# History of Internet

#### The history of the Internet has its origin in the efforts to interconnected computer networks that a

#### rose from research and development in the United States and involved international collaboration, particularly with researchers in the United Kingdom and France.

#### [Computer science](https://en.wikipedia.org/wiki/Computer_science) was an emerging discipline in the late 1950s that began to consider time-sharing between computer users and, later, the possibility of achieving this over Wide Area Networks Independently, [Paul Baran](https://en.wikipedia.org/wiki/Paul_Baran) proposed a distributed network based on data in message blocks in the early 1960s and Donald Davis conceived of packet switching in 1965 at the National Physics Library (NPL) in the UK, which became a taste bed for research for two decade The United State Department of Defense awarded contracts in 1969 for the development of the ARPANET project, directed by Robert Taylor and managed by Lawrence Roberts . ARPANET adopted the packet switching technology proposed by Davies and Baran, underpinned by mathematical work in the early 1970s by Leonard Kleinrock. The network was built by Bolt, Berank, and Newman.

#### Early packet switching networks such as the NPL Network, ARPANET, Merit-Network, and CYCLADES in the early 1970s researched and provided Data Networking. The ARPANET project and international working groups led to the development of protocols for networking, in which multiple separate networks could be joined into a network of networks, which produced various standards.  Vint Cerf , at Stanford, and Bob Kahn, at ARPA, published research in 1973 that University evolved into the Transmission Control Protocol (TCP) and Internet Protocol (IP), the two protocols of the Internet Protocol Suit. The design included concepts from the French CYCLADES project directed by Louis Pouzin.

#### In the early 1980s the NSF funded national supercomputing centers at several universities in the United States and provided interconnectivity in 1986 with the NSFNET project, which created network access to these supercomputer sites for research and academic organizations in the United States. International connections to NSFNET, the emergence of architecture such as the Domain Name System, and the adoption of TCP/IP internationally marked the beginnings of the internet. Commercial Internet service provider (ISPs) began to emerge in the very late 1980s. The ARPANET was decommissioned in 1990. Limited private connections to parts of the Internet by officially commercial entities emerged in several American cities by late 1989 and 1990.[[9]](https://en.wikipedia.org/wiki/History_of_the_Internet#cite_note-9) The NSFNET was decommissioned in 1995, removing the last restrictions on the use of the Internet to carry commercial traffic. Research at Robert Taylor by British computer scientist Tim Berners-Lee in 1989-90 resulted in the World Wide Web, linking hypertext documents into an information system, accessible from any node on the network.

#### Since the mid-1990s, the Internet has had a revolutionary impact on culture, commerce, and technology, including the rise of near-instant communication by Electronic Mail, instant messaging, Voice over internet protocol (VoIP) telephone calls, two-way interactive video, and calls the World Wide Web with its discussion forums, blogs, social networking, and online shopping sites. Increasing amounts of data are transmitted at higher and higher speeds fiber optic operating at 1, 10 Gbit/s, or more. The Internet's takeover of the global communication landscape was rapid in historical terms: it only communicated 1% of the information flowing through two-way telecommunications networks in the year 1993, 51% by 2000, and more than 97% of the telecommunicated information by 2007.[[11]](https://en.wikipedia.org/wiki/History_of_the_Internet#cite_note-HilbertLopez2011-11) Today, the Internet continues to grow, driven by ever greater amounts of online information, commerce, entertainment, ands social networking.

# Observation of websites

## Google

### Jan 01, 2008

#### The back ground color is white.it contains a rectangular searching box and it also shows the advanced search box next to the searching box with some preference and language tools.it also contains the two linked button that shows the feeling and Google search under the searching box. At the top of the search box it contains the logo of the websites in texts and this text surrounded by some small triangles that is drawn in different colors.

### Jan 01, 2009

#### There is no much difference as compared to the previous version. The only difference is the logo above the search box is changed. The logo is text that says Google and surrounded by animals like giraffe and different plants.

### Jan 01, 2010

#### The back ground color is similar to the previous versions. This is also similar to the previous version but there is some change like there is no preference link and the logo above the search box is text that is surrounded by beautiful flowers to show the wishes for the New Year. And it also contains the watch that is drowning on the top of the tower.

### Jan 01, 2011

#### There is change in logo that says GMMXLE the other thing is similar to the previous version.

### Jab 01, 2012

#### There is some change as compared to the previous one. The one thing is there is some label text with associated link that transfers the benefits of using Google. There is also a change in logo from the previous version. The text Google is the currently used logo for the website.

### Jan 01, 2013

The only difference is the logo as compared to the previous version.in this version the logo is surrounded by different things like the person that uses computer, a thing that seems like cake, a robot that cleans a house etc.

### Jan 01, 2014

The only difference is the logo. In this version the logo is the text Google and the moving numbers. there is a thing that seems like a traffic light. The numbers movement is controlled by the things that is similar to the traffic lights

### Jan 01, 2015

The logo is an animated text that says Google and the numbers which is surrounded by many torch’s that draws a flower. The other things are similar to the previous versions.

### Jan 01, 2016

The logo is graphically designed animated images that seem like a bird .the other things are similar to the previous one.

### Jan 01, 2017

There is one change from the previous version. There is change in logo in this version the logo is an animated things that is drop down from the top side to the bottoms. The other is the same as the previous one.

### Jan 01, 2018

There is a change in logo the logo is text with missing one o from the text Google and there is two graphically designed child that see the missing letter from the text Google. The other thing is similar to the previous version.

## YouTube

### Jan 01, 2009

It contains rectangular search box at the top side of the websites. The navigation bars is on the top of the websites. The video is shown in two positions as promoted videos and featured videos. At the top of the navigation bars it also shows the sign in and sign up options.

### Jan 01, 2010

The search box is at the top of the navigation bars and it shows the video in different groups for instance recommended for you, videos being watched now, featured videos and most popular.

### Jan 02, 2011

There is new thing in this version .The one is that the navigation bars is removed from the top side. It also show videos in spotlight videos and recommended for you groups .The spot light videos are on the rights of the recommended videos. The other things are similar to the previous one.

### Jan 02, 2012

#### The search box is changed. On the previous versions the searching icon is text but for these versions the searching icon is similar to the mirror or spoon like searching icons. There is also a side bar that shows the choice just like music, game, trending, popular, comedy, news etc.

### Jan 02, 2013

In this version the videos is seen when there is an updated adobe flash players. It also shows popular on YouTube on the side bar and it also shows all types of videos on the body off the website. The other thing is almost similar to the previous versions.

### Jan 02 2014

This version is almost similar to the previous versions

### Jan 02, 2015

This is also similar to the previous versions but there is some difference on the side bar. The side bar contains some features relative to the previous versions.

### Jan 02, 2016

There is no search bars in the top of the pages. This is almost similar to the previous one it shows the video in two options that is in home and in trending options.

### Jan 02, 2017.

This is almost similar to the previous one .but there is small change in this version. It shows the video in tree options that is in home, trending and history options.

### Jan 02, 2018

This is almost similar to the previous one .but there is small change in this version. It shows the video in tree options that is in home, trending and history options. And in addition to this there is small change they introduce get YouTube TV in the side bars.

### Jan 02, 2019

This version is most likely the previous versions. But this versions is the most organized versions than the previous versions.

## Telegram

### Dec 02, 2013

## There is a navigation bars that is half number of the navigation bars is on the left top and half number on the right top of the web sites.

#### There is also a telegram app files for the two most known operating systems i.e. telegram for android and telegram for iPhone. There is also some description about the benefits of telegram on the bottom side off the websites.

### Dec 02, 2014

There is a change on the navigation bars and the other sides. The navigation bars coms to the left top side. The telegram application file is placed in three formats for android, for ios and for WP with the graphical descriptions so the is a change in the body of the websites

### Dec 04, 2015

In this time there is some change in the body off the website. They adds a telegram app file for personal computers that supports different operating systems for different platforms like mac, Linux, window . There is also some change on the top side o the websites. In additions to the benefits of using telegrams they display what can we do on telegrams with graphical support.

### Dec 04 2016 until now

This version is almost similar but there is some new things it adds window based a telegram app file for personal computers in addition to different operating systems like mac, Linux, window.

## Edx

### Mar 30, 2007

There is only a link on the sites and search box at the bottom side. There is a some related furniture links associated with this sites.

### Jul 02, 2011

There is navigation bars and there is a change in body it shows the courses, news and announcement news in links the body of the website and the back ground image is also changed. And there is a log in button at the right of the websites.

### Dec 31, 2012

The navigation bars is on the top right corners of the websites. The background image is very interesting as compared to the previous one. It also shows all the courses given by the sites at the body of the websites with some graphical support

### Jan 01, 2014

There is navigation bars and there is a change in body it shows the courses and announcement news in links the body of the website and the back ground image is also changed.

### Jan 01, 2015

There is some new thing in this time one is there is searching bar with register and sign in options. The colors is good and beautiful for observers It has navigation bars with that explains about how it works and all courses that is given by this websites

### Jan 01, 2016

There is a change in the navigation bar from the former versions. What makes it different is it contains a drop down or some list navigation bars. It also shows the thing that is supported by edx with the popular courses started soon with graphical design. The other new thing is it contains to registration option one is on the top and the other is on the bottom side of the home page

### Jan 02, 2017

There can be seen only the edx logo and search box with the registor and sign in option with some drop down navigation bars in the top side of the sites. And it shows all the courses with the beautiful graphics and text design At the bottom off the sites it also show the benefits that is gaind by learning in the edx like certificates and other services with fees or without fees(freely)

### Dec 30, 2018

There is some new thing happen one of the most obvious thing is we can not see navigation bars on the top side off the websites.it only show the courses with text only no graphical support

### Jan 01, 2020

There can be seen only the edx logo and search box with the register and sign in option with some drop down navigation bars in the top side of the sites

It also contains some new features like language selection and show the popular subjects with only text.

It also contains to search bars the first is on the navigation bar and the second is on the body part off the websites

## Facebook

### Jan 01, 2009

#### It displays a message as it free for all users. It also displays a message about the uses of Facebook. There is log in option at the top of the website and they show a good feature for the beginners. Because the create option put at the front for the website that can be accessed without any ambiguity.

### Jan 01, 2010

#### There is some change in these versions of the websites. The first thing is in the log in input form there is a place holder for the email that says email. For the new creator there is two input forms for the first name and last name of the users. The other things are similar to the previous versions.

### Fab 01, 2011

#### The one that is new for these versions is to create a Facebook we must re-enter the emails but for the previous versions we re-enter the password. The place holder that says email s also removed.

### Feb 01, 2012

This is no change it is similar to the previous versions of the website.

### Feb 01, 2013

The back ground is changed to transparent images. The other thing is similar to the previous one.

### Feb 01, 2014

The back ground is changed to white color back ground. Some icons is added to the left side of the web sites. There is also some new things the first name and last name input forms is located horizontally next to each other’s.

### Feb 01, 2015

There is no change as compared to the previous versions.it is almost similar to the previous one.

### Feb 02, 2016

There is almost similar to the previous versions

### Feb 02 ,2017

This is almost similar to the previous version but there is slight difference on the placeholder orders that is written in the input forms.

### Feb 01, 2018

There is a change on the bottom of the websites. It lists some types of languages at the bottom of the websites and there is no input forms for the re-entered email or phone numbers.

### Feb 01, 2019

There is a change on the bottom of the websites. It lists the most types of languages at the bottom of the websites. The other things are similar to the previous versions. This versions is the best than the others. The one thing that makes it best is it supports many languages.

# Types of website

## Social network websites

## A social networking service is an on line platform which people use to build social networks or a following of other people who share similar personal interests or are interested in their brand Socialnet working services vary in format and the number of features.

#### These sites are usually created to let people share thoughts, images or ideas, or simply connect with other people in relation to a certain topic. Let us see some examples of social media.

### Instagram: https://www.instagram.com/

#### Instagram is a photo and video sharing social media app. It allows you to share a wide range of content such as photos, videos, Stories, and live videos. It has also recently launched IGTV for longer-form videos..

1. Facebook: https://www.facebook.com/

#### Facebook is the biggest social media site around, with more than two billion people using it every month. That’s almost a third of the world’s population! There are more than 65 million businesses using Facebook Pages and more than six million advertisers actively promoting their business on Facebook.

## Twitter: https://twitter.com/

#### Twitter is a social media site for news, entertainment, sports, politics, and more. What makes Twitter different from most other social media sites is that it has a strong emphasis on real-time information — things that are happening right now..

1. Viber:. https://www.viber.com/

It allows users to send messages and multimedia, call, share stickers and GIFs, and more. However, Viber presents many more opportunities for businesses

1. Telegram:https://telegram.org/

#### Telegram is similar to most social messaging apps and is often known for how secure it is as a messaging app. There are several ways brands can make use of Telegram, besides providing one-on-one customer support.

## News website

## News website is an Internet website that features user-posted stories. Such stories are ranked based on popularity, as voted on by other users of the site or by website administrators. Users typically comment online on the news posts and these comments may also be ranked in popularity.

#### Since their emergence with the birth of Web 2.0, social news sites have been used to link many types of information, including news, humor, support, and discussion. All such websites allow the users to submit content and each site differs in how the content is moderated. On the Slashdot and Fark websites, administrators decide which articles are selected for the front page.

1. CNN: https://edition.cnn.com/

#### CNN (Cable News Network) is an American news-based pay television channel owned by AT&T’s, Warner Media. CNN was founded in 1980 by American media proprietor Ted Turner as a 24-hour cable news channel.

1. Google News: https://news.google.com/

Google News is a news aggregator app developed by Google. It presents a continuous, customizable flow of articles organized from thousands of publishers and magazines. Google News is available as an app on Android, iOS, and the Web.

1. The New York Times:https://www.nytimes.com/

The New York Times is an American newspaper based in New York City with worldwide influence and readership. Founded in 1851, the paper has won 127 Pulitzer Prizes, more than any other newspaper.

1. The Guardian:https://www.theguardian.com/

TheGuardian.com, formerly known as Guardian.co.uk and Guardian Unlimited, is a British news and media website owned by the Guardian Media Group. It contains nearly all of the content of the newspapers

1. BBC**:** https://www.bbc.com/news

#### The British Broadcasting Corporation (BBC) is a British public service broadcaster. Its headquarters are at Broadcasting House in Westminster, London. It is the world's oldest national broadcaster, and the largest broadcaster in the world by number of employees.

## Informational websites

### Informational websites are those sites which are created in order to provide customized and branded resource for potential and active customers, members, investors and so forth. These websites are usually content and design driven.

### WebMD: webmd.com

#### An award winning portal, WebMD.com has wealth of information on various health conditions, symptoms, medicines, procedures etc. The website is a must-visit for ordinary folks looking to do some digging on health problems they’re suffering from and even medicos and doctors who want trusted information on various topics in medical science.

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### eHow.com: ehow.com

#### With more than a million How-to articles and over 0.17 million videos, ehow.com provides step by step information on a variety of topics ranging from home improvement and gardening to investing, travel, shopping, healthcare, small businesses, etc.

### MIT Open Courseware: https://ocw.mit.edu/

#### Based on a simple idea of publishing course material on the internet, which is otherwise not available to the masses, MIT Open Courseware has information on a variety of subjects. Since the website is run by a prestigious institution, its genuineness is beyond doubt.

### HowStuffWorks: https://www.howstuffworks.com/

#### A great encyclopedia on how things really work, howstuffworks.com is one of the most visited websites worldwide. The website has really good content on how modern as well as not-so-modern topics, complete with clear, detailed content and well designed illustrations to help readers understand without having to scratch their heads.

### Web monkey: webmonkey.com

#### This is a developer’s hub to get all the firsthand information on web designs, software and applications. The cheat sheets and cut-copy codes that it offers help you in sharpening your coding skills. This website surely is a wonder for web geeks. All budding developers and designers always refer this website for some great tips and tricks.

## Content aggregator websites

## An aggregator of content is a business that collects and organizes and distributes web content or feeds, content to the Subscriber free of charge or on payment. Examples of distributed content include news, music, video, and pictures.

### Alltop: https://alltop.com/

#### Founded by startup legend Guy Kawasaki, Alltop is one of the biggest names in content aggregation and deservedly sits in first place on this list. Alltop pulls in the latest posts from websites on a variety of topics.

1. Popurls: http://popurls.com/

#### Popurls is the site from which Alltop drew its inspiration. Alltop even credits Popurls in the Alltop footer! With that endorsement, it’s no surprise that Popurls, branded as the “mother of all news aggregators,” sits at #2 on our list.

1. The Web List: https://theweblist.net/

#### The Web List functions similarly to Popurls in that it’s a one-page content aggregator website that collects content from a huge variety of sources. It’s not nearly as popular as Popurls or Alltop. But it’s highly customizable and uses some cool technology. And for that reason, I thought it was a great example of how far you can take content aggregation.

1. WP News Desk: http://wpnewsdesk.com/

#### News Desk is a content aggregator website that focuses specifically on WordPress. It automatically pulls in content from a variety of WordPress blogs and companies and displays posts on the front page.

1. Blog Engage: http://www.blogengage.com/

#### Though Blog Engage is starting to fall victim to Spamy content, it’s still one of the most popular blog content aggregators out there. As the spam indicator suggests, Blog Engage’s standards are nowhere near as strict as Alltop, though.

## Entertainment website

#### This website is fun with interesting content. Most of these websites do aim to make money like business and e-commerce websites do, but usually through the advertisements that show up on the page rather than through selling specific products or services. Some of entertainment websites is as follows.

1. Netflix: https://www.netflix.com/et/

#### Netflix is the world’s leading Internet television network with more than 36 million members in 40 countries enjoying more than **one billion hours of TV shows and movies per month, including original series.**

1. E!Online**:** https://www.eonline.com/

#### Latest news flashes, insider scoops, and live event coverage decks up this entertainment website. E!Online also covers the music and the television industries. You can check out the section called Fashion Police and the scoops by Kristin Dos Santos on her Watch with Kristin blog.

1. Hollywood: https://www.hollywood.com/

#### From news headlines to offbeat scoops, star interviews and photo-galleries, the site covers a lot of ground. You can also catch what’s coming to the theatres near you along with a lot of showtime information.

1. Slash film:https://www.slashfilm.com/

The site’s focus is on the geek/genre centric side of the movie universe. Well, this means that you get to read up on more reviews and less gossip. The site is a good place to bookmark because it brings updates on what’s coming soon and news on castings.

1. popShugar: https://www.popsugar.com/

#### PopSugar brings daily updates on what’s buzzing on the pop culture circuit. PopSugar tries to bring celebrity news as it is without juicing it up. PopSugar has dedicated sections on specific celebrities, so you can easily follow all the past and present on them from a single place.

## Educational website

#### Educational websites are also quite self-explanatory. These websites are designed to display information on certain topics, either using interactive games or engaging designs to keep the user hooked. If you’re looking to build one of these websites, you should think about hiring a freelance web developer to create some fun tools, games, or quizzes.

1. EdX: https://www.edx.org/

#### This website can be most preferred by the students as it was founded by Harvard University and MIT in 2012. EdX is an online learning destination and MOOC provider, offering high-quality courses from the world's best universities and institutions to learners everywhere. Out of the 90 universities, it includes top global rankers.

#### 

1. Coursera: http://courser.org/

The moment a student opens this website, he is bound to get sucked into the number of courses available in his topic of interest. It is a user-friendly website. Students can find big universities and a sharable electronic Course Certificate. "Courses include recorded video lectures, auto-graded and peer-reviewed assignments, and community discussion forums.

1. Khan Academy: https://www.khanacademy.org/

#### Khan Academy is an online coaching website. Students who cannot afford a coaching can refer to this website. It has all the traditional school subjects including math, science, computer programming, history, art history, economics, and more.

1. Udemy:https://www.udemy.com/

#### Udemy is one of the most reputable online learning platforms. Students and adults who can find plenty of courses and studying materials on subjects which interest them the most. As of 2017, there are over 45,000 different courses available for you to explore. You can also become a course creator yourself, either for a fee, or free of charge.

1. **Quoara:** https://www.quora.com/

Quora is not only a platform where you can spend hours or days doing research on a particular subject and have fun the process, interacting with other users, but also a place where you can receive a detailed answer written by an expert. It is probably the best place online if you are looking for high-quality answers and explanations on just about anything you can think. It’s an essential resource for every college student.