**How The Web Works:**

when a user opens the web browser and hit url like EX => (<https://google.com>)

he is actually getting out of the local to internet zone by http (Hyper text transfer protocol)

and it works like that:

it takes 4 stages :

**First (Request)** : when the user hit enter he sends a request to the server on the background requesting the data or the web site he searched for

**Note: the url is translated in to IP by the DNS (Domain Name System) like that 124.58.75**

**Second (response)**: the server receives the users request and see if it exists …

If yes it starts to response with the data (it’s not always data) …

**Third (build)**: the server starts the build stage or like what we say getting the things ready by building the web page on the browser

**Fourth (render)**: starting the render stage .. on this stage the web site starting to appear to the user (the front end )

If the data isn’t found on the server it returns 404 Error

**HTTP Message:**

http message composed of human readable information and this message will be encoded throw the request to an ASCII code and divided into http frames

and it goes like what I explained before..

the request is not only getting data there is several methods:

-get => to get data

-post – put => to send data to the server

-patch => to update an existing data

- delete => to delete some data

If there something wrong please don’t hesitate to contact me…thanks