





UNDERSTANDING THE WEB







Overview

• In this module we will discuss about what is internet, different services provide by internet, WWW, generations of wireless network. Then we will understand HTTP, webpage, website, web application, and difference of it.







Agenda

- What is internet?
- Internet Based Services
- World Wide Web (WWW)
- Generations of Wireless Network
- History and Evolution of the Internet
- Pros and Cons of Using the Internet

- Understanding HTTP Basics
- What is a WebPage?
- Types of Web page
- What is Website?
- What is a Web Application?
- Difference between Website and WebApplication







Learning Objectives

- Different Web terminologies for understanding the web
- HTTP concepts
- Website v/s Web application







What is Internet?



https://sites.google.com/site/tassadar550/web-resource







What is Internet?





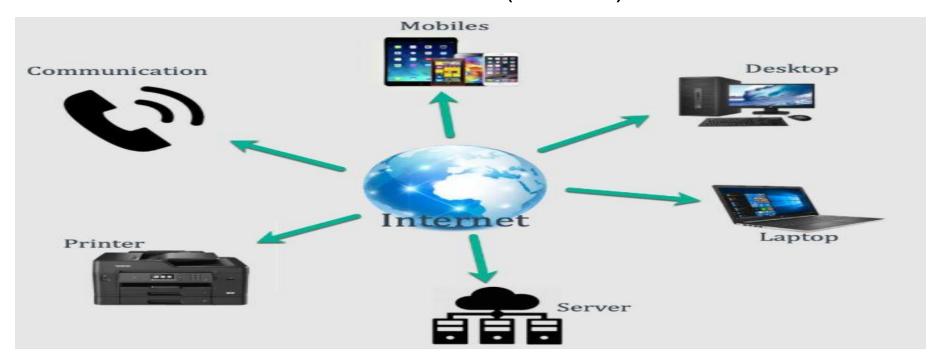




What is Internet?

Internet is a world-wide global system of interconnected computer networks.

Internet uses the standard Internet Protocol (TCP/IP).



https://img.webnots.com/2019/02/Overview-of-Internet.png







Internet Based Services

- 1. Electronic Mail (e-mail)
- World Wide Web
- File Transfer Protocol (FTP)
- 4. Chat Rooms
- Mailing list
- Instant Messaging
- News Groups

https://www.slideshare.net/sahilnagpal79025/services-provided-by-the-internet-46923539







World Wide Web (WWW)

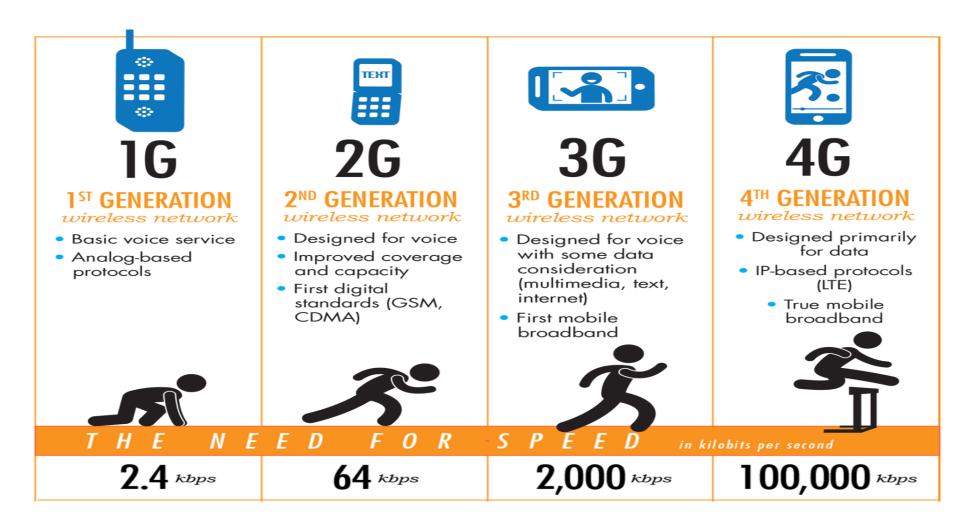








Generations of Wireless Network









History and Evolution of the Internet

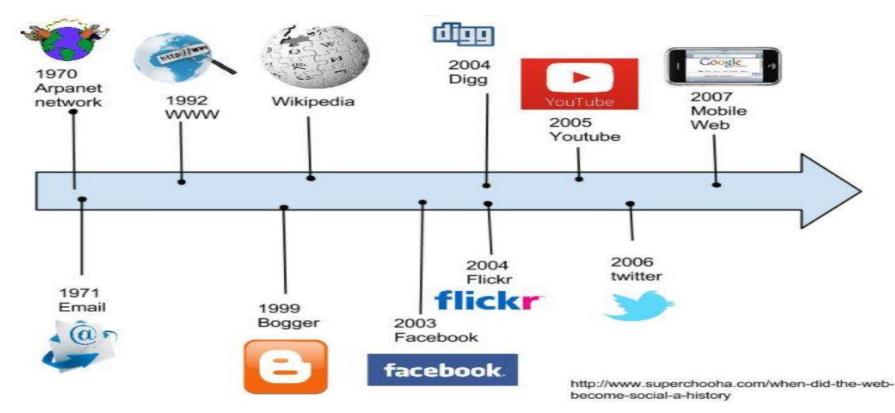


Image: Evolution of Internet

https://zaiiglock.files.wordpress.com/2013/11/internet-timeline-bbbb.jpg







Pros and Cons of Using the Internet

ADVANTAGES

- Sharing information
- Communication
- Entertainment
- Advertisement
- News
- Customer support and service
- Feedback from users
- Collection of information

DISADVANTAGES

- Viruses
- Theft of personal information
- Immorality
- Wastage of times
- Pornography
- Spamming
- Language problems

https://pt.slideshare.net/kirankurianphilip/internet-merits-demerits-features/3?smtNoRedir=1







Understanding HTTP Basics

- Stands for "Hypertext Transfer Protocol."
- HTTP is based on a request and a response.
- HTTP is the protocol used to transfer data over the web.
- HTTP is the protocol that is used by web servers and browsers to communicate.

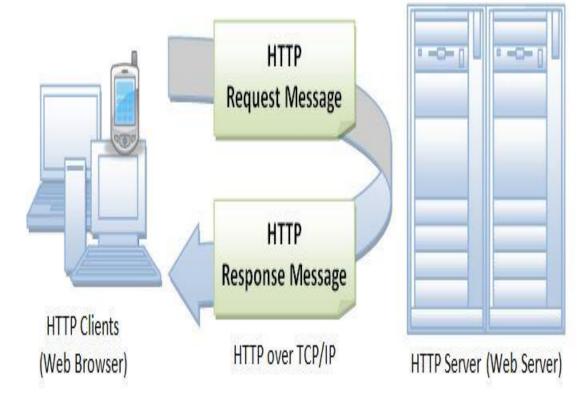


Fig: HTTP

https://www3.ntu.edu.sg/home/ehchua/programming/web programming/HTTP_Basics.html



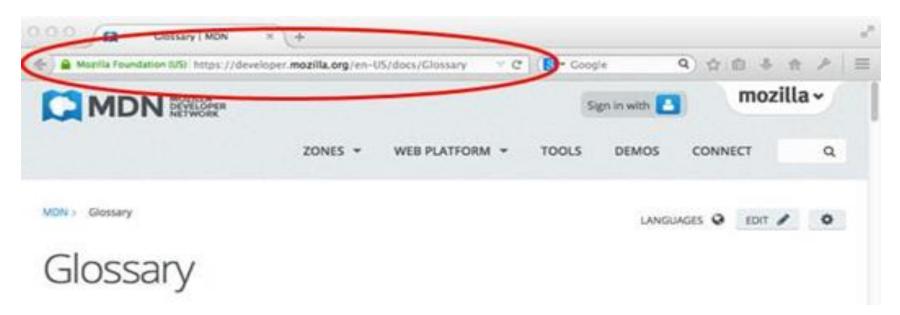




What is a Web Page?

A web page can contain huge information including text, graphics, audio, video, and hyperlinks.

These hyperlinks are the link to other web pages.



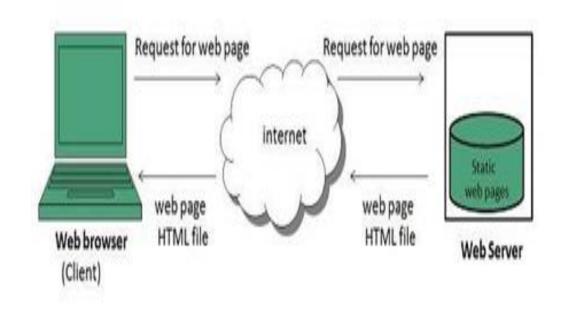
https://developer.mozilla.org/enUS/docs/Learn/Commonquestion/Pagessitesserversandsearchengines







Type of Web Pages



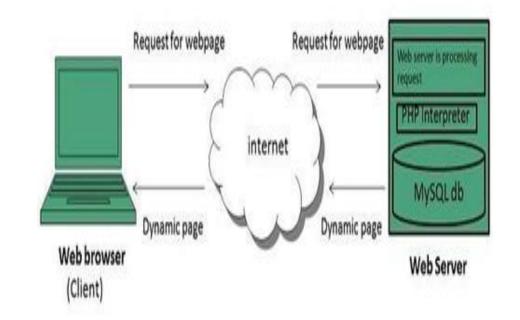


Image: Static Web page

Image: Dynamic Web page

https://www.tutorialspoint.com/internet_technologies/web_pages.htm

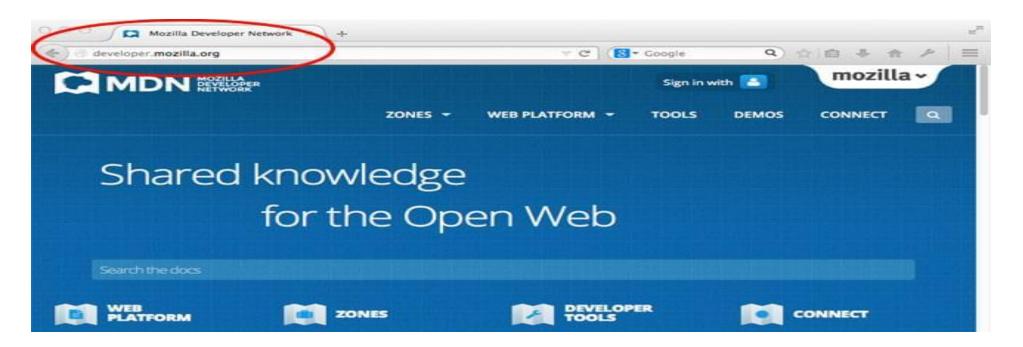






What is a Website?

A website is a collection of linked web pages that shares a unique domain name.



https://developer.mozilla.org/enUS/docs/Learn/Commonquestion/Pagessitesserversandsearchengines







What is a Web Application?

Web application is a client-side and server-side software application in which the client runs or request in a web browser.



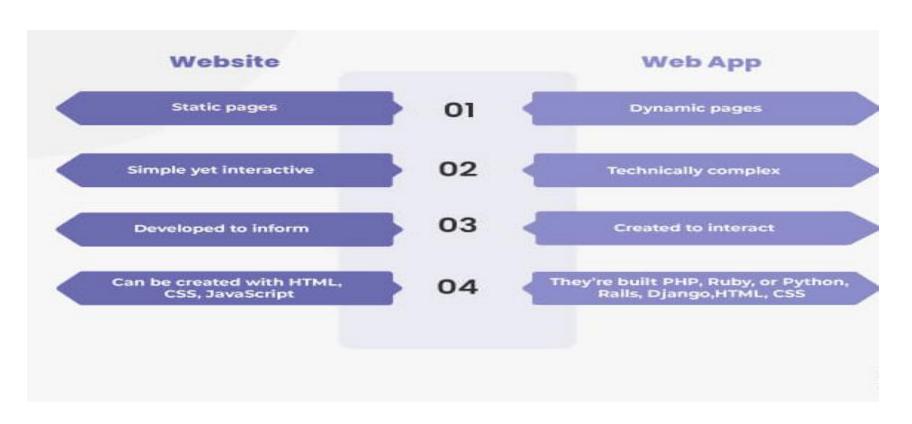
https://www.appverticals.com/blog/web-app-vs-website/







Difference Between Web application & Website



https://www.spaceotechnologies.com/webapplication-vs-website-difference/







Conclusion

We have learned and covered the following topics in this module:

- Understanding web concepts
- HTTP concepts for understanding client server architecture
- Basics of Website and Web application







THANK YOU