÚJ

NÉPSZERŰ

CATEGORIES ▾

Agytorna

Szórakozzon és okosodjon - egyszerre!

Rejtett gyöngyszemek

Doodl Jump

Ingyenes

EzUbi

Ingyenes

zMaps

Ingyenes

Froggy Leap

Ingyenes

Face Value

Ingyenes

Springle Chat

Ingyenes

Oktatás kiemeltje

LingQ

Ingyenes

Scientific Ca...

Ingyenes

TreeKey

Ingyenes

Telenor

Utazóknak

Find Me Goo...

Ingyenes

Booking.com

Ingyenes

Airbnb

Ingyenes

[View all apps](#)

Rejtélynyparadicsom

Szereti a kirakós rejtvényeket? Nézze meg ezeket a fantasztikus címeket.

Video appok

Zene, hírek, szórakoztatás és még több – elvezesse a námszerű videótartalmakat a

Egészséges élet

FireRunner

Ingyenes

Yoga Guide

Ingyenes

Vibrycing

Ingyenes

Calcula calo...

Ingyenes

Personal Tra...

Ingyenes

bodygarage

545,00 Ft

[View all apps](#)

Appok Magyarországnak

Trafikadasz

Ingyenes

ORIGO

Ingyenes

Vatera

Ingyenes

MÁV Menetr...

Ingyenes

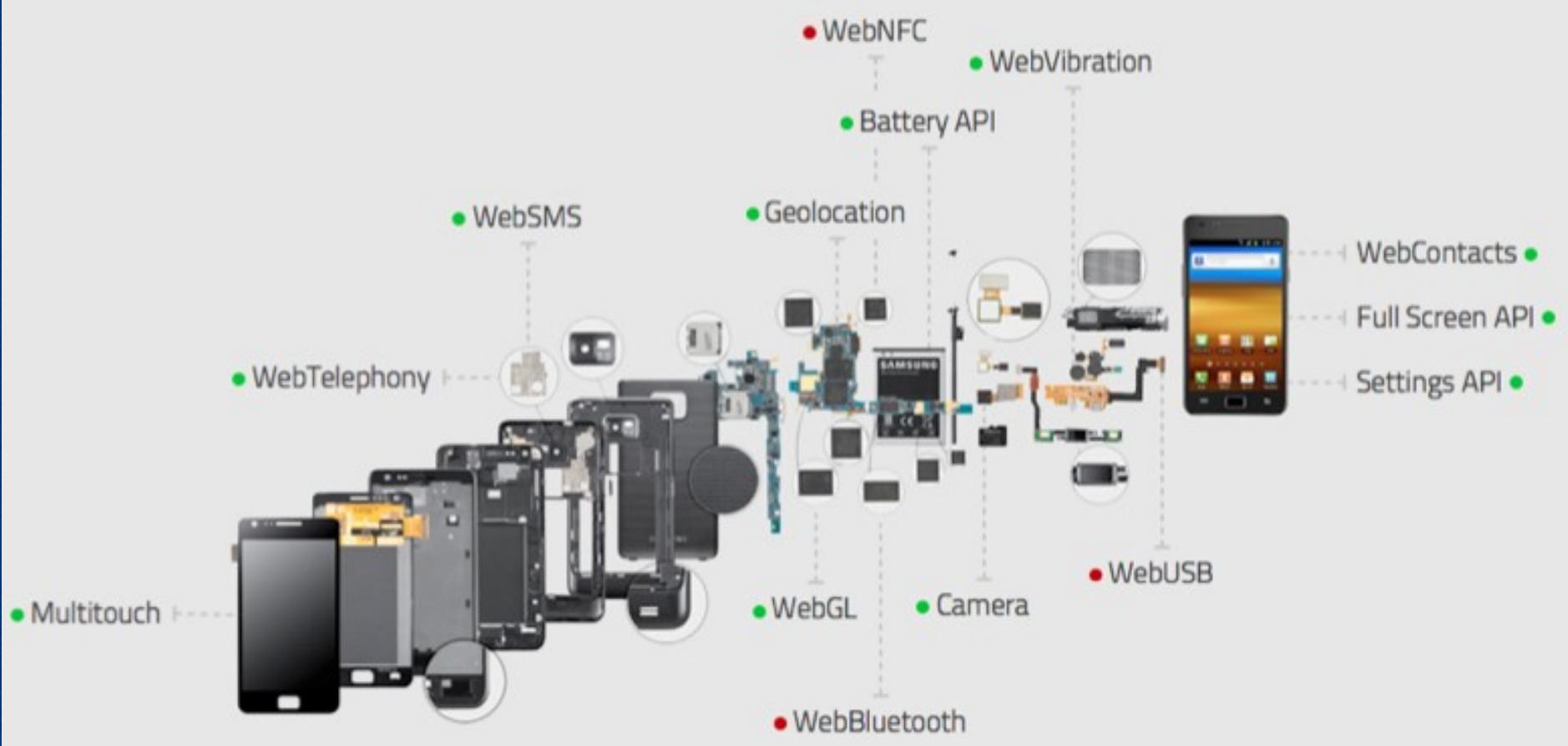
Időzítő

Ingyenes

Elsősegély l...

Ingyenes

WebAPI-k



The background image is a vibrant, multi-layered rainbow cake. It has distinct layers of different colored frostings: red, orange, yellow, green, and blue. The cake is presented on a silver platter, and the background behind it is a solid, bright yellow.

Gaia
UI, Csomagolt appok, Hosztolt appok

Gecko
HTML5, CSS3, JavaScript, WebAPI, WebGL

Gonk
Linux kernel, eszközmeghajtók, HAL

Telefonhardver
(800 MHz → 600 MHz, 512 → 256 → 128 MB RAM)

2011



2012

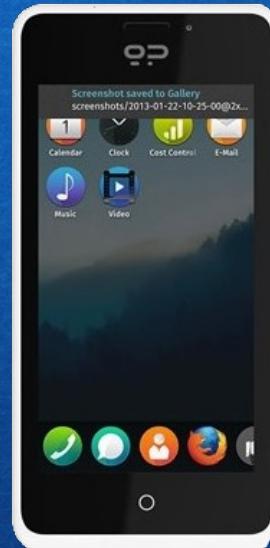


2013





2013 → Készülékek



Fejlesztői készülékek



2013 - 2014



Mozilla Közösség

- Firefox OS
 - <https://www.facebook.com/fxos.hu>
 - <https://www.mozilla.org/hu/firefox/os/>
 - <https://plus.google.com/u/0/communities/103014232626387772793>
- Firefox és a többiek
 - <https://www.facebook.com/MozillaHU>
 - <https://www.mozilla.org/hu/>





BLAZE YOUR OWN PATH



Kérdések? Észrevételek?

Részt vennél?

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