WEB
PAGE
TOOLKIT
atom
HTML
website
XML
BROWSER
JSP
TECNOLOGIES
UI
PHP
open
RSS
DOWNLOAD
data
CSS
framework
LIBRARY
ORIENTED
standard
server
software
hardware
CLIENT
upload
OBJECT

WEB
DEVELOPMENT
JS
HTML
jQuery
Java
php
RAILS

What is Web..?

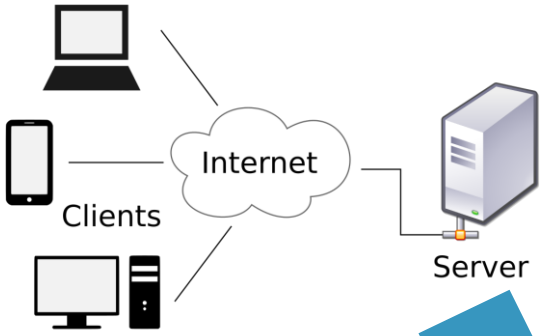
- World Wide Web(WWW) is simply called Web

- It is an information system where documents and other web resources are identified by Uniform Resource Locators (URLs, such as https://gmritchapter.acm.org), which may be interlinked by hypertext, and are accessible over the Internet.

Why Web..?

- Everything in this Digital world is directly or indirectly depends on the web.
- Internet allow us to stay connected with the all parts of the world. In internet web is the way for communication.
- Even if we consider mobile applications that are connected to internet, access data from the web using API's.

Client & Server



Client

- Here client refers to the Web Browser like Chrome

Server

- Who serves something that is intended to be is a server
- Here WebServer serves web resourses to the client

Static Vs Dynamic

Static Web Pages

- They deliver the content how exactly it was stored same for the every person at any time
- Backend is not necessary

Dynamic Web Page

- It customizes the page based on need it may different for different client at different

Frontend Vs Backend

Frontend

- The frontend is the part of a website what you see on your browser.
- Also referred to as “client-side”, it includes everything the user experiences directly: from text and colors to buttons, images, and menus.

Backend

- Backside in the terms it only runs at the server side

Database

- A database is an organized collection of data
- A Database Management System (DBMS) is software designed to store, retrieve, define, and manage data in a database.
- for managing DBMS a database language is necessary

Languages used...

Frontend

- HTML
- CSS
- Javascript

Backend

- PHP
- Java
- Python
- Javascript
- Ruby
- Rust ...

Database

- SQL
- No-SQL

Framework

- Frameworks are collection of prebuilt modules
- We use frameworks to reduce the development time

Frontend

- Bootstrap (CSS)
- JQuery (Javascript)
- Angular (Javascript)
- React (Javascript)

Backend

- Laravel (PHP)
- Django (Python)
- Flask (python)
- Nodejs (Javascript)
- Deno (javascript)
- Ruby on rails (Ruby)