



SMILE ON YOUR FACE DURING WIKI INTER-FACE

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ABSTRACT

The website www.wikipedia.org is now becoming crazy among the web hunting persons of modern era. The new horizon of wired generation is proceeding towards with the running Encyclopædias by the frequent usage of web-glossary of Wikipedia.



This is a compendium of informative dictionary. A wiki is a type of website that can be edited by visitors using only their web browser. The name "wiki-wiki" comes from the word that means QUICK in the Hawaiian language and is an apt name for these sites that can be quickly and easily modified. Wikis are useful for collaborative document creation because the document viewing and editing are integrated on-line. In a typical wiki, a visitor to the website can edit a page by clicking on the appropriate link. The page content is edited in simple markup language and saved. Wikipedia is a multilingual, web-based, free content Encyclopædias project. Global acceptance of this website has made our life "made easy" only by single click on mouse with lots of latest information from mice of animal house to the mouse of a computer!

KEYWORDS: Meta-Wiki, Wikipedia, Wikimedia Commons, Media wiki, Wiki news, Wiktionary, Wiki source, Wiki quote, Wiki data, Wiki books, Wiki species, Wiki versity, Wiki voyage

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INTRODUCTION:



Figure 1: Global Wikipedia

The gold coin WIKIPEDIA can be tailored as:

W: Web-glossary

I: Informative

K: Key

I: Into to

P: Pathway

E: Enormous

D: Database

I: Interface

A: Abridgement

Wikipedia was launched as the English Wikipedia in January 15, 2001, as a complement to Nupedia founded in March 9, 2000, an expert-written and now defunct Encyclopædias. The project is now operated by the Wikimedia Foundation, a non-profit organization Created by Jimmy Wales and Larry Sanger who is the co-founder of **Wikipedia**.



Jimmy Wales

Larry Sanger

Figure 2: Founders of Wikipedia

Specialized general science Encyclopædias:¹

- ❖ McGraw-Hill Encyclopædias of Science and Technology
- ❖ Van Nostrand's Scientific Encyclopædias.
- ❖ Encyclopædias of Physical Science and Technology: - this work keeps the traditional alphabetical arrangement of an Encyclopædias; it contains a detailed subject index and a relational index, as well as a glossary.
- ❖ Kirk-Othmer Encyclopædias of Chemical Technology:-The massive set, which began to be published in its fourth edition in 1991, is now complete in 25 volumes, and a fifth edition is in the works. About one-half of the articles deal with chemical substances, and in those articles one can find a wealth of information on everything from physical properties to environmental concerns. But there are also many articles on such topics as industrial processes, uses made of chemical substances, pharmaceuticals, dyes, fibers, food, etc.

❖ Encyclopædias of Inorganic Chemistry: with 260 main articles and over 860 short definitions, etc. in 8 volumes (also on CD-ROM).

❖ Encyclopædias of Analytical Science: It is in 10 volumes. The main article on the topic covers nearly 250 pages of the work, divided into sections dealing with "Theory and Instrumentation," "Techniques," and "Applications." On the other hand, the 3-volume Encyclopædias of Spectroscopy and Spectrometry has only an 8-page article on the historical perspective of mass spectrometry.

❖ Encyclopædias of Computational Chemistry: it is in 5 volumes.

Wikinews is run by the non-profit Wikimedia Foundation, which operates several other multilingual and free-content projects.

Types	Description	Types	Description	Types	Description
Meta-Wiki	Coordination of all Wikimedia projects	Wiktionary	Dictionary and thesaurus	Wiki books	Free textbooks and manuals
Wikipedia	The free Encyclopædias	Wiki source	The free library	Wiki species	Directory of species
Wikimedia Commons	Shared media repository	Wiki quote	Collection of quotations	Wiki versity	Free learning tools
Media wiki	Wiki software development	Wiki data	Free knowledge base	Wiki voyage	Free travel guide
Wiki news	Free-content news	*****			

Table 1: Classes of Wikipedia



Meta-Wiki

Meta, or Wikimedia's Meta-Wiki, at meta.wikimedia.org, is a wiki-based web site that is auxiliary for coordination of all the Wikimedia Foundation projects.

Created as *Meta-Wikipedia* in November 2001, it now serves several distinct roles:

1. Discussion and formulation of the Wikimedia projects, including Wikipedia, and in particular policy discussion.
2. A forum for personal essays that are not necessarily NPOV.
3. A place to organize and prepare content, to discuss interlanguage co-ordination issues.
4. A place to coordinate the development process.
5. A help guide to using the Media-Wiki software when the help is not in the Media-Wiki website.
6. A place for co-ordination of anti-spam and small wiki anti-vandalism.

Meta currently serves as one of the major avenues of discussion for Wikimedians including Wikipedians, the others being the mailing lists, the IRC channels, and the talk pages of individual articles and users. Meta is an independent and autonomous project from the English language Wikipedia and thus has its own policies and customs, which often differ from those here.

Originally focused on the English language version of Wikipedia, Meta has, since its upgrade to Wikipedia's custom Media-Wiki software, become a multilingual discussion forum used by all Wikimedia language communities.



Wikipedia

Wikipedia is a collaboratively edited, multilingual, free Internet Encyclopædias supported by the non-profit Wikimedia Foundation. Wikipedia's 26 million articles in 286 languages, over 4.2 million in the English Wikipedia alone, are written collaboratively by volunteers around the world. Almost all of its articles can be edited by anyone with access to the site. It has become the largest and most popular general reference work on the Internet, ranking sixth globally among all websites on Alexa and having an estimated 365 million readers worldwide. Wikipedia was launched on January 15, 2001, by Jimmy Wales and Larry Sanger. Sanger coined the name *Wikipedia*, which is a portmanteau of **wiki** (a type of

collaborative website, from the Hawaiian word *wiki*, meaning "quick") and *Encyclopædias*. Wikipedia's departure from the expert-driven style of Encyclopædias building and the presence of a large body of unacademic content have received extensive attention in print media. In 2006, *Time* magazine recognized Wikipedia's participation in the rapid growth of online collaboration and interaction by millions of people around the world, in addition to YouTube, MySpace, and Facebook. Wikipedia has also been praised as a news source due to articles related to breaking news often being rapidly updated.



Wikimedia Commons

Wikimedia Commons (also called "Wikicommons", "the Commons" or just "Commons") is a repository of free content images, sound and other multimedia files. Like Wikipedia, it is a project of the Wikimedia Foundation. It provides a common resource repository to all the various Wikimedia sister projects in any language.

The files uploaded to the **Commons** repository can be used like locally uploaded files on all projects on the Wikimedia servers in all languages, including Wikipedia, Wikibooks, Wikisource and Wikinews, or downloaded for offsite use, as all of the content is either in the public domain or released under licenses such as the Creative Commons Attribution/Share-Alike License and GNU Free Documentation License.



Media wiki MediaWiki

Media wiki is a free wiki software application. Developed by the Foundation and others, it is used to run all of the projects hosted by the Foundation, including Wikipedia, Wiktionary and Commons. Numerous other wikis around the world also use it to power their websites. It is written in the PHP programming language and uses a backend database. The software's code is structured functionally. The first version of the software was deployed to serve the needs of the free content Wikipedia Encyclopædias in 2002. It has been deployed since then by many companies as a content management system for internal knowledge management.

Notably, Novell uses it to operate several of its high-traffic websites. Thousands of websites use Media Wiki. Some

educators have also assigned students to use Media Wiki for collaborative group projects.

The software is optimized to correctly and efficiently handle projects of all sizes, including the largest wikis, which can have terabytes of content and hundreds of thousands of hits per second. Because Wikipedia is one of the world's largest websites, achieving scalability through multiple layers of caching and database replication has also been a major concern for developers. Wikipedia and other Wikimedia projects continue to define a large part of the requirement set for Media Wiki. The software is highly customizable, with more than 700 configuration settings and more than 1,800 extensions available for enabling various features to be added or changed. Only on Wikipedia, more than 1000 automated and semi-automated bots and other tools have been developed to assist in editing Media Wiki sites.



Wiki news Wikinews is a free-content news source wiki and a project of the Wikimedia Foundation. The site works through collaborative journalism. Wikipedia co-founder Jimmy Wales has distinguished Wikinews from Wikipedia by saying "on Wikinews, each story is to be written as a news story as opposed to an Encyclopædias article." The neutral point of view policy espoused in Wikinews distinguishes it from other citizen journalism efforts such as Indy media and OhmyNews. In contrast to most projects of the Wikimedia Foundation, Wikinews allows original work under the form of original reporting and interviews. The English Wikinews is the only Wikimedia site that grants press to reporters endorsed by the local community. According to The wall et al., Wikinews has been most successful in covering large news events involving large numbers of people, such as Hurricane Katrina and the Virginia Tech Shootings, where first-hand experience, or the availability of first-hand accounts, forms a larger part of the entry, and where the wealth of reportage makes a central "clearing house" valuable.



Wiktionary Wiktionary (from the words *wiki* and *dictionary*) is a multilingual, web-based project to create a free content dictionary, available in 158 languages. Unlike standard dictionaries, it is written collaboratively by volunteers, dubbed "Wiktionarians",

using wiki, allowing articles to be changed by almost anyone with access to the website.

Like its sister project Wikipedia, Wiktionary is run by the Wikimedia Foundation. Because Wiktionary is not limited by print space considerations, most of Wiktionary's language editions provide definitions and translations of words from many languages, and some editions offer additional information typically found in thesauri and lexicons. Additionally, the English Wiktionary includes **Wikisaurus**, a category that serves as a thesaurus, including lists of slang words, and the **Simple English Wiktionary**, compiled using the Basic English subset of the English language.

The goal of Wiktionary is to eventually define "all words in all languages. Wiktionary was brought online on December 12, 2002, following a proposal by Daniel Alston and an idea by Larry Sanger, co-founder of Wikipedia. On March 28, 2004, the first non-English Wiktionaries were initiated in French and Polish. Wiktionaries in numerous other languages have since been started. Wiktionary was hosted on a temporary domain name (wiktionary.wikipedia.org) until May 1, 2004, when it switched to the current domain name. As of May 2009, Wiktionary features well over 5 million entries across its 272 language editions. The largest of the language editions is the English Wiktionary, with over 3.3 million entries, followed by the French and the Malagasy Wiktionaries with over 2.3 million entries each. Nineteen Wiktionary language editions now contain over 100,000 entries each.



Wiki source Wiki source is an online digital library of free content textual sources on a wiki, operated by the Wikimedia Foundation. Its aims are to host all forms of free text, in many languages, and translations. Originally conceived as an archive to store useful or important historical texts, it has expanded to become a general-content library. The project officially began in November 24, 2003 under the name **Project Source berg**. The name Wikisource was adopted later that year and it received its own names even months later. The project has come under criticism for lack of reliability but it is also cited by organizations such as the National Archives and Records Administration.

The project holds works that are either in the public domain or freely licensed; professionally published works or historical source documents, not vanity products; and are verifiable. Verification was initially made offline, or by trusting the reliability of other digital libraries. Now works are supported by online scans via the Proofread Page

extension, which ensures the reliability and accuracy of the project's texts. Some Wikisource now only allow works backed up with scans. While the bulk of its collection is texts, Wikisource hosts other media, from comics to film to audio books. The only original works allowed on Wikisource are translations and annotations.



Wiki quote

Wiki quote is one of a family of wiki-based projects run by the Wikimedia Foundation, running on Media Wiki software. Based on an idea by Daniel Alston and implemented by Brion Vibber, the goal of the project is to produce collaboratively a vast reference of quotations from prominent people, books, films and proverbs, and to give details about them with appropriate attribution. Though there are many online collections of quotations, Wikiquote is distinguished by being among the few that provide an opportunity for visitors to contribute. Wikiquote pages are cross-linked to articles about the notable personalities on Wikipedia. Initially, the project was created solely in English; a later expansion to include additional languages was started in July 2004.



Wikidata

Wikidata is a collaboratively edited knowledge base operated by the Wikimedia Foundation. It is intended to provide a common source of certain data types (for example, birth dates) which can be used by Wikimedia projects such as Wikipedia. This is similar to the way Wikimedia Commons provides storage for media files and access to those files for all Wikimedia projects. Wikidata was launched on 30 October 2012 and was the first new project of the Wikimedia Foundation since 2006. At this time, only the first phase was available. This enabled items to be created and filled with basic information; a label — a name or title, aliases — alternative terms for the label, a description, and interlanguage links for Wikipedia articles about the topic.

Initially, Wikidata was a self-contained repository of interlanguage links. No Wikipedia language editions were able to access Wikidata, and therefore had to continue to maintain their own sets of interlanguage links.



Wikibooks

Wiki books was launched on July 19, 2003, in response to a request made by Wikipedia contributor Karl Wick for a project to host and build free textbooks on subjects such as organic chemistry and physics. Two major sub-projects, Wiki junior and Wikiversity, were created within Wikibooks before its official policy was later changed so that future incubator type projects are started according to the Wikimedia Foundation's new project policy. In August 2006, Wikiversity became an independent Wikimedia Foundation project.



Wikispecies

Wiki species is a wiki-based online project supported by the Wikimedia Foundation. Its aim is to create a comprehensive free content catalogue of all species and is directed at scientists, rather than at the general public. Jimmy Wales—chairman emeritus of the Wikimedia Foundation—stated that editors are not required to fax in their degrees, but that submissions will have to pass muster with a technical audience. Wikispecies is available under the GNU Free Documentation License and CC-BY-SA 3.0.

Started in September 2004, with biologists across the world invited to contribute, the project had grown a framework encompassing the Linnaean taxonomy with links to Wikipedia articles on individual species by April 2005.



Wikiversity

Wikiversity is a Wikimedia Foundation project, which supports learning communities, their learning materials, and resulting activities. It differs from more structured projects such as Wikipedia in that it instead offers a series of tutorials, or courses, for the fostering of learning, rather than formal content. Wikiversity's beta phase officially began on August 15, 2006 with the English language Wikiversity. The idea of Wikiversity began with the initial development of the Wikiversity community within the Wikibooks project, however when it was nominated for deletion from Wikibooks, soon there was a proposal to make Wikiversity an independent Wikimedia project, with the fundamental goal to broaden the scope of activities within the

Wikimedia community to include additional types of learning resources in addition to textbooks. Two proposals were made. The first project proposal was not approved (2005) and the second, modified proposal, was approved (2006). The launch of Wikiversity was announced at Wikimania 2006 as:



Wiki voyage

Wiki voyage is a free web-based travel guide for both travel destinations and travel topics written by volunteer authors. The name is a portmanteau of the words "Wiki" (an Internet-based software system that allows change and extension of the text by any user) and "Voyage", the French word for travel, journey, or trip.

The project was started when editors at the German and then Italian versions of Wiki travel decided in September 2006 to move their editing activities and current content to a new site, in accordance with the site license, a procedure known as "forking". The resulting site went live as "Wikivoyage" on December 10, 2006 and was owned and operated by a German association set up for that purpose, Wikivoyage e.V. (which currently continues to be its representative association). Content was published under the copy left license Creative Commons Attribution-Share Alike.

In 2012, following a lengthy history of dissatisfaction with their existing host, the English-language version community of Wikitravel also decided as a community to fork their project. In a three way move, the English Wikitravel community re-merged with Wikivoyage under the Wikivoyage brand, and also all Wikivoyage language versions moved their operations to be hosted by

the Wikimedia Foundation (WMF), a non-profit organization which hosts several of the world's largest wiki based communities such as Wikipedia. Following agreements by the various communities involved and the Wikimedia Foundation, the site was moved to the WMF servers in December 2012 and the entirety of Wikivoyage was officially re-launched as a Wikimedia hosted project on January 15, 2013, the day of the 12th anniversary of Wikipedia's launching.²⁻⁹

Other areas of Wikipedia:¹⁰

- ❖ Help desk: Ask questions about using Wikipedia.
- ❖ Reference desk: Serving as virtual librarians, Wikipedia volunteers tackle your questions on a wide range of subjects.
- ❖ Village pump: For discussions about Wikipedia itself, including areas for technical issues and policies.
- ❖ Community portal: Bulletin board, projects, resources and activities covering a wide range of Wikipedia areas.
- ❖ Site news: Announcements, updates, articles and press releases on Wikipedia and the Wikimedia Foundation.
- ❖ Local embassy: For Wikipedia-related communication in languages other than English.

APPLICATION IN PHARMACEUTICAL CHEMISTRY:

Encyclopædias, like dictionaries, are tools designed to provide first and essential facts on a topic. General Encyclopædias usually have a wealth of information on scientific topics, and we now see them becoming accessible on the Web. One such example is Britannica Online, the Web counterpart to the venerable Encyclopædias Britannica. (Also found at the site is Merriam Webster's Collegiate Dictionary.)¹¹



Figure 3: Spatial arrangements of molecules studied by Mass spectra

APPLICATION IN MEDICAL SCIENCES:

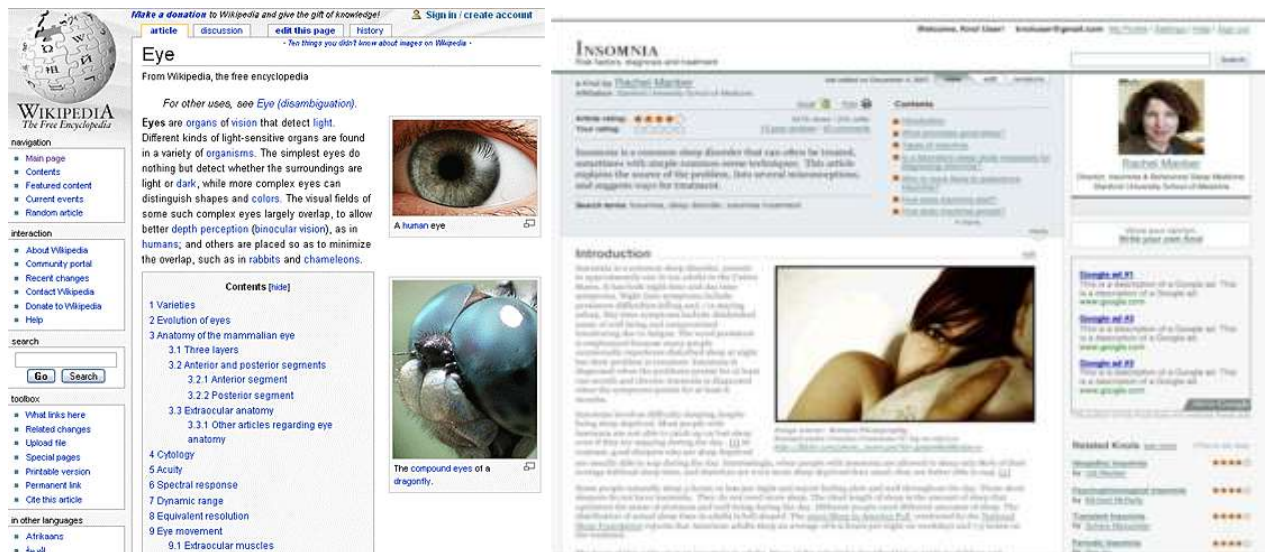


Figure 4: Physiological information by Wikipedia

Any current information can be easily obtained by wiki web hunting. Wikipedia has approximately six million articles in 250 languages, 1.7 million of which are in the English edition. It has steadily risen in popularity since its inception, and currently ranks among the top ten most-visited websites worldwide. Critics have questioned Wikipedia's reliability and accuracy. The site has also been criticized for its susceptibility to vandalism, uneven quality, systemic bias and inconsistencies, and for favouring

consensus over credentials in its editorial process. Wikipedia's content policies and sub-projects set up by contributors seek to address these concerns. Two scholarly studies have concluded that vandalism is generally short-lived and that Wikipedia is roughly as accurate as other Encyclopædias. Wikipedia began as a complementary project for Nupedia, a free online Encyclopædias project whose articles were written by experts and reviewed by a formal process.¹²



Figure 5: Web dictionary

CONCLUSION:

A recent investigation by the journal Nature found that Wikipedia was nearly as accurate as the peer-reviewed Encyclopædias Britannica. This success is offset somewhat by the ability to disrupt the site and of the vocal and persistent to dominate discussion. A wiki website is an ideal format for content that consists of short entries on

well-defined subjects-something found in Encyclopædias and glossaries. Each entry is given its own page that can be linked to other pages and included in an overall list of terms. Pages can be tagged by one or more categories and alphabetization and sorting is automatic. Wiki websites are potentially useful tools for collaborative development of glossaries of nomenclature and terminology that are often

encountered in IUPAC projects. In a traditional wiki, such as Wikipedia, visitors can edit content. However, a wiki website can be set up for editing by registered users or by a few trusted users. In the early stages of a project, the wiki can be open for editing by all users. As the project progresses, access is limited to task group members and once archived with no further work necessary.

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