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**Most Powerful Library: the World Wide Web**

**Introduction**

Imagine about thirty years ago, you were trying to finish the homework assignments from your writing class, and you were required to do some research for the assignment. Something you could do is to walk into a massive library ,find a reference book and citate the relative contends to your homework. Nowadays, there is something is handy to you: the **World Wide Web**. The World Wide Web, or, simply, **the web** is playing a remark role in our life so that we couldn’t live without it.

**What is World Wide Web?**

![A picture containing graphical user interface

Description automatically generated]()Although we almost use the World Wide Web every day; However, many people still think it is a synonyms for **Internet** mistakenly. In fact, they are totally two different things. According to Downes (2007), “The Internet is the structure of interconnected computers ,and the web is the information and **resources** that are readily available from these computers”(P.535).The web is a huge **library** over the Internet where it stores tones of easily accessible, free information. About 11.5 million indexable, interlink “pages” make up the web from which, we can watch videos, watch images, listen to music and so on.

*Figure(1): the relation between the web and the Internet: Internet is the road to connect two computers, but the web is like the car running on the road.*

**History**

The inventor of the web is **Sir Tim Berners-Lee**, a computer scientist, born in London, who graduated from Oxford university. Initially, he worked at particle physics laboratory as a software engineer, and he realized that there is difficulty for the physics scientists to shared information. That was how he came up the idea of the World Wide Web.

* In march 1989, he had recorded his idea in a document called “[**Information Management: A Proposal**](http://info.cern.ch/Proposal.html)”
* In September 1990, he demonstrated his idea using **NeXT computer**, a product of Steve Jobs.
* By October of 1990, he already had finished the three fundamental technologies : **HTML,URL, and HTTP**.
* By the end of 1990, the **first** web page was seen on the open internet,
* In 1991, people **outside of CERN** had the **access** to the web.

**How does it work**

Diagram

Description automatically generatedAs mentioned before, three most important thing that achieve the web : HTML(Hypertext Markup Language),URL (Universal or Uniform Resource Locator), and HTTP(Hypertext Transfer **Protocol**). First of all ,URL is a “**zip code**” of a computer sever that stores the information that you request. Essentially, HTTP is a language that is both understood by a browser and a **sever computer**. After the browser in the client computer sent the request, the HTTP will have a conversation with the sever computer and the sever will respond to the commands of HTTP to send the demanded files. In order to make sure every computer understands the files that sent by the sever computer, every client computer needs to understand the command language — HTML, based on **ASCII**(American **Standard Code** for Information Interchange) .

*Figure(2): Client sever mode of Internet* **Conclusion**

Without doubt, The WWW is one of the greatest invention in the world for it provides everybody using the Internet a great convenience to get information from it. What’s more, it attributes to many other great achievements that medical field, science, physics ,etc. The web deserves all the credits for the development of the world.

**Reference**

***Downes, P. Introduction to the World Wide Web. Br Dent J 202, 535–540 (2007).*** [***https://doi.org/10.1038/bdj.2007.371***](https://doi.org/10.1038/bdj.2007.371)

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