cw_22-10-2024_PART1

👉🏻 Front end: UI(HTML, CSS, JS, Bootstrap, jQuery, React)
Backend: Database connectivity + processing

👉🏻 Server: is a machine similar to pc or laptop
server has RAM, CPU, Storage units

Client: device/browser on which we are opening the website

👉🏻 Operation: C, C++, Java, Python, PHP, .NET, JS, Node JS, Express JS

Database: MySQL, MongoDB, SQL Server, SQLite, PostgreSQL, Cassandra

HTML: is used to create a layout of web app, to display content on web page

CSS: Cascading Style Sheet, styling of web pager or beatification of web page

JS: Java Scrip, Client-side scripting, form validation, animation, arithmetic operation, popups

React : Library to devleop frontend of web app

Bootstrap : responsive

Node js : Run time enviroment for java script

👉 Client & Server technical aspects:

Note: These technical aspects are same for all the client & server regardless of the teach used

Analog for request/client:
1.Client send request to sever:
To send request we need URL of the server
2. Method of the request:

- is it for getting the data from server, saving data on server, deleting data, updating data
- GET, POST, PUT, DELETE, PATCH

Analogy for the response /server:

1. Server will Accept the request
2. It will start processing
3. Server will generate the response

We have certain properties associated with response:

1. Response Data → Array, String, Page
2. Response Status → Status code is always a numeric value & will have a message associated with it
   200,201,202,203...299 → Success event from server

   300,301,302,303....399 →Redirection

   400,401,402,403...499 →Error due to client mistake

   500,501,502,503...599 → Error due to server mistake