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CENTER OF INFORMATION TECHNOLOGY AND

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**Internet History and Website**

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History of Internet

Internet is the largest wide area network, since it’s a massive network of network. It is the infrastructure that allow connect billions of computers and other electronic devices, and it’s an increasingly important part of everyday life for people around the world. The internet has revolutionized the computer and communications world like nothing before.

In the early days of computing technology, computers were seen as a device for making calculations and to store data’s and they were used to accelerate business process. However as the technological advancement increase (computing device increase) it leads to for the invention of Internet to connect one computing device to the other.

The first workable prototype of the internet came in the late 1960’s with the creation of ARPANET (Advanced Research Projects Agency Network. Originally funded by the U.S Department of Defense. ARPANET used packet switching to allow multiple computers to communicate on a single network. On October 1969 ARPANET delivered its first message from one computer to another which is “a node to node” communication. Even though there is a communication between them, the first message wasn’t set successfully to destination, only the first two letters delivered.

The technology continued grow, In the 1970’s Robert Kahn and Vinton Cerf developed Transmission control protocol (TCP) and Internet protocol (IP) , which is a communication model that set a standards for how data could be transmitted between multiple networks.

The online world took a more recognizable form when Tim Berners-Lee invented the World Wide Web. The web helped popularized the internet across the globe.

Most Popular Websites Assessment on Web Archive

1. **Instagram**: It is a free social networking application which purpose is to share pictures, videos, or it is a simple way to capture and share the world’s moments. Follow your friends and family to see what they’re up to, and discover accounts from all over the world that are sharing things you love.

* In 2011 it was looks like as follow:
* It contain some images and texts
* There is no direct log in form when it was open, instead it’s log in page was appear after clicking an edit account link
* The mobile phone 3d picture that appear in the left of webpage contain an image what it looks like when it opened in actual mobile phone.
* There was a like that will delivered AppStore page to download Instagram application.
* At the bottom of the page there were some likes like contact us, blog etc…
* In 2012 it was looks like as follow:
* The mobile phone now contain a normal slide show that shows

What it looks like when the user navigate through the app icons

* And also add additional like for downloading the app, like google play
* The background and the bottom navigation now looks good.
* The login page appear as like in 2011
* In 2013 it was looks like as follow:
* It looks like just in 2012 but , the log in like contain an Icon and now , the user can get full info about Log in page, since it say’s Log In
* In 2018 and 2019 it was looks like as follow:
* It looks very smile and contain best log in page with different option like, login with Facebook and best animation on the mobile phone appear in the left of the page.

In conclusion, as the time increase the website effect or its look become very nice.

1. Amazon:
2. Twitter :
3. YouTube :
4. Wikipedia:

Categories of websites

1. Educational website: those websites have videos, topic related resources that act as tools to enhance learning and supplement class room teaching process.

Example:

Name URL

* Coursera <https://www.coursera.org/>
* Stack over flow ` <https://stackoverflow.com/>
* Quora <https://www.quora.com/>
* Udemy <https://www.udemy.com/>
* Udacity <https://www.udacity.com/>

1. News: those type of websites delivered different types of news on each type for online users across the world through their website.

Example:

Name URL

* ABC news <https://abcnews.go.com/>
* The Guardian <https://www.theguardian.com/>
* Forbes <https://www.forbes.com/>
* Hollywood reporter <https://www.hollywoodreporter.com/>
* Daily sun <https://www.dailysun.co.za/>

1. Social Network : it’s the use of internet based social media websites to stay connected with friends , family , colleagues etc… and also it used for mainly sharing different videos , files , and pictures , while some others for searching jobs.

Example:

Name URL

* LinkedIn <https://www.linkedin.com/>
* Instagram <https://www.instagram.com/>
* Tik Tok <https://www.tiktok.com/en/>
* Skype <https://www.skype.com/en/>
* Twitter <https://twitter.com/>

1. Personal website: This website basically used for describe personal information simply as Curriculum vitae. And also sometimes used to promote something for business activity.

Example:

Name URL

* Anthony Wiktor <https://www.anthonydesigner.com/>
* Gary Sheng <http://www.garysheng.com/>
* Tony D <http://tonydorio.com/>
* Gray <https://www.cgpgrey.com/>
* Grant <http://grantbaldwin.com/>

1. Portals: Web Portals represents websites that bring many web resources together and offer forums, emails, search engines, etc. They are also used as an internal tool at universities or companies as they are perfect for keeping all important information in one place.

Example:

Name URL

* AAU <https://portal.aau.edu.et/>
* UAB patient portal <https://www.uabmedicine.org/>
* Marines <https://www.marines.com/>
* Stanford university <https://axess.sahr.stanford.edu/>
* AutoZone <https://www.autozone.com/>

1. Business/Marketing: In those sites offering goods and services sale and enabling online transactions for such sales, or by selling advertisement, even simply by providing any service that generate a revenue or cash flow.

Example:

Name URL

* eBay <https://play.google.com/>
* Fiverr <https://www.fiverr.com/>
* Like2Buy <https://www.curalate.com/>
* Pinterest <https://business.pinterest.com/>
* Alibaba <https://www.alibaba.com/>

1. Blog: This website provide platform like, to share your experience and knowledge with internet users. On the internet, and also, it’s like an online personality prototype of the owner of the blog.

Example:

Name URL

* Blogger <https://www.blogger.com/>
* WordPress <https://wordpress.com/>
* Tumblr <https://www.tumblr.com/>
* Weebly <https://www.weebly.com/>
* Blogster <http://www.www.blogster.com/>

1. Informational: This website offer known facts, statics for different event that happened in the world, ideas regarding about the current, even for the future and more… sometimes those websites provide a procedure for a certain work that we want.

Example:

Name URL

* Information is beautiful <https://informationisbeautiful.net/>
* How staff works <https://www.howstuffworks.com/>
* Cooking for Engineers <http://www.cookingforengineers.com/>
* Mind Tools <https://www.mindtools.com/>
* Mashable <https://mashable.com/>

1. Entertainment: These websites showcase entertaining information for visitors. Online magazines, gossip oriented websites, celebrity news, sports coverage, movies, the arts, humorous websites, etc. These websites are designed to be easy to navigate and frequently updated in order to keep users coming back for more information. They can be made more engaging by using dynamic content, such as videos, podcasts, slideshows, etc.

Example:

Name URL

* Eonline <https://www.eonline.com/ap>
* just for fun <https://9gag.com/>
* Netflix <https://www.netflix.com/et/>
* Imdb <https://www.imdb.com/>
* YouTube <https://www.youtube.com/>

1. Wiki: wiki is a type of website, it’s website content area, or the software used to operate and maintain it, where users of the site can collaboratively edit, structure, and provide new content for the site. This is in contrast to most types of websites, which only show content provided by the website’s operators, or may allow each user to provide content that only its author can edit.

Example:

Name URL

* Wiki books <https://en.wikibooks.org/wiki/Main_Page>
* Wikipedia <https://www.wikipedia.org/>
* Gamepedia <https://www.gamepedia.com/>
* Strangerthings <https://strangerthings.fandom.com/>
* Bassbell reference <https://www.baseball-reference.com/>

1. Advocacy: An Advocacy website is a website that people make to try get people to see their opinion on certain subjects. Or it’s an activity by an individual or group that aims to influence decisions within political, economic, social systems, institutions. Advocacy includes activities and publications to influence public policy, laws and budgets by using facts, their relationships, the media, and messaging to educate government officials and the public.

Example:

Name URL

* Speak out <https://www.speakoutnow.org/>
* Asista <https://asistahelp.org/>
* Change <https://www.change.org/>
* Alliance <https://www.afj.org/>
* Human right campaign <https://www.hrc.org/>

1. Content Aggregator: it is a site that collects pieces of content, such as blog articles, photos or videos, all in one place so that users can find them more easily. Some aggregators are niche sites that collect content for specific purposes. For example, News aggregator websites allow users to view news and updates from various sources at one convenient location.

Example:

Name URL

* Rottentomattoes <https://www.rottentomatoes.com/>
* Reddit <https://www.reddit.com/>
* Apple news <https://www.apple.com/apple-news/>
* [Epicurious](https://www.epicurious.com/) <https://www.epicurious.com/>
* Google news <https://news.google.com/?hl=en-ET&gl=ET&ceid=ET:en>