

Wikipedia, Android, & PhoneGap



PhoneGap

PhoneGap Meetup

Why build an app?



The **American Livestock Breeds Conservancy** is a **nonprofit organization** focused on preserving and promoting **rare breeds** of **livestock**. Founded in 1977 through the efforts of livestock breed enthusiasts concerned about the disappearance of many of the US's heritage livestock breeds, the ALBC was the pioneer livestock preservation organization in the United States, and remains a leading organization in that field. It has initiated programs that have saved multiple breeds from extinction, and works closely with similar organizations in other countries, including **Rare Breeds Canada**. The ALBC maintains a conservation priority list that divides endangered breeds of horses, asses, sheep, goats, cattle, rabbits, pigs and poultry into five categories based on population numbers and historical interest. The organization has published several books, and works with **breed registries** and other groups on several aspects of breed preservation, including genetic testing, historical documentation, animal rescue and marketing. Preservation of genetic material is of special interest to the ALBC, and for a period of time it maintained a **gene bank** that was later transferred to the **United States Department of Agriculture**. It has also developed and published several heritage definitions, including parameters for heritage breeds of cattle and poultry. (**more...**)

Recently featured: [James Nesbitt – Variegated](#)



346

Route information

Maintained by [PennDOT](#)

Length: 34 mi^[2] (55 km)

Existed: 1928^[1] – present

Major junctions

West end: 280 NY 280 at the New York state line in the Allegheny National Forest

321 PA 321 in the Allegheny National Forest

219 **46** US 219 / PA 46 in Bradford

East end: **446** PA 446 in Eldred

Location

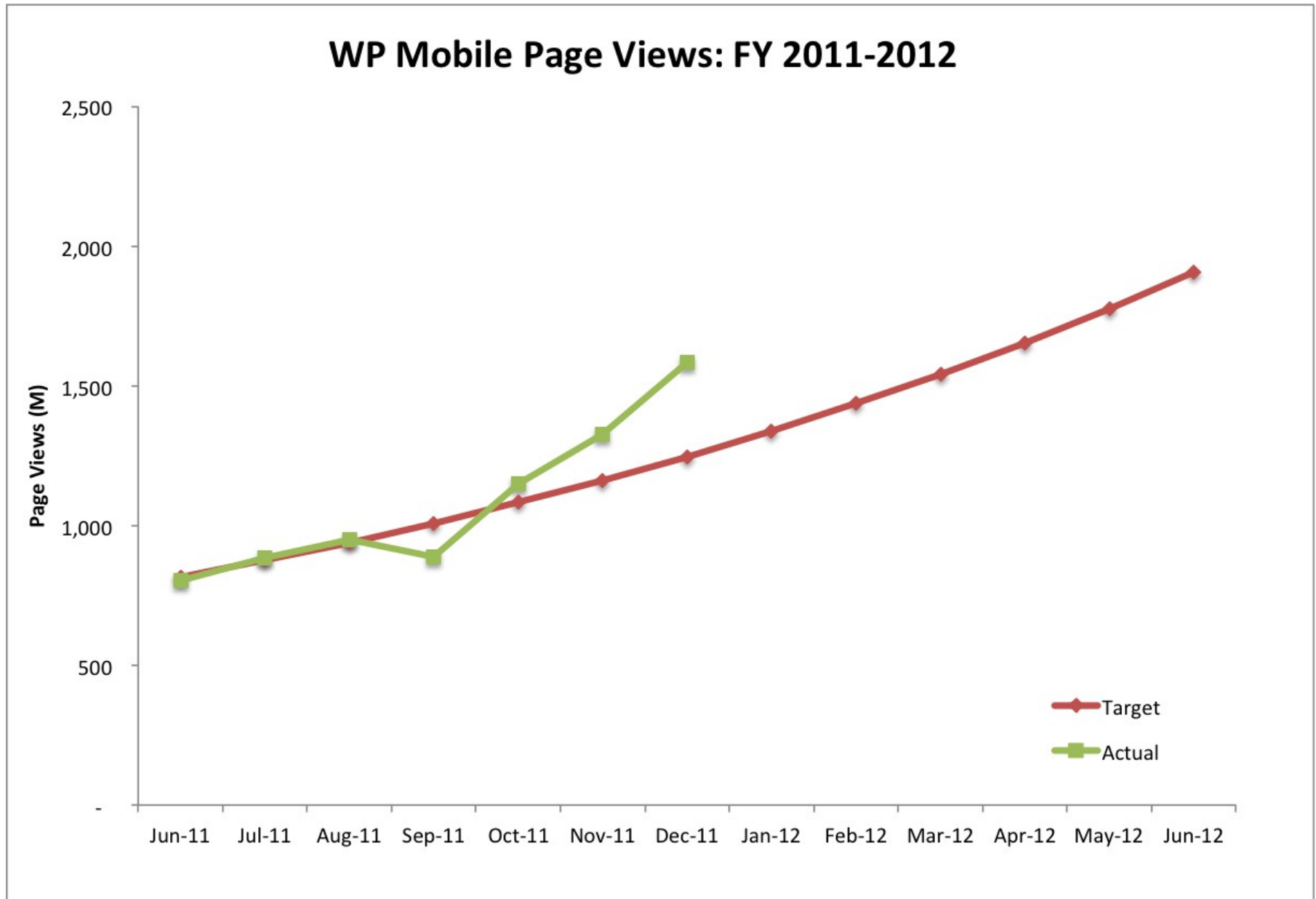
Counties: Warren, McKean

Highway system

Roads in Pennsylvania

Interstate • US • State • Legislative

Mobile @ Wikimedia





ColorDict Dictionary Wikipedia

NOTES / BOOKS & REFERENCE

★★★★★ (15,168)

INSTALL

ColorDict main application Supports StarDict, Wikipedia, Traslate and Wordnet. Universal Dictionary Color Dict. Search a word and translate a sentence in Wikipedia, Wo...



Wikidroid (Wikipedia Browser)

SIRIUS APPLICATIONS LTD. / BOOKS & REFERENCE

★★★★★ (8,851)

INSTALLED

Wikidroid formats Wikipedia perfectly for your phone. It's also really fast. ** New: you can now save Wikipedia articles to your SD card for free! ** View all of Wiki...



Wiki Mobile (Ad Free Wikipedia)

TOP APPS / BOOKS & REFERENCE

★★★★★ (1,302)

INSTALLED

Formats Wikipedia perfectly for your phone WITHOUT ADS. Has bookmarks/save to SD - This is the fastest Wikipedia app available. Other wiki apps like Wikidroid and Wap...



Wapedia: wikis & encyclopedias

TAPTU / BOOKS & REFERENCE

★★★★★ (27,573)

INSTALLED

Wapedia is the fastest way to access content from Wikipedia and many more wikis Taptu Wapedia is the fastest way to access content from Wikipedia and many other wikis....



Wiki Encyclopedia pro

WIKI APPS / BOOKS & REFERENCE

★★★★★ (270)

\$1.39 BUY

Wiki Encyclopedia Pro: fast access to Wikipedia for your Android phone, without the ads! Newspaper tab lets you read local and international news from your favorite n...



Wikipedia for Android

ANDYMIKE / BOOKS & REFERENCE

★★★★★ (167)

INSTALL

Wikipedia for Android - Mobile Interface to Wikipedia, the Free Encyclopedia with 3,636,000+ articles. Search Wikipedia directly from your home screen. Is there any ...



Browser for Wikipedia

AMIMETIC / BOOKS & REFERENCE

★★★★★ (7)

INSTALL

Browse/bookmark/search Wikipedia on your Android Tablet A proper Honeycomb (tablet) optimised browser for the Wikipedia website. This allows you to instantly search (...)



Wiki Mobile Encyclopedia

EXEL MOBILE APPS / EDUCATION

★★★★★ (678)

INSTALL

Wikipedia Mobile Encyclopedia app in over 20 languages. Wiki Mobile Encyclopedia app. Access Wikipedia information easily from your Android mobile phone. *Wikipedia ...

So isn't the mobile web site good
enough?



CONFUSION

looks better sideways

Reasons for an app

- Basic features should be free
 - Saved articles
 - Viewing random articles
 - No ads



Today's featured article

The [American Livestock Breeds Conservancy](#) is a [nonprofit organization](#) focused on preserving and promoting [rare breeds](#) of [livestock](#). Founded in 1977 through the efforts of livestock breed enthusiasts concerned about the disappearance of many of the US's heritage livestock breeds, the ALBC was the pioneer livestock preservation organization in the United States, and remains a leading organization in that field. It has initiated programs that have saved multiple breeds from extinction, and works closely with similar organizations in other countries, including [Rare Breeds Canada](#). The ALBC maintains a conservation priority list that divides endangered breeds of horses, asses, sheep, goats, cattle, rabbits, pigs and poultry into five categories based on population numbers and historical interest. The organization has published several books, and works with [breed registries](#) and other groups on several aspects of breed preservation, including genetic testing, historical documentation, animal rescue and marketing. Preservation of genetic material is of special interest to the ALBC, and for a period of time it maintained a [gene bank](#) that was later transferred to the [United States](#)

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Today's featured article

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Wikipedia != Ads

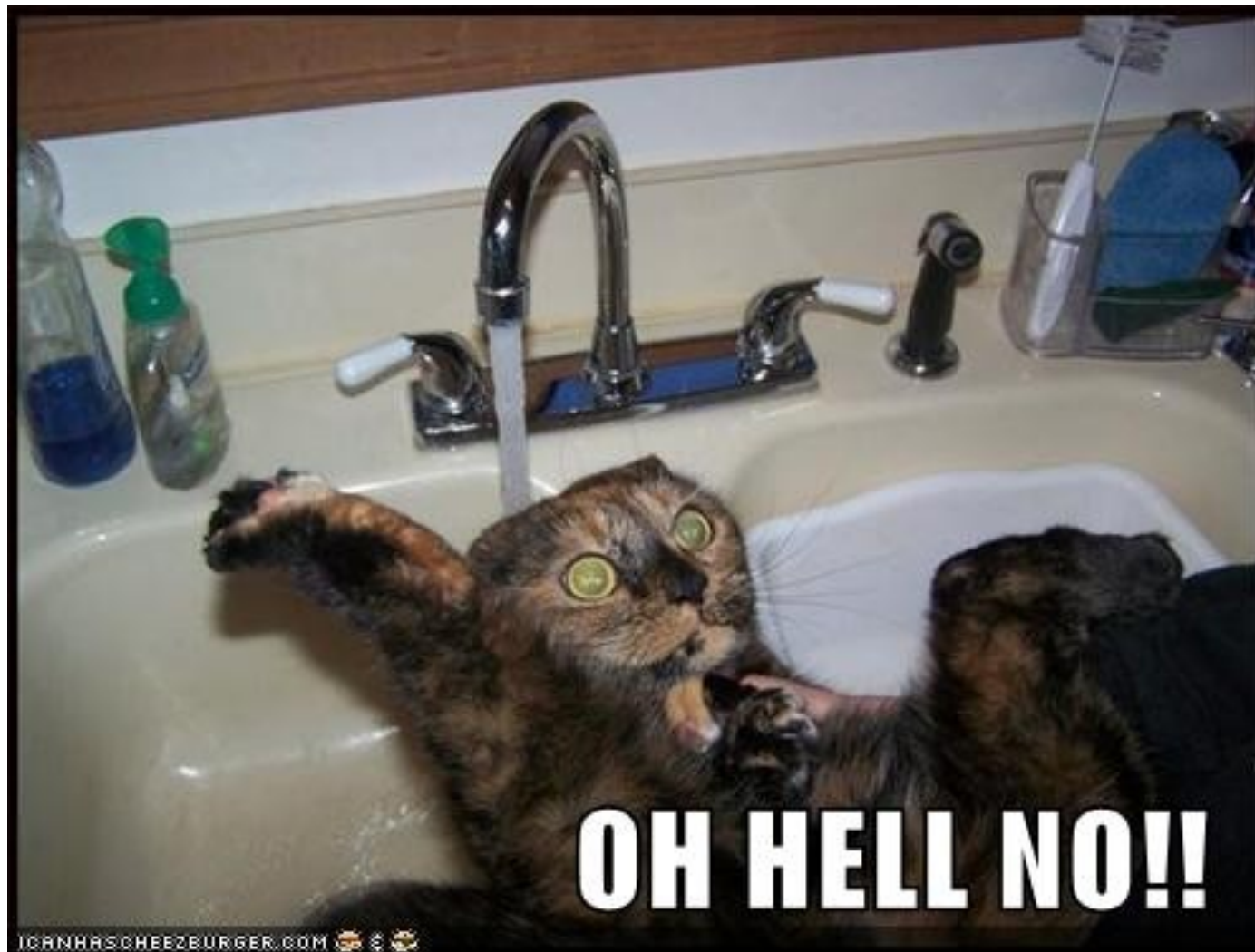
Wikipedia on every phone

Sounds pretty good .. any problems?

Sounds pretty good .. any problems?
.. Wikipedia has to be everywhere ..

| Breakdown per OS version, mobile | | |
|----------------------------------|----------------|--------------|
| BlackBerry 4.6 | 1,689 | 0.04% |
| BlackBerry 5.0 | 12,963 | 0.29% |
| BlackBerry 534.1 | 3,055 | 0.07% |
| BlackBerry 534.11 | 5,297 | 0.12% |
| BlackBerry 534.8 | 7,658 | 0.17% |
| DoCoMo | 711 | 0.02% |
| iPad OS 1.X | 88,687 | 1.96% |
| iPhone | 3,048 | 0.07% |
| iPhone OS 1.X | 33,402 | 0.74% |
| iPhone OS 3.1 | 5,527 | 0.12% |
| iPhone OS 4.0 | 3,081 | 0.07% |
| iPhone OS 4.1 | 6,568 | 0.15% |
| iPhone OS 4.2 | 23,370 | 0.52% |
| iPhone OS 4.3 | 40,249 | 0.89% |
| iPhone OS 5.0 | 104,425 | 2.31% |
| Java ME | 40,366 | 0.89% |
| Linux Android 0.5 | 4,234 | 0.09% |
| Linux Android 1.6 | 1,140 | 0.03% |
| Linux Android 2.1 | 9,903 | 0.22% |
| Linux Android 2.2 | 33,683 | 0.74% |
| Linux Android 2.3 | 73,013 | 1.61% |
| Linux Android 3.1 | 1,979 | 0.04% |
| Linux Android 3.2 | 3,276 | 0.07% |
| Linux armv7 Android | 869 | 0.02% |
| Mobile other | 25,097 | 0.55% |
| Nokia | 5,948 | 0.13% |
| PlayStation | 2,916 | 0.06% |
| Samsung | 3,741 | 0.08% |
| SonyEricsson | 904 | 0.02% |
| SymbianOS 9.2 | 1,685 | 0.04% |
| SymbianOS 9.3 | 1,918 | 0.04% |
| SymbianOS 9.4 | 4,252 | 0.09% |
| Windows | 2,700 | 0.06% |
| Windows CE | 738 | 0.02% |
| Total | 564,739 | 12.5% |

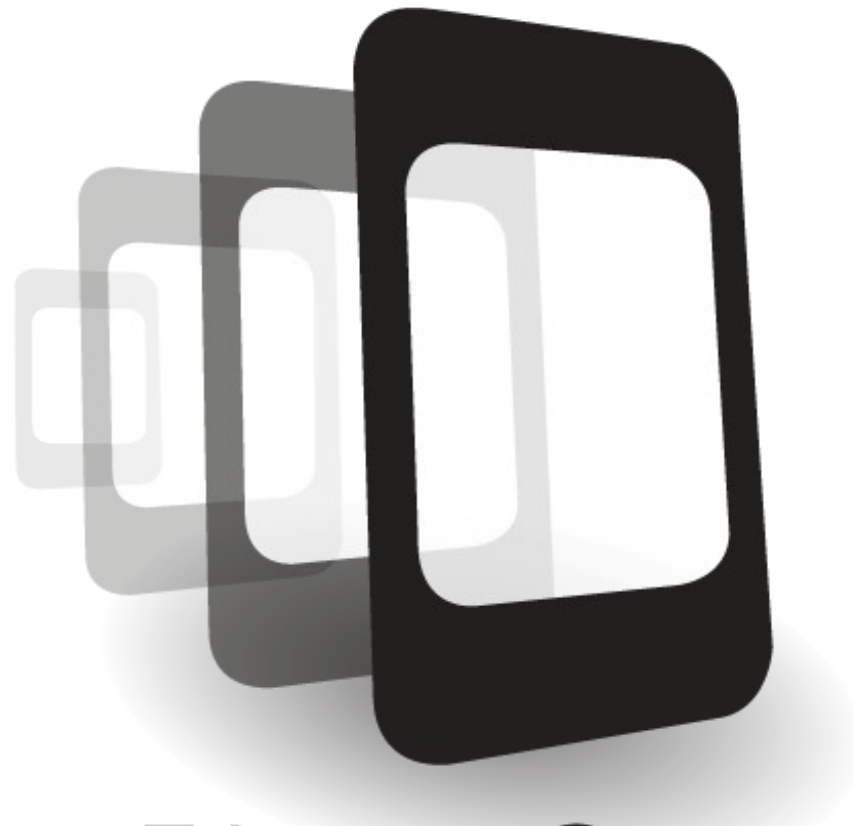
You want me to support how many code bases?



HTML



jQuery



PhoneGap

“The purpose of PhoneGap is for PhoneGap to not exist”

DEMO

What went well

Reuse

1. jQuery

2. Localization libraries

Plugins are awesome

Plugin Re-use

- AppMenu
- UrlCache
- Sharing
- Globalization
- Toast (Notifications)
- WebIntents
- Other iOS specific plugins

Contribute back!

Per Platform Overrides

- App code is always 'general' can run anywhere
- Platform specific overrides deal with platform specific plugins

Lowering the barrier to entry for volunteers

<https://github.com/wikimedia/WikipediaMobile>

But it wasn't all roses ..



DOOM

Now in fun size.

JOHNHASCHEEZBURGER.COM 🍷 🍷 🍷

Debug like you can't

The goodness of using CSS/JS
also gives you the pain of using
CSS/JS

Iframe bugs

Scrolling bugs

Focus bugs

Android core devs not caring
(at least about webkit bugs)

Zepto.js

(Great in theory, not so in practice)

Pure JS Architecture

(Not mature enough ... at least for us/me)

How did we do?

[Home](#) > [Apps](#) > [Books & Reference](#)

Wikipedia

Wikimedia Foundation



★★★★★ (1,757)

INSTALL

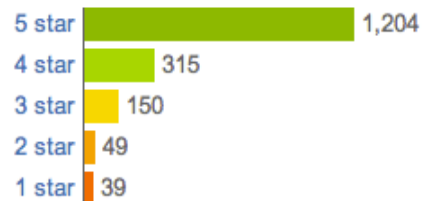


This app is compatible with all of your devices.

[+]

[OVERVIEW](#)[USER REVIEWS](#)[WHAT'S NEW](#)[PERMISSIONS](#)

User Ratings



Average rating:

4.5

★★★★★
1,757

User Reviews

[Write a Review >](#)[All Versions](#) ▾ | [All Devices](#) ▾ | [Sort by Helpfulness](#) ▾

Friedrich on January 22, 2012 (Version 1.0.1) 

★★★★★ **Thank you, Wikipedia**

This simple app does everything I need. I like especially the feature that lets users call up the same article in other languages. Many thanks also for keeping Wikipedia ad-free. To get a full five-star rating it must be possible to move the app to the SD card. A scroll indicator on the right side of the screen would also be useful.



Spam

366,299 total installs



Apps

All prices

SafeSearch: Off

All devices

Sort by: Relevance

Apps

At least 1000 results



Wiki Encyclopedia & News

WIKI APPS / BOOKS & REFERENCE

★★★★★ (45,381)

INSTALL

Wiki Encyclopedia: fast access to Wikipedia for your Android phone! *Wiki Encyclopedia gives you access to Wikipedia or any other online encyclopedia, formatted for yo...



Wikipedia

WIKIMEDIA FOUNDATION / BOOKS & REFERENCE

★★★★★ (1,771)

INSTALL

Official Wikipedia App for Android. Wikipedia is the free encyclopedia containing more than 20 million articles in 280 languages, and is the most comprehensive and wid...



ColorDict Dictionary Wikipedia

NOTES / BOOKS & REFERENCE

★★★★★ (15,166)

INSTALL

ColorDict main application Supports StarDict, Wikipedia, Traslate and Wordnet. Universal Dictionary Color Dict. Search a word and translate a sentence in Wikipedia, Wo...



Wikidroid (Wikipedia Browser)

SIRIUS APPLICATIONS LTD. / BOOKS & REFERENCE

★★★★★ (8,849)

INSTALL

Wikidroid formats Wikipedia perfectly for your phone. It's also really fast. ** New: you can now save Wikipedia articles to your SD card for free! ** View all of Wiki...



Wiki Mobile (Ad Free Wikipedia)

TOP APPS / BOOKS & REFERENCE

★★★★★ (1,296)

INSTALL

Formats Wikipedia perfectly for your phone WITHOUT ADS. Has bookmarks/save to SD - This is the fastest Wikipedia app available. Other wiki apps like Wikidroid and Wap...



Wapedia: wikis & encyclopedias

TAPTU / BOOKS & REFERENCE

★★★★★ (27,570)

INSTALL

Wapedia is the fastest way to access content from Wikipedia and many more wikis Taptu Wapedia is the fastest way to access content from Wikipedia and many other wikis....



Trending Apps



Wikipedia

WIKIMEDIA FOUNDATION

Official Wikipedia App for Android. Wikipedia is the free encyclopedia contain...



INSTALL



Shadow

DROIDHEN PUBLISHER

Unique 3D puzzle game, position the toy to match its own shadow! Every subject...



INSTALL



Roller Ball

WORDS MOBILE

Roller Ball is the No.1 skee ball style game with 3D graphics and great physics...



INSTALL



Gaslight

PIXOFACTOR, LLC

Enter the fun and exciting Steampunk universe of GASLIGHT! PixaFactor and Tap...



INSTALL



SCARE YOUR FRIENDS ULTI

ZASPHAN MOBILE

Want to scare your friends? It is very simple follow the instructions. How ...



INSTALL



GO Keyboard Fortune Dragon

GO KEYBOARD DEV TEAM

More cool more free! ##### Attention ##### this theme only run a...



INSTALL



GO Keyboard Festival Lantern

GO KEYBOARD DEV TEAM

More cool more free! ##### Attention ##### this theme only run a...



INSTALL



GO Keyboard Chinese Blessing

GO KEYBOARD DEV TEAM

More cool more free! More cool more free ##### Attention ##### t...



INSTALL



CheckPoints

MOST POPULAR REWARDS APP

Scan barcodes for products like Coca-Cola, Dreyer's and more in any store for...



INSTALL



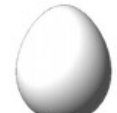
Cut and Slice

BEST ADDICTIVE BRAIN GAMES

Cut and Slice! The amazing Cut & Slice Free Game, a puzzle brain game! By Bes...



INSTALL



Egg Breaking

TANEM APPS

By shaking, You can break the egg. In the state the egg is cracked, By Touch...



INSTALL



3D Racing car

JACKYCROWN

3D Racing car wallpaper The most addictive racing wallpaper with realistic co...



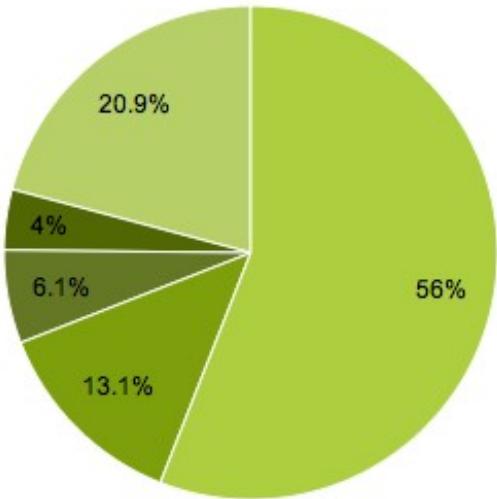
INSTALL

So whats next?



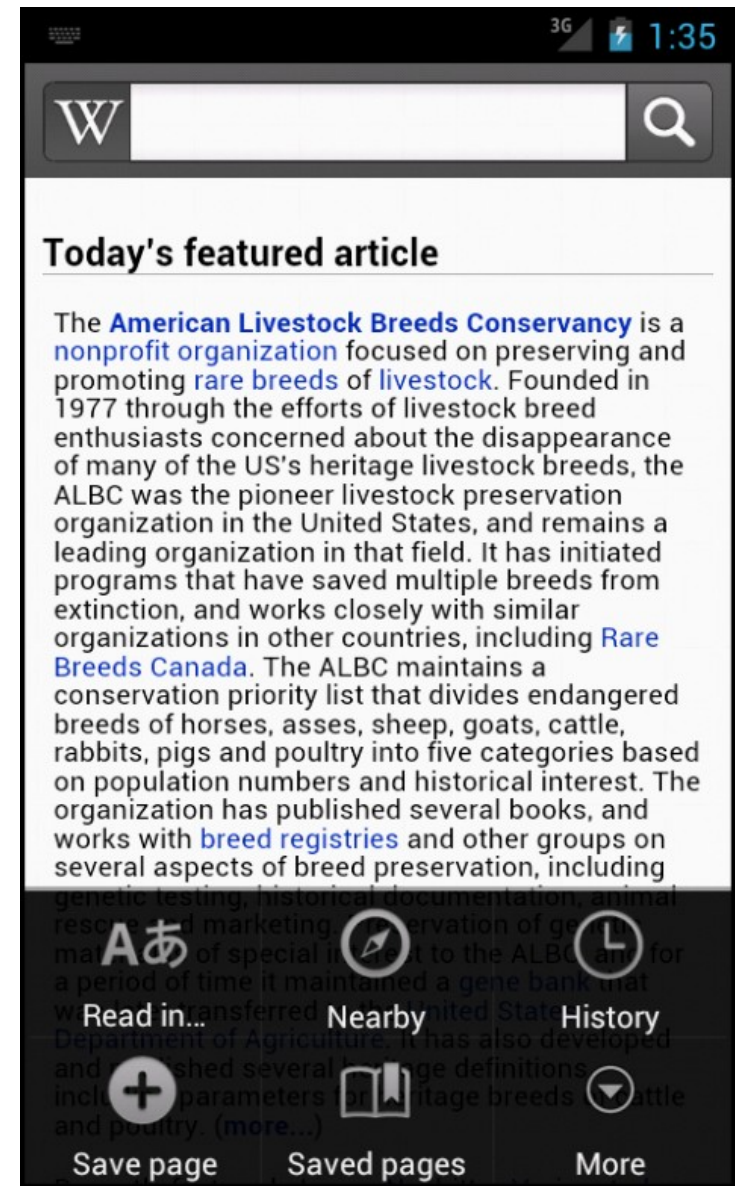
Attributes breakdown as of January 21, 2012

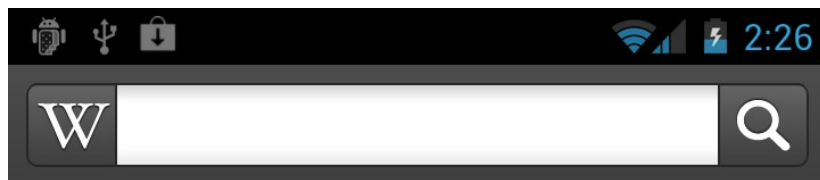
Platform version



| org.wikipedia | | | All apps in my category | |
|---------------|----------------|-----------------|-------------------------|-------|
| 1 | Android 2.3.3+ | 56.0% (112,394) | Android 2.3.3+ | 49.0% |
| 2 | Android 2.2 | 13.1% (26,305) | Android 2.2 | 29.5% |
| 3 | Android 4.0 | 6.1% (12,260) | Android 2.1 | 11.5% |
| 4 | Android 4.0.3 | 4.0% (7,951) | Android 3.1 | 0.9% |
| 5 | Android 3.2 | 2.4% (4,794) | Android 1.6 | 0.8% |
| 6 | Android 3.1 | 1.9% (3,868) | Android 3.2 | 0.7% |
| 7 | Android 2.3 | 0.5% (1,002) | Android 2.3 | 0.5% |
| 8 | Android 3.0 | 0.1% (181) | Android 1.5 | 0.4% |
| 9 | Android 2.1 | 0.1% (112) | Android 4.0 | 0.3% |
| 10 | | | Android 4.0.3 | 0.3% |

Were fugly on ICS





Brad Pitt

This article is about the actor. For the boxer, see [Brad Pitt \(boxer\)](#).

Brad Pitt



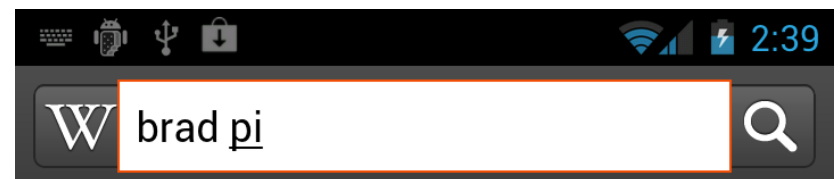
Pitt at the 2008 premiere of *Burn After Reading*

Born William Bradley Pitt
December 18, 1963
[Shawnee, Oklahoma, U.S.](#)

Alma mater [University of Missouri](#)

Occupation

- Actor
- producer



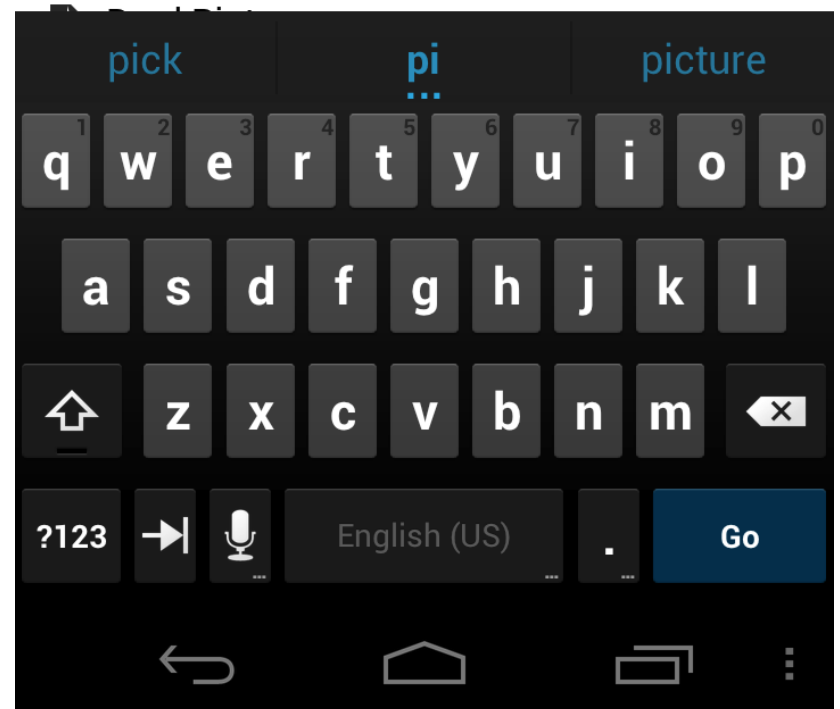
Brad Pitt

Brad Pickett

Brad Pitt (boxer)

Brad Pirie

Brad Pierce



Brad Pitt

This article is about the actor. For the boxer, see [Brad Pitt \(boxer\)](#).

Brad Pitt



Pitt at the 2008 premiere of *Burn After Reading*

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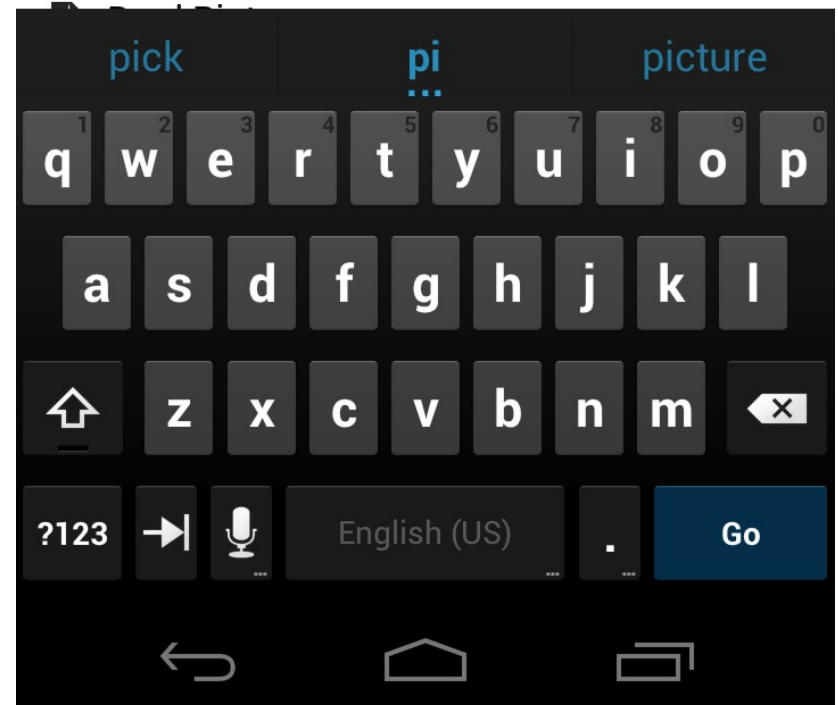
Brad Pitt

Brad Pickett

Brad Pitt (boxer)

Brad Pirie

Brad Pierce



But what about tablets?



Brad Pitt

Brad Pickett

Brad Pitt (boxer)

Brad Pirie

Brad Pierce

Brad Pitt

Brad Pickett

Brad Pitt (boxer)

Brad Pirie

Brad Pierce

Brad Pitt

Brad Pickett

Brad Pitt (boxer)

Brad Pirie

Brad Pierce

This article is about the actor. For the boxer, see [Brad Pitt \(boxer\)](#).

Brad Pitt



Pitt at the 2008 premiere of *Burn After Reading*

| | |
|--------------------------|--|
| Born | <div>William Bradley Pitt</div> <div>December 18, 1963</div> <div>Shawnee, Oklahoma, U.S.</div> |
| <i>Alma mater</i> | <div>University of Missouri</div> |
| Occupation | <div><ul style="list-style-type: none">Actorproducer</div> |
| Spouse | <div>Jennifer Aniston (m. 2000–2005) (divorced)</div> |
| Partner | <div>Angelina Jolie (2005–present)</div> |
| Children | <div>6</div> |

William Bradley "Brad" Pitt^[1] (born December 18, 1963) is an American actor and film producer. Pitt has received two [Academy Award](#) nominations and five [Golden Globe Award](#) nominations, winning one Golden Globe. He has been described as one of the world's most attractive men, a label for which he has received substantial media attention.^{[2][3]}

Pitt began his acting career with television guest appearances, including a role on the [CBS](#) prime-time soap opera *Dallas* in 1987. He later gained recognition as the cowboy hitchhiker who seduces [Geena Davis](#)'s character in the 1991 road movie *Thelma & Louise*. Pitt's first leading roles in big-budget productions came with *A River Runs Through It* (1992) and *Interview with the Vampire* (1994). He was cast opposite [Anthony Hopkins](#) in the 1994 drama *Legends of the Fall*, which earned him his first Golden Globe nomination. In 1995 he gave critically acclaimed performances in the crime thriller *Seven* and the science fiction film *12*

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Today's featured article



Mauna Kea is a **volcano** on the island of **Hawaii**. Standing 4,205 m (13,796 ft) above sea level, its peak is the **highest point in the state of Hawaii**. However, much of the mountain is under water; when measured from its oceanic base, Mauna Kea is over 10,000 m (33,000 ft) tall—significantly taller than **Mount Everest**. In **Hawaiian mythology**, the peaks of the island of Hawaii are sacred, and Mauna Kea is the most sacred of all. Mauna Kea can be ecologically divided into three sections: an **alpine climate** at its summit, a ***Sophora chrysophylla–Myoporum sandwicense*** forest on its flanks, and an ***Acacia koa–Metrosideros polymorpha*** forest, now mostly cleared by **the former sugar industry**, at its base. With its high altitude, dry environment, and stable airflow, Mauna Kea's summit is one of the best sites in the world for astronomical observation, and one of the most controversial. The **Mauna Kea Observatories** are used for scientific research across the **electromagnetic spectrum** from **visible** light to **radio**, and comprise the largest such facility in the world. Their construction on a "sacred landscape", replete with endangered species, ongoing cultural practices, and viewplanes used in the traditional Hawaiian measurement of time, continues to be a topic of intense debate and protest. **(more...)**

Recently featured: ***Press Gang*** – Diffuse panbronchiolitis – Privy Council of the United Kingdom

In the news

- In the **Republic of China** (Taiwan), **Ma Ying-jeou** (*pictured*) is **re-elected** as president and the **Kuomintang retains its majority** in the Legislative Yuan.
- The cruise ship ***Costa Concordia*** **runs aground and capsizes** off the coast of **Tuscany**, with at least six fatalities.
- In **Burma**, **government officials** and the **Karen National Union** agree on a ceasefire to end an **internal conflict** that began in 1948.
- Scientists describe a new species of frog, ***Paedophryne amauensis***, the **smallest known vertebrate**.
- Malam Bacai Sanhá**, President of Guinea-Bissau, dies in office at the age of 64.



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6:30 PM



But isn't the whole point to build
across platforms?

DEMO



iOS

This article is about Apple's mobile/tablet OS. For Cisco Systems' router/switch OS, see [Cisco IOS](#). For other uses, see [IOS \(disambiguation\)](#).



VERSION 1.0





English

العربية

Български

Català

Česky

Dansk

Deutsch

Eesti

Español

فارسی

Français

한국어

Հայերեն

Hrvatski

Íslenska

iOS

This article is about Apple's mobile/tablet OS. For Cisco Systems' router/switch OS, see [Cisco IOS](#). For other uses, see [IOS \(disambiguation\)](#).

iOS



iOS 5.0.1 running on an iPhone 4S

Company / developer

Apple Inc.

Programmed in

C, C++, Objective-C

OS family

Mac OS X/BSD/Unix-like

Working state

Current

Source model

Closed

Initial release

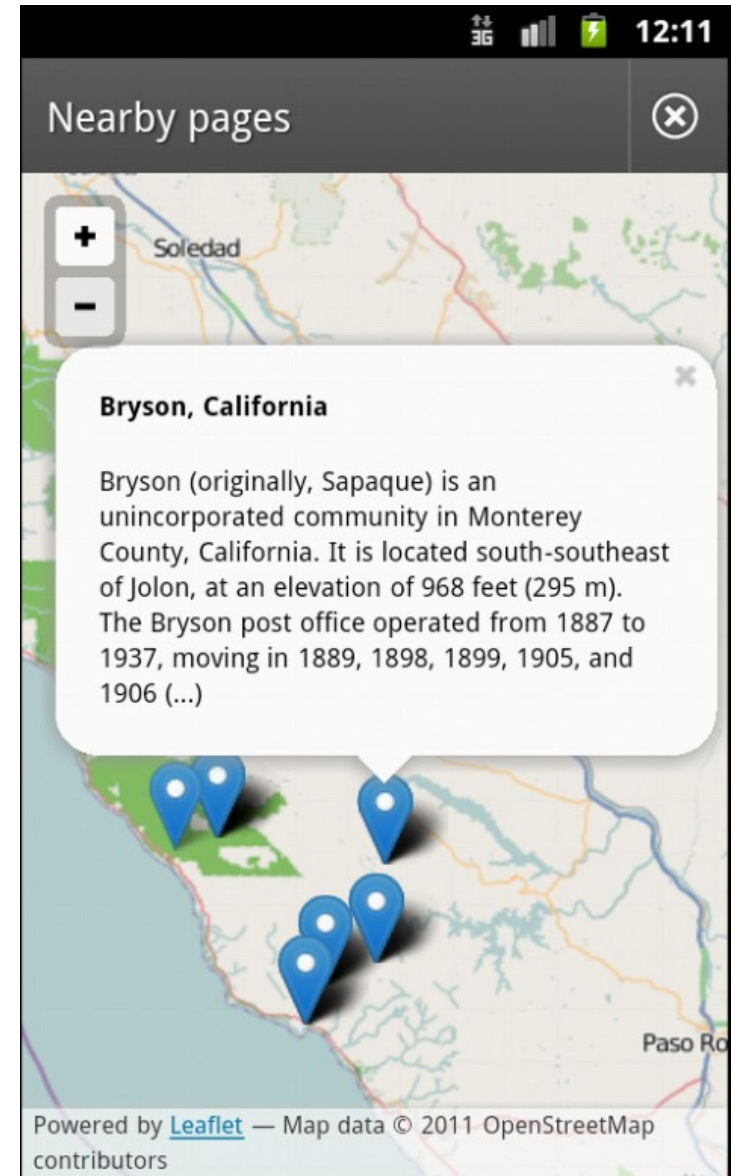
June 29, 2007

iOS

- Menus work great (thanks plugins)
- Had it running in a couple of hours
- Generally works out of the box
- ToDo
 - Near me (almost done with Open Street maps!)
 - Sharing (ShareKit)
 - Saving Articles

So .. about maps

Proprietary maps kind of suck



But isn't something missing from
the mobile projects?

Participation



Reach

Quality

Participation



Reach

Quality

Different ways to contribute

- Photo Uploads
- GPS coordinates
- Micro contributions
- Spelling correction
- Block level editing

Different ways to contribute

- Photo Uploads
- GPS coordinates
- Micro contributions
- Spelling correction
- Block level editing



Select a media file

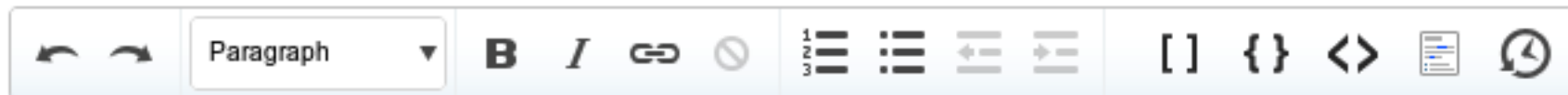
Take a picture

Back

Next



But what about editing?



Direct manipulation interface

In [computer science](#), direct manipulation is a [human-computer interaction](#) style which involves continuous representation of objects of interest, and rapid, reversible, incremental actions and feedback. The intention is to allow a user to directly manipulate objects presented to them, using actions that correspond at least loosely to the physical world. An example of direct-manipulation is resizing a graphical shape, such as a rectangle, by dragging its corners or edges with a [mouse](#).

Having real-world metaphors and actions can make it easier to learn and use an interface (some might say that the interface is more natural or intuitive), and rapid, incremental feedback allows a user to make fewer errors and complete tasks more quickly. To see the results of an action before completing the action, thus even small mistakes.

The term was introduced by [Ben Shneiderman](#) in 1983 within the context of office applications and the desktop metaphor.^[1] Individuals in academia and computer scientists doing research on future user interfaces often put as much or even more stress on tactile control and feedback, or sonic control and feedback than on the visual feedback given by most [GUIs](#). As a result the term direct manipulation interface has been more widespread in these environments.^[citation needed]

In closing

- Thanks PhoneGap
- There is more to do
- Lets push mobile contributions

Fork the code

<https://github.com/wikimedia/WikipediaMobile>

Join the mailing list

mobile-l@lists.wikimedia.org

Were Hiring

jobs.wikimedia.org

Questions

Tomasz Finc - tomasz@wikimedia.org

~

@WikimediaMobile

http://meta.wikimedia.org/wiki/Mobile_Projects

<http://wikitech.wikimedia.org/view/Presentations>