WEB APPLICATION

This video says about the working of a web application. A web application is also called as we server where there are a lot of resources like various documents, images videos all kind of information that are required by the client. Client is the user who access the web application via the web browsers like Google chrome, Mozilla Firefox, internet explorer etc. we the user use the browser to get the information ie the resources in the web server. User gives request and the server gives them the service for the request. HTTP protocol is used for the establishment of the connection between the client and the server.

PROTOCOL

Protocols is the set of rules and regulations that are agreed among two persons or anything during their communication. This protocols make the communication possible and convenient. It is a kind of trust that is being built among two of the machines or client and server during the data transmission. This makes the 2 persons or machines under communication believe or expect that if one messaged for a request other will respond.

HTTP

Hyper text transfer protocol- it is the back bone of the internet. It is the protocol used by the for the client and server communication.

There are 6 basic properties –

1.it works on request response model. That is when ever the client sends a request message there will be a response from the server side.

2.it is stateless- that is after the completion of data transfer between the client and server it forgets about that communication. Which means when the same client request for a service after some time, it will not remember about the old transmission of data rather it build a new connection

3.It works on the application layer on the top of transport layer. In transport layer TCP protocol is used

4. client action- client perform various operation like post ,get , delete . post operation is used for uploading various files in to the server

5.Server status codes- eg: Server not found , page not found , 404 error

6. Header- this header is used to specify the content type of the requested file. We can specify the type like if we want XML, text file etc in the header

HOW INTERNET WORKS

Web browsers makes requests to servers and server responses back. Each request contains headers that tell the server how to respond. The server responds with a response and a content-type, which tells the browser what to do with the response. If the content-type is text/html, then the browser knows to treat the response like an html file. The browser understands this by parsing the response given by the srever.