# History of Internet [The evolution]

## Who started Internet?

The internet was first started in the 1960s as a way for government researchers to share information. And it was invented by Robert E.Kahn and Vint Cerf. And late 1966 Roberts went to DARPA to develop the computer network concepts and quickly put together his plan for the “ARPANET”, publishing it in 1967. Arpanet was for the Advanced Research Projects Agency. The internet is a worldwide system of interconnected computer networks that use the TCP/IP set of network protocols to reach billions of users. The internet began as a U.S Department of Defense network to link scientists and university professors around the world. The world's largest network of computer networks got its original name from the U.S. military arm that funded it. Since then, the Internet has undergone more than just a name change. The number of computers connected to the Internet has grown exponentially, while the number of users has risen from a handful of computer scientists to 1.5 billion consumers. The network's reach has expanded beyond the United States to every corner of the globe.

Arpanet was renamed the Internet in 1984, when it linked 1,000 hosts at university and corporate labs.  Today, the Internet links more than 440 million computers directly, and millions more have Internet access through private addressing schemes. Internet usage has exploded since 1995, when researchers first started tracking this statistic. Although estimates vary from the Internet having 1 billion to 1.5 billion users, everyone agrees that the 'Net has room for growth as the worldwide population tops 6 billion. That leaves more than 4 billion people around the world without Internet access today.

In 1990, Tim Berners-Lee invented the World Wide Web as a method of publishing information in a hypertext format on the Internet. The Web began to take off in 1993, after computer science student Marc Andreessen created the first popular Web browser, known as Mosaic. Since then the number of Web sites and Web pages has exploded.

## Internet today

The Internet today interconnects a large number of computers and networks throughout the world. The internethas been one of our most transformative and fast-growing technologies. The Internet will continue along its phenomenal growth path. What's different is that the Internet will become increasingly mobile and social. And now people can easily access the internet via cell phones than PCs. They can download music, videos and ringtones rather than searching the web or sending e-mail.

The primary networking protocol used on the Internet today is referred to as TCP/IP. This is a suite of products and protocols that includes the following: Internet protocol (IP), transmission control protocol (TCP), user data protocol (UDP), serial line IP(SLIP), point-to-point protocol (PPP).

Type of websites

A website is a collection if electronic documents. It is a collection of related webpages. There are 12 types of websites. This are portal, News, Informational, Business/Marketing, Educational, Entertainment, Advocacy, Blog, WIKI, Social Network, Content Aggregator and Personal. Example on each type of websites are written down below together with their URL and description.

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| **Social networking sites** | **URL** | **Description** |
| Facebook | [https://web.archive.org/web/2019\*/facebook.com](https://web.archive.org/web/2019*/facebook.com) | Facebook was founded by Mark Zuckerberg. It is useful to stay connected with friends and family. And also, to discover what is going on in the world. |
| WhatsApp | [https://web.archive.org/web/2019\*/WhatsApp.com](https://web.archive.org/web/2019*/WhatsApp.com) | WhatsApp was founded by Brian Acton and Jan Koum in 2009. And it allows people to send messages, pictures, videos and even voice recordings. |
| Instagram | [https://web.archive.org/web/\*/instagram.com](https://web.archive.org/web/*/instagram.com) | Instagram was founded by Kevin Systrom and Mike Krieger in 2012. It is a social media app that allows users to share photos and videos. |
| twitter | [https://web.archive.org/web/\*/twitter.com](https://web.archive.org/web/*/twitter.com) | Twitter was found by Jack Dorsey in 2006. It is useful to connect people and also allow people to share their thoughts with a big audience. |
| WeChat | [https://web.archive.org/web/2019\*/weChat.com](https://web.archive.org/web/2019*/weChat.com) | WeChat is the all-in-one app. Previously it was only used for sending instant messages, but now it forms the basis of our daily digital life. |

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| **News websites** | **URL** | **Description** |
| CNN news | [https://web.archive.org/web/2019\*/cnnnews.com](https://web.archive.org/web/2019*/cnnnews.com) | CNN was founded in 1980 by American media proprietor Ted Turner as a 24-hour cable news channel. |
| BBC news | [https://web.archive.org/web/2019\*/bbcnews.com](https://web.archive.org/web/2019*/bbcnews.com) | BBC News is a British free-to-air television news channel. |
| Fox news | [https://web.archive.org/web/2019\*/Foxnews.com](https://web.archive.org/web/2019*/Foxnews.com) | The Fox news was founded by media mogul Rupert Murdoch in 1996. |
| NBC news | [https://web.archive.org/web/2019\*/NBCnews.com](https://web.archive.org/web/2019*/NBCnews.com) | NBC was the U.S.'s first major broadcast network, founded in New York City in 1926 by the Radio Corporation of America as a ploy to sell radios. |
| Google news | [https://web.archive.org/web/2019\*/Googlenews.com](https://web.archive.org/web/2019*/Googlenews.com) | The initial idea of Google news was developed by Krishna Bharat. |

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| **Marketing websites** | **URL** | **Description** |
| LinkedIn | [https://web.archive.org/web/2019\*/linkedin](https://web.archive.org/web/2019*/linkedin).com | LinkedIn was founded by Konstantin Guericke, Jean-Luc Vaillant, Reid Hoffman and Allen Blue. It is a professional social media network, where users create profiles highlighting current and prior work experience. |
| Yelp | [https://web.archive.org/web/2019\*/yelp.com](https://web.archive.org/web/2019*/yelp.com) | Yelp was founded in 2004 to help people find great local businesses like dentists, hair stylists and mechanics. |
| Bloomberg | [https://web.archive.org/web/2019\*/Bloomberg.com](https://web.archive.org/web/2019*/Bloomberg.com) | **Bloomberg** quickly and accurately delivers business and financial information, news and insight around the world. |
| Forbes | [https://web.archive.org/web/2019\*/forbes.com](https://web.archive.org/web/2019*/forbes.com) | David Churbuck foundedForb**s** web site in 1996.Forbes magazine was the only major business magazine in the United States throughout the 1920s. |
| MOGUL | [https://web.archive.org/web/2019\*/MOGUL.com](https://web.archive.org/web/2019*/MOGUL.com) | Mogul is a technology platform and mobile app for women. It was founded in 2014 by Tiffany Pham and David Pham. |

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| **Advocacy** | **URL** | **Description** |
| ASISTA | [https://web.archive.org/web/2019\*/ASISTA.com](https://web.archive.org/web/2019*/ASISTA.com) | ASISTA provides national leadership, advocacy, training, and technical support to enhance access to safety and justice for immigrant crime survivors. |
| Change.org | [https://web.archive.org/web/\*/change.org](https://web.archive.org/web/*/change.org) | Change was founded by Ben Rattray. It is a petition website. And it claims to have over 240 million users. |
| TFC | [https://web.archive.org/web/\*/TFC.com](https://web.archive.org/web/*/TFC.com) | Training for Change is a training and capacity building organization for activists and organizers. |
| MADRE | [https://web.archive.org/web/\*/MADRE.com](https://web.archive.org/web/*/MADRE.com) | MADRE is global women's rights. Its funds work to meet urgent needs in communities, enhance women's leadership and build strong local institutions. |
| NCCS | [https://web.archive.org/web/2019\*/NCSS.com](https://web.archive.org/web/2019*/NCSS.com) | NCCS which stands for National Coalition for Cancer Survivorship. It is a master navigator of the daunting world of childhood cancer. |

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| **Blog** | **URL** | **Description** |
| Wix.com | [https://web.archive.org/web/2019\*/wix.com](https://web.archive.org/web/2019*/wix.com) | WIX was founded in 2006 by Israeli developers Avishai Abraham**i**, Nadav Abrahami, and Giora Kaplan.  It allows users to createHTML5 websites and mobile sites through the use of online drag and drop tools. |
| Wordpress.com | [https://web.archive.org/web/2019\*/wordpress.com](https://web.archive.org/web/2019*/wordpress.com) | WordPress was released on May 27, 2003, by its founders, American developer Matt Mullenweg and English developer Mike Little. WordPress has also been used for other application domains such as pervasive display systems (PDS). |
| Ghost.org | [https://web.archive.org/web/2019\*/Ghost.org](https://web.archive.org/web/2019*/Ghost.org) | The idea for the Ghost platform was first written about at the start of November 2012, in a blog post by project founder John O'Nolan, the former deputy leads for the WordPress User Interface team. |
| Joomla.com | [https://web.archive.org/web/2019\*/Joomla.com](https://web.archive.org/web/2019*/Joomla.com) | Johan is most known as co-founder and lead developer of Joomla. It is an open source platform on which Web sites and applications can be created. |
| Medium.com | [https://web.archive.org/web/2019\*/Medium.com](https://web.archive.org/web/2019*/Medium.com) | Ev Williams founded Medium in 1999. Medium is a blogging platform, like WordPress or Blogger. |

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| **WIKI** | **URL** | **Description** |
| Wikipedia.org | [https://web.archive.org/web/2019\*/Wikipedia.org](https://web.archive.org/web/2019*/Wikipedia.org) | Wikipedia was started on January 15, 2001, by Jimmy Wales and Larry Sanger. It is Initially an English-language encyclopedia, versions of Wikipedia in other languages were quickly developed. |
| Wikimedia.org | [https://web.archive.org/web/2019\*/Wikimedia.org](https://web.archive.org/web/2019*/Wikimedia.org) | Wikimedia was founded by Jimmy Wales. It is a foundation and it is also free, open content, wiki-based internet project. |
| Wordreference.com | [https://web.archive.org/web/2019\*/Wordreference.com](https://web.archive.org/web/2019*/Wordreference.com) | Word Reference is online translation dictionary for different languages. |
| Wikitionary.org | [https://web.archive.org/web/2019\*/Wikitionary.org](https://web.archive.org/web/2019*/Wikitionary.org) | Wiktionary is a multilingual, web-based project to create a free content dictionary of terms in all-natural languages and a number of artificial languages. |
| Wikihow.com | [https://web.archive.org/web/2019\*/Wikihow.com](https://web.archive.org/web/2019*/Wikihow.com) | Wiki Howis an online wiki-style community consisting of an extensive database of how-to guides. |

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| **Content Aggregator** | **URL** | **Description** |
| Alltop.com | [https://web.archive.org/web/2019\*/Alltop.com](https://web.archive.org/web/2019*/Alltop.com) | Founded by startup legend Guy Kawasaki, Alltop is one of the biggest names in content aggregation. |
| Popurls.com | [https://web.archive.org/web/2019\*/popurls.com](https://web.archive.org/web/2019*/popurls.com) | Created by Thomas Marban in 2005 as a single-page news aggregator.  Popurls  provides users with a clear picture of what's going on in the world each day. |
| Metacritic | [https://web.archive.org/web/2019\*/Metacritic.com](https://web.archive.org/web/2019*/Metacritic.com) | Metacritic was created by Jason Dietz, Marc Doyle, and Julie Doyle Roberts in 1999. It uses aggregated content to create meta content like ranking the classic film franchises using the aggregated reviews. |
| Panda | [https://web.archive.org/web/2019\*/panda.com](https://web.archive.org/web/2019*/panda.com) | Panda is a great tool for anyone working as a web designer, developer, or who has the entrepreneurial spirit. |
| Feedly.com | [https://web.archive.org/web/2019\*/Feedly.com](https://web.archive.org/web/2019*/Feedly.com) | Feedly is fully customizable with both a paid and free aggregator service and an unrivaled range of sources. |

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| **Educational websites** | **URL** | **Description** |
| Bright Storm | [https://web.archive.org/web/2019\*/brightstorm.com](https://web.archive.org/web/2019*/brightstorm.com) | Bright Storm was founded by Bumsoo Kim, Jeff Marshall, and Chris Walsh in 2008.It is an online learning platform for teenagers. |
| EDX | [https://web.archive.org/web/2019\*/edx.org](https://web.archive.org/web/2019*/edx.org) | Created by Massachusetts Institute of Technology and Harvard University. |
| Future Channel | [https://web.archive.org/web/2019\*/thefutureschannel.com](https://web.archive.org/web/2019*/thefutureschannel.com) | The Futures Channel was founded in 1999 with the goal of using new media technologies to create a channel between the scientists, engineers, explorers and visionaries who are shaping the future, and today’s learners who will one day succeed them. |
| Big Think | [https://web.archive.org/web/2019\*/bigthink.com](https://web.archive.org/web/2019*/bigthink.com) | Big Think is a multimedia web portal founded in 2007 by Victoria Brown and Peter Hopkins. The website is a collection of interviews, presentations, and roundtable discussions with experts from a wide range of fields. |
| Coursera | [https://web.archive.org/web/2019\*/courser.org](https://web.archive.org/web/2019*/courser.org) | Coursera  is an American online learning platform founded in 2012 by Stanford professors Andrew Ng and Daphne Koller that offers massive open online courses (MOOC), specializations, and degrees. |

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| **Entertainment** | **URL** | **Description** |
| Netflix | [https://web.archive.org/web/2019\*/netflix.com](https://web.archive.org/web/2019*/netflix.com) | The founder of Netflix are Reed Hastings and Marc Randolph. It is used to watch movies or tv shows. |
| IMDB | [https://web.archive.org/web/2019\*/IMDB.com](https://web.archive.org/web/2019*/IMDB.com) | IMDb, in full Internet Movie Database, Web site that provides information about millions of films and television programs as well as their cast and crew. |
| Spotify | [https://web.archive.org/web/2019\*/Spotify.com](https://web.archive.org/web/2019*/Spotify.com) | Spotify was founded by Daniel Ek and Martin Lorentzon. It contains all music we will ever need. |
| TMZ | [https://web.archive.org/web/2019\*/TMZ.com](https://web.archive.org/web/2019*/TMZ.com) | Robert Levin is the founder of celebrity news website TMZ. TMZ is one of the most-cited entertainment news sources, utilized by national network and local newsgathering organizations across the country. |
| pogo | [https://web.archive.org/web/2019\*/pogo.com](https://web.archive.org/web/2019*/pogo.com) | Pogo is the most Popular Gaming Portal. It offers a variety of card and board games like First Class Solitaire and monopoly. |

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| **Personal Websites** | **URL** | **Description** |
| Tim Harford | [https://web.archive.org/web/2019\*/TimHarford.com](https://web.archive.org/web/2019*/TimHarford.com) | Timothy Douglas Harford OBE is an English economist and journalist who lives in Oxford. He is the author of four economics books and writes his long-running Financial Times column. |
| Nia Shanks | [https://web.archive.org/web/2019\*/NiaShanks.com](https://web.archive.org/web/2019*/NiaShanks.com) | Nia Shanks is a coach, writer, speaker, and author of Lift Like a Girl and the 100-Day Reclaim with a BS in Exercise Physiology from the University of Louisville. She specializes in helping women “unleash their awesome” with an empowering approach to health and fitness. |
| Samuel Reed | [https://web.archive.org/web/2019\*/SamuelReed.com](https://web.archive.org/web/2019*/SamuelReed.com) | **S**amuel Reed Reed uses his page as a start-to-finish demo of how to code a website. His website starts as a blank white page and ends as a fully interactive site that visitors can watch him code themselves. |
| Simon sinek | [https://web.archive.org/web/2019\*/Simonsinek.com](https://web.archive.org/web/2019*/Simonsinek.com) | Imon Oliver Sinek is an American author and motivational speaker. He is the author of five books, including start with why and the infinite Game. |
| Devon Stank | [https://web.archive.org/web/2019\*/DevonStank.com](https://web.archive.org/web/2019*/DevonStank.com) | He geared towards web design and development and square space-persona**l**-branding-website**.** |

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| **Informational Websites** | **URL** | **Description** |
| Mint | [https://web.archive.org/web/2019\*/mint.com](https://web.archive.org/web/2019*/mint.com) | Aaron Patzer is an Internet entrepreneur and the founder of Mint.com, the financial management tool. |
| Conde Nast | [https://web.archive.org/web/2019\*/CondeNast.com](https://web.archive.org/web/2019*/CondeNast.com) | Conde Nast is a global mass media company founded in 1909 by Condé Montrose Nast, and owned by Advance Publications. |
| Mosaic Art Now | [https://web.archive.org/web/2019\*/MosaicArtNow.com](https://web.archive.org/web/2019*/MosaicArtNow.com) | Mosaic Art was founded by Patrick Macquaire. A mosaic is an artistic picture or design made out of any materials assembled together. Mosaic are used as decoration. |
| Airbnb | [https://web.archive.org/web/2019\*/Airbnb.com](https://web.archive.org/web/2019*/Airbnb.com) | Brian Chesky and Joe Gebbia, were the founders of Airbnb. Airbnb is a shortened version of its original name, AirBedandBreakfast.com. |
| Polygon | [https://web.archive.org/web/2019\*/polygon.com](https://web.archive.org/web/2019*/polygon.com) | Polygon is a gaming website in partnership with Vox Media. |

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| **Portal Websites** | **URL** | **Description** |
| VMware | [https://web.archive.org/web/2019\*/VMware.com](https://web.archive.org/web/2019*/VMware.com) | VMware was founded by [Diane Greene](https://en.wikipedia.org/wiki/Diane_Greene), [Mendel Rosenblum](https://en.wikipedia.org/wiki/Mendel_Rosenblum), Scott Devine, Ellen Wang and [Edouard Bugnion](https://en.wikipedia.org/wiki/Edouard_Bugnion). |
| Autozone | [https://web.archive.org/web/2019\*/Autozone.com](https://web.archive.org/web/2019*/Autozone.com) | AutoZone was founded in 1979.And it has over 6,000 stores across the United States. |
| CopperPoint | [https://web.archive.org/web/2019\*/copperpoint.com](https://web.archive.org/web/2019*/copperpoint.com) | CopperPoint Insurance Companies founded in 1925 are dedicated to protecting and empowering conscientious business owners. |
| Thales | [https://web.archive.org/web/2019\*/Thales.com](https://web.archive.org/web/2019*/Thales.com) | A global technology leader for aerospace, space, transport, defense and security markets. |
| EATEL | [https://web.archive.org/web/2019\*/EATEL.com](https://web.archive.org/web/2019*/EATEL.com) | EATEL is a family-owned and operated communications company in Louisiana that needed a responsive self-service customer portal to support their residential and business customers. |

Guidelines for evaluating the value of a website

With increased access to the Internet, Web sites are becoming popular educational resources. However, not every site makes a good resource. So, in order to decide whether a site is worth using there are criteria that should be applied when evaluating any web site.

Authority

* The name of the individual or group creating the site should be clearly stated.
* Sites that clearly violate copyright statutes or other laws should not be linked, listed, or recommended.
* The Web site author or manager should provide contact information for users to make comments or ask questions.
* The information from sources should be reliable.

Objectivity/purpose

* A site's purpose should be clear, and its content should reflect that purpose, be it to entertain, educate, or sell.
* Advertising should not overshadow the content.
* Determine if page is a mask for advertising; if so, information might be biased.

Accuracy

* Make sure author provides e-mail or a contact address/phone number.
* Know the distinction between author and Webmaster.
* The information should be free of grammatical, spelling, and other typographical errors.

Content

* A site's content should be comprehensible, appropriate, and of value to the intended audience.
* There should be enough information to make visiting the site worthwhile. Information on how often the site is visited may indicate its usefulness.
* Sites that promote social biases (e.g., gender, racial, or religious biases) should be rejected or critically reviewed.

Appearance

* The site should be well organized.
* All the links should work.
* The site should look well maintained.

Functionality

* Language used in messages and instructions should be clear, concise and easy to understand.
* There should be consistency in the use of features such as headers, backgrounds, fonts, and colors, particularly when they act as thematic pointers (e.g., sub-headings use a smaller font than major headings).
* The skills required to use the site's features should be appropriate for its intended audience.
* If a search function is available, instructions for conducting searches should be provided.

Currency

* If your page is current and updated regularly and the links (if any) should be also up-to-date.
* There should be dates on the page to indicate when the page was written.
* There should be dates on the page to indicate when the page was first placed on the web or when the page was last revised.

Evaluation for Facebook and You Tube

Facebook

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| Author | The founder of Facebook is Mark Elliot Zuckerberg. He is an American internet entrepreneur and philanthropist. |
| Objectivity | Facebook started life as a simple networking service for Harvard students. Its initial objective was to provide a place where students could share personal news, events, announcements and, perhaps most importantly, photographs. We can use Facebook to stay connected with friends and family, discover what's going on in the world and share and express what matters to them. |
| content | Facebook contain a lot of contents. The most popular types of contents are Image with text, image, video, text, external link and poll. It also allowed us to post contents like personal, motivational and also it can be something that has a purpose. |
| Functionality | Facebook is a favorite free social media site which enables registered customers to create profiles, upload images, and movie, send messages and even stay in touch with friends, family members, and coworkers. And its search function works effectively. We can type something into the search bar at the top of any Facebook page or select a search prediction. |
| Currency | When we open our Facebook page, we will see new updated posts. It might be a photo or a video. |
| Appearance | Facebook is a well-organized website. |

YouTube

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| Author | You Tube was founded by Steve Chen, Chad Hurley, and Jawed Karim, who were all early employees of PayPal. Hurley had studied design at Indiana University of Pennsylvania, and Chen and Karim studied computer science together at the University of Illinois at Urbana–Champaign. |
| objectivity | You Tube aims to improve user searching. It is aiming to change the way it helps people search and discover content, in a bid to increase users and get them to stay on the site longer. For many young people, it is used to watch music videos, comedy shows, how to guides, recipes, hacks and more. Teens also use the video-sharing service to follow their favorite vloggers (video blogger), subscribe to other YouTubers and celebrities they are interested in. |
| Content | * You Tube contains a lot of contents like Entertainment, Food, Gaming, Beauty and Fashion, Music, Sports, Science and Technology. |
| Functionality | You Tube is a video sharing service where users can watch, like, share, comment and upload their own videos. The video service can be accessed on PCs, laptops, tablets and via mobile phones. |
| Currency | When we open a YouTube, we will see currently updated videos and also links. It will not stay the same everyday cause a lot if things will be uploaded every time. |
| Appearance | YouTube is a well-organized and maintained website and its link also work effectively. |

So, generally I think Facebook is a very good website. Because it helps us to connect with our friends and also family. It also allowed us to share photos, videos and also anything we want to post and helps us to stay up to date. If we used it for a good purpose and not to post fake pictures and also videos, it will be useful website.

YouTube is also a good website which is used to watch any type of videos we want and we can also be a youtuber. We can upload our own videos and share it with the world. It is also used to learn online courses, which I like about it more.