**HTTP Response Message**

* After receiving a request message, a server responds with an HTTP response message.
* Response message use cache in answering subsequent request, a response can store cache to store a copy of the response message and the system that controls its message storage, retrieval and deletion.

According to RFC 2616 HTTP/1.1 June 1999

A response comes directly without unnecessary delay and its validity is directly checked with the origin server.

**Status-Line**

* The first line of a response message is the status line consists of protocol version followed by their corresponding numeric status code and its textual phrase.

**Status code and Reason Phrase**

* Status-code element is a 3- digit integer result code to understand the request
* Reason Phrase is intended to give a short description for the status code

**1xx Informational**

100 Continue

101 Switching protocols

**2xx Success**

200 Ok

202 Accepted

203 Non- Authorized Information

204 No Content

205 Reset Content

206 Partial Content

**3xx Redirection**

300 Multiple Choices

301 Moved Permanently

302 Found

303 See Other

304 Not Modified

305 Use Proxy

307 Temporary Redirect

**4xx Client Error**

400 Bad Request

401 Unauthorized

402 Payment Required

403 Forbidden

404 Not Found

405 Method not Allowed

406 Not Acceptable

407 Proxy Authentication Required

408 Request Timeout

409 Conflict

410 Gone

411 Length Required

412 Precondition Failed

413 Request Entity Too Large

414 Request-URI Too Long

415 Unsupported Media Type

416 Request Range Not Satisfiable

417 Expectation Failed

**5xx Server Error**

500 Internal Server Error

501 Not Implemented

502 Bad Gateway

503 Service Unavailable

504 Gateway Timeout

505 HTTP Version Not Supported

**Response Header- Field**

* Allows the server to pass additional information about the response which cannot be placed in the status line, it gives information about the server and access to its resource requested by URI.

**Empty line**

* In a response messages they use a generic message formatting for the transfer of entities consisting of start line and empty line
* According to RFC 822

1. Start-line- both request and response consist of start line, zero or more header fields
2. Empty line- indicating the end of the header field and message body.

**Message Body**

* A message used to carry entity body associated with the request/ response, message body only differs from **entity- body** if **transfer-coding** has been applied.
* Message body is a protocol element it represents line break that breaks between body-parts