

ADDIS ABABA UNIVERSITY

ADDIS ABABA INSTITUTE OF TECHNOLOGY

CENTER OF INFORMATION TECHNOLOGY

AND SCIENTIFIC COMPUTING

Prepared by: - Elda Girma

Submitted to : Fitsum A.

March 2020

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# The evolution of internet

-Internet is the network of networks. The original Internet’s plan was not to be centralized. it was a project by the **US department of defense** to establish a computer data communications network that could withstand unforeseen events and disasters like war. Therefore it must be decentralized so that if one part of the system fails the rest can still function. It must also be able to communicate using peer to peer interconnectivity without relying on a single computer.

It all started with Advanced Research Projects Agency Network (**ARPANET)** in October, 1969 when the first successful message was sent from a computer in UCLA to another computer (also called node) at the Stanford Research Institute. In the beginning ARPANET benefited not just the military but also research institutes, so it had its origins in the academic community though it was a military project. Then eventually this system slowly evolved / adopted for commercial use. And also it was adopted by universities and research institutes in the early 1980’s through an initiative by the NSF (National Science Foundation). It was called the NSFNET Project and its aim was to promote research and education.

Eventually ARPANET and NSFNET would be decommissioned, thus paving the way for the commercialization of the Internet. It was also called the “Internet” as a sort of “interconnected” and “network”.

In the early 1990’s the connection to the Internet was via a telephone line. To access the Internet, all users needed to do was know the telephone number of the connected computer. From this computer, the user can establish connections to other computers. This computer was called a server and provided basic or specific services for users. This is known as a client /server architecture.

Internet nowadays becomes the basis of modern life because it touches every aspect of life.

# View the 5 – 10 popular websites of your choice from web archive URL and put your observation and assessment

## Instagram

Instagram is an American photo and video-sharing social networking service owned by Facebook, Inc. It was created by Kevin Systrom and Mike Krieger, and launched in October 2010 on iOS. By 2016 the total number of monthly Instagram users will reach 430 million. 75 million users enjoy sharing photos daily. In 2018 instagram made grat changes like Hashtags and Mentions in the Bio Nametags Direct Messages Features and a lot. An d now on the 2020 Instagram rolled out two new categories within the “Following” tab on one’s accounts.

**Users are now able to see which accounts they’ve interacted with during the past 90 days, and which have shown up most frequently.**

## **Facebook**

Facebook is an American social media and technology company based in Menlo Park, California. It was founded by Mark Zuckerberg, founded in February 2004

Facebook welcomed the new decade by [hitting milestones](https://www.facebook.com/notes/facebook-engineering/scaling-facebook-to-500-million-users-and-beyond/409881258919/) in the social media industry. In 2010, the social media giant announced that they had hit its 500 million-user mark. In the same year, there were already 50 billion photos stored on the service. To save its users from the inconvenience of manually tagging friends and family in vacation albums and photos, Facebook launcheditsfacial recognition technology, which automatically suggested certain friends' profiles for certain faces.Additionally, after its launch of the Like button for status updates in 2009, Facebook also enabled liking comments shortly the following year.

Today, it is known Facebook as the biggest, most widely used social media network in the world, the impact of which can be seen in how it has radically reshaped culture, communication, and in more alarming instances

## Spotify

Spotify Technology S.A. is an international media services provider. It is legally founded April 2006 in Luxembourg and is headquartered in Stockholm, Sweden with the intense that music fans just wanted a better music discovery and listening experience.Spotify had a six-month free ad-supported trial period, where new users could listen to an unlimited music in 2011. In 2019 spotify enabled users to check their accounts’ Spotify subscription page just to ensure your account is still showing Premium, then I'd try a completely clean reinstall of the Spotify app on your device. This ensures there's no residual cached data that may be causing issues, and gives us a clean slate to start from.

## Youtube

YouTube is an American video-sharing platform headquartered in San Bruno, California. Three former PayPal employees—Chad Hurley, Steve Chen, and Jawed Karim—created the service in February 2005. During the summer of 2006, YouTube was one of the fastest growing sites on the Web, hosting more than 65,000 new video uploads. The site delivered an average of 100 million video views per day. In May 2013, YouTube launched a pilot program to begin offering some content providers the ability to charge $0.99 per month or more for certain channels, but the vast majority of its videos would remain free to view. 2019 YouTube's new terms of services allow the video sharing platform to terminate creator accounts if they are 'no longer commercially viable'. Creators are not YouTube employees so the company is not obligated to pay them any kind of salary.

## Amazon

Amazon.com is an American multinational technology company based in Seattle that focuses on e-commerce, cloud computing, digital streaming, and artificial intelligence. Founded in 1994

# List 5 website each on the 12 categories you learned

## Portal

A web portal is a specially designed [website](https://en.wikipedia.org/wiki/Website) that brings information from diverse sources, like [emails](https://en.wikipedia.org/wiki/Email), [online forums](https://en.wikipedia.org/wiki/Internet_forum) and [search engines](https://en.wikipedia.org/wiki/Web_search_engine), together in a uniform way

* <https://www.grants.gov/> - grants, is one of the government's tools for funding ideas and projects to provide public services, stimulate the economy, and benefit the general public.
* <http://portal.aait.edu.et/> - AAiT , is a student service website that allow them access their education concerning requests
* <https://www.santanderbank.com/us/personal> - santanderbank, is website of the US bank which got it start in Spain, but also has been serving customers in the Northeast since 2013.
* <http://www.uabmedicine.org/> - uab medicine, this website allows users to find health care, medicine providers and school of medicine.
* <http://www.autozone.com/> - auto zone, allows users to conduct online shopping

## News

* <https://news.yahoo.com/> - yahoo news, provides latest news and is owned by the verizon company
* <https://edition.cnn.com/> - CNN edition, this site attracted growing interest over its first decade and is now one of the most popular news websites in the world.
* <https://www.nytimes.com/> - New York Times, provides breaking news, multimedia, reviews and opinion on Washington business sports movies and other information.
* <https://www.foxnews.com/> - fox news , a website owned by the Murdoch family
* <https://www.nbcnews.com/> NBC news, national broadcasting company is American news website

## Informational

* <https://roadfood.com/> -road food, is informative website for food lovers. This website helps you get one’s favorite food while on the road. It is available in many states across the United States.
* <https://www.tripadvisor.com/> - trip advisor, It’s an excellent informative website for people who love travelling as it provides detailed and genuine information like city’s best restaurants and “things to do” while one is away from home
* <https://www.ehow.com/> - ehow, is a website with more than a million How-to articles and over 0.17 million videos it provides step by step information on a variety of topics ranging from home improvement and gardening to investing, travel, shopping, healthcare, small businesses, etc.
* <https://www.webmd.com/> - webMD, is a website with wealth of information on various health conditions, symptoms, medicines, procedures etc.
* <https://www.wired.com/> - web monkey, is a developer’s hub to get all the firsthand information on web designs, software and applications.

## Business/marketing

* <https://poetic.io/>- poetic, helps businesses grow with custom software and other technologies.
* <https://www.soundstripe.com/> - sound stripe, offers well-produced quality songs and sound effects at a fair price
* <https://www.marketwatch.com/> - covering stocks, bonds, commodities, U.S. and international markets, personal investing, real estate, and media
* <https://www.nalenayurveda.com/> - nalenayurrveda , sells specialized skin care products.
* <https://www.allbusiness.com/> - AllBusiness.com features articles, advice, forms, agreements, and videos covering small business topics.

## Educational

* <https://www.khanacademy.org/> - khan academy, offers impressive depth on many different subjects of mainly secondary school.
* <https://www.edx.org/> -EDx, free online education and it covers a great range of topics.
* <https://www.w3schools.com/> - W3school, is world’s largest web developer site
* <https://www.coursera.org/> - coursera, a website that partners with universities and organizations around the world. This brings a wide variety of topics and perspectives to one searchable database.
* <https://code.org/learn> - code, a website dedicated specifically to teaching coding including a live practice window

## Entertainment

* <https://www.netflix.com/> - Netflix, a site containing arts, entertainment TV series and streaming videos
* <https://www.spotify.com> – Spotify,
* <https://www.youtube.com> – YouTube, a site containing arts, entertainment TV series and streaming videos
* <https://www.soundcloud.com/> - sound cloud,
* <https://www.nate.com/> - nate,

## Advocacy

* <https://www.afj.org/> alliance for justice
* <https://www.hrc.org/> human rights campaign
* <https://www.nationalcac.org/> national children’s advocacy center
* <https://ffl.org/> food for life
* <https://youthmovenational.org/> - youth move national

## Blog

* <https://wordpress.org/> - word press, is a blog site hosting service by Automatic which provides a free blog with basic features.
* <https://ghost.org/> - Ghost, is a publishing platform focused only on blogging. The idea was to make a more streamlined and modern version of WordPress.
* <https://www.blogger.com/about/?r=1-null_user> – Blogger, is  free blog hosting service which has been around for a long time. It was founded in 1999 and acquired by Google in 2003.one can sign up easily with his existing Google account.
* <https://medium.com/> - Medium,  enables to write blog posts, it also comes with limited social networking functions and one can comment on other people’s content
* <https://launch.joomla.org/> - Joomla, best blog sites is another open-source content management system that one can use to build all kinds of websites

## Wiki

A wiki is a website that is collaboratively created by multiple users. It can also be thought of as a collaborative content management system (CMS) for collecting and organizing media that is created and revised by its users.

* <https://wikitravel.org/> - wikitravel, It’s been online since 2003 and is overseen by a team of administrators. They can roll back unwanted edits, delete pages, lock pages, and generally keep the information on the site accurate and free of spam.
* <https://en.wiktionary.org/> - wiktionary, is an example of a wiki that can save people’s money. It is a multilingual dictionary of languages, but has a definition for every word supplied in English, regardless of the source language. Today, there are more than **six million words** included from more than 4,000 dialects.
* <https://en.wikibooks.org/> - wikibooks, is repository of open-content textbooks, annotated texts, instructional guides, and manuals. It does not include fiction, primary research, or published texts.
* <https://en.wikipedia.org/> -wikipedia, is a free online encyclopedia, created and edited by volunteers around the world and hosted by the Wikimedia Foundation.
* <https://www.wikihow.com/> - wikihow, is a popular wiki for anyone who wants to [learn how to do something](https://www.makeuseof.com/tag/best-how-to-sites/) and has strict editorial guidelines

## Social network

* <https://www.facebook.com/> - Facebook, largest social networking site in the world and one of the most widely used. In addition it allows sell online and one can even market or promote his business, brand and products by using paid Facebook ads.
* <https://www.whatsapp.com/> - whatsapp, Despite having been acquired by Facebook in 2014, this instant messaging platform exists as an independent entity.
* <https://www.instagram.com/> - instagram, a unique social networking platform that was completely based on sharing photos and videos.
* <https://twitter.com/> - twitter, enables users to post short text messages (called tweets), containing a limited number of characters (up to 280), to convey their message to the world. With the growing craze for online shopping, Twitter also makes it possible to promote your businesses and even shop directly through tweets
* <https://skype.com/> - Skype, owned by Microsoft and allows you to connect with people through voice calls, video calls (using a webcam) and text messaging

## Content aggregator

A content aggregator is an individual or organization that gathers web content or sometimes applications from different online sources for reuse or resale.

* <https://alltop.com/> - All top, pulls in the latest posts from websites on a variety of topics.one can search for specific topics and then view aggregated content from some of the top blogs for that specific topic.
* Popurls.com – popurls, is another content aggregator website where unlike Alltop, one can’t submit his own website to Popurls
* <https://theweblist.net/> - The web list, is a content aggregator website that collects content from a huge variety of sources.
* <http://blogengage.com/> - Blog engage, Though blog engage is starting to fall victim to Spam content, it’s still one of the most popular blog content aggregators out there.
* <http://wpnewsdesk.com/> - Wp news desk, is a website that automatically pulls in content from a variety of WordPress blogs and companies and displays posts on the front page.

## Personal

* <https://www.niashanks.com/> -Nia Shanks help women achieve their goals with an empowering and sustainable health and fitness lifestyle.
* <https://simonsinek.com/> - Simon Sinek, is the author of multiple bestselling books includingStart With Why
* <http://timharford.com/> - Tim Hatford, an author, columnist for the Financial Times and presenter of Radio 4's
* <https://www.sethgodin.com/> - seth godin
* <http://www.charliewaite.me/> - Charlie waite, designer

# What are the guidelines for evaluating the value of a web site?

-Any web site is evaluated by considering the next 6 criteria:-

* Authority –reveals that the agency responsible for the site has the qualification and knowledge to do so.
* Accuracy – does the website have proper references? is the information comparable to other sites on the same topic.
* Objectivity –deals with whether or not the information is presented in a fair and balanced way, by offering different points of view.
* Currency- refers to how current the information presented is, and how often the site is updated or maintained.
* Coverage- percentage of pages on a specific site that the dynamic target matches.
* Appearance- **layout** that directs the user into the elements.

## Evaluate 2-5 websites based on the guideline and put your judgment

Say “what is a website?” has been searched and a list websites related to this search will appear

* <https://www.computerhope.com/jargon/w/website.htm> - one of the websites

Currency - this website was last updated on 11/16/2019 which indicates that it completed the requirement for currency

Appearance – the appearance is also good because it leads a user to the needed information easily.

Coverage – different websites are linked to it which widens its coverage

Objectivity – this website gives the information which was the objective of it.

Accuracy – even though this site does not put a lot references it matches with other sites related to this information which implies the information provided is somehow accurate.

Authority – this site an authorized site whose pages are written, maintained, and frequently updated by many different individuals at Computer Hope.

* <https://www.techopedia.com/definition/5411/website> - is the other website

Currency – this website was last updated December 15, 2016 so it lucks being up to date

Appearance - the appearance is good it leads a user to the needed information easily.

Coverage - different websites are linked to it which widens its coverage

Objectivity – the website accomplished its objectivity

Accuracy – the website stated resources that it used to provide this information

Authority – it is an authorized page.

# Resources

* <https://archive.org/web/>
* <https://www.liferay.com/blog/en-us/digital-strategy/>
* <https://www.elegantthemes.com/>
* <https://www.library.wisc.edu/socialwork/research-help/social-issues-websites/advocacy-websites/>
* <https://websitesetup.org/>