February 13 Notes :

Authorization

- There is a proxy or authentication to prompt the user for the valid credentials to proceed to the page

Expect

- It will show the user whether it could handle the request being sent

- 100 Continue

- 417 Fail expectation

From

- It shows the email address of the user making the request

Host

- Indicates the appropriate link to a server to know which file the client is accessing if the host is not indicated it will return   
 - 400 Bad Request

If-Match , If-Modified-Since , If-None-Match , If-Unmodified-Since

- If-None-Match returns an entity tag

Time & Date modified/Accessed

764-547cd3082082f

Entity tag

- If the copy is the same as the clients copy :

- 304 Not Modified

- 412 Precondition Failed

- If-Modified-Since shows when the site/page was last accessed

If-Range

- When this is used it only returns a portion of the file depending on the value you put in "Content-Range" , it also returns:

- 201 Partial Content

- 416 Requested Range Not Satisfiable

Max-Forwards

- Used to limit traces and the nodes it uses depending on how many the client wants and reflects it

Referer

- It shows the index page/file where the particular file resides in or where it originated from

TE (Trailer Encoding)

- It loads the content following the particular file

User-Agent

- Official term for the client , usually determines the browser used by the client or the device being used to access the page

February 16

RESPONSE HEADER FIELDS

Age

- Tells the browser if the page is cacheable or not

Etag

- It simply establishes the node identity

Location

- It shows the location of a particular file that have been moved. It redirects the user to the new location of the file

Retry After

- Tells the user that the page is not available at the moment and sends a :

-503 Service Unavailable

Server

- Shows information about the server like what its using or where it is running on , details might vary from page to page

Vary

- It shows where the encoding is accepted or not

ENTITY HEADER FIELDS

Allow

- Shows if it allows a certain request

Content Language

- The language that the page uses

Content Length

- Length / How long the resource is

Content Location

- Shows where the resource came from

Content MD5(Message Digest 5) [Deprecated]

- If a resource is sent then its hash is also sent for comparison reasons by computing the hash

Content Range

- Chunks of the resource that will be/was sent/received

Content Type

- Defines what type the resource is if its a code , image , text etc.

Expires

- Shows how long the cache will be kept before it gets deleted.

Last Modified

- Shows when the resource had been modified/changed

HTTP STATUS CODES

Informational

- 100 Continue

- When the client sends an expect

- 101 Switching Protocol

- For upgrading the protocol being currently used

Success (2xx)

- 200 OK : Successful Access

- 201 Created : Made a resource

- 202 Accepted : Confirmation that the resource was received

- 203 Non-Authoritative Info : Tells the client that the resource came from another server

- 204 No Content : successful but no resource sent

- 205 Reset Content : Tells the client to reset the way it sends resources

- 206 Partial Content - Result from a range request

Redirection (3xx)

- 300 Multiple Choices : Many resources being accessed

- 301 Moved Permanently : The resource is no longer there

- 302 Found : Resource accessed

- 303 See Other : Look at another location

- 304 Not Modified : Client and server copy is the same

- 305 Use Proxy : Prompts the user to go through a proxy

- 306 Unused - Undefined

Client Error (4xx)

- 400 Bad Request - 410 Gone

- 401 Unauthorize - 411 Length Required

- 402 Payment Required - 412 Precondition Failed

- 403 Forbidden - 413 Request Entity Too Large

- 404 Not found - 414 Request URL Too Large

- 405 Method not allowed - 415 Unsupported Media Type

- 406 Not acceptable - 416 Requested Range Not Satisfiable

- 407 Proxy Auth Required - 417 Expectation Failed

- 408 Request time-out - 426 Upgrade Required [New]

- 409 Conflict

Server Error (5xx)

- 500 Internal Server Error

- 501 Not Implemented

- 502 Bad Gateway

- 503 Service Unavailable

- 504 Gateway Timeout

- 505 Http Version Not Supported