HTTP Request Method (…continuation)

* SAFE METHOD- are read only methods and does make no changes on the resource

-methods under this are GET, HEAD, TRACE, and OPTIONS

* IDEMPOTENT METHOD- methods producing the expected result from the server

- methods are GET, HEAD, OPTIONS, TRACE, PUT, and DELETE

* CACHEABLE METHOD –indicates that the response to a method is allowed to be stored for future reuse. This method ensures that the data being sent to the client is always new.

-GET, HEAD, and POST

HTTP RESPONSE MESSAGE

-a server sends a response after it received and interpreted a request message.

* Status Line - consists of the protocol version followed by a numeric status code and its associated textual phrase.

-Status code- A 3-digit integer where in the first digit will determine the class of response. The status code consists of 5 classifications:

1. Informational : 1xx

- The request was received and the process is continuing.

Example:

|  |  |
| --- | --- |
| 100 | Continue |
| 101 | Switching Protocol |

2. Success : 2xx

- Response indicating the action was successfully received, understood , and accepted.

Example:

|  |  |
| --- | --- |
| 200 | OK |
| 201 | Created |
| 202 | Accepted |
| 204 | No Content |
| 205 | Partial Content |

3. Redirection : 3xx

- A response indicating an action must further be done to complete a request

Example:

|  |  |
| --- | --- |
| 300 | Multiple Choices |
| 302 | Found |
| 304 | Not Modified |
| 305 | Use Proxy |
| 307 | Temporary Redirect |

4. Client Error : 4xx

-Response that the request contains incorrect syntax or cannot be done.

Example:

|  |  |
| --- | --- |
| 400 | Bad Request |
| 401 | Unauthorized |
| 403 | Forbidden |
| 404 | Not Found |
| 408 | Request Timeout |

5. Server Error : 5xx

-The server failed to response on a valid request.

Example:

|  |  |
| --- | --- |
| 500 | Internal Server Error |
| 502 | Bad Gateway |
| 503 | Service Unavailable |
| 504 | Gateway Time-out |