Lecture:

**\*\*HTTP Request Messages**

\*Request Line (CRLF – terminates line consisting three space-separated values.)

\*Method

\*Request URI

\*\*HTTP protocol version

\*Message Headers (general, request, and entity headset)

\*HTTP 1.1 requires at least the host request header to be provided

\*Empty line (CRLF)

\*Message body – also known as payload (optional)

**\*\*HTTP Response**

\*Status line (CRLF-terminated line consisting of 3 space separated values)

\*HTTP protocol version

\*Status Code

\*Reason Phase

\*Message headers(General, response, and or entity headers)

**\*Message body – also known as payload (optional)**

\*\***HTTP Request Methods**

Standard methods

(GET,HEAD, POST, PUT, DELETE, OPTIONS, TRACE, CONNECT)

Get-most commonly used HTTP method

Head- retrieves metadata

Put- store the enclosed entity in the message body under the specified request URI

Delete- remove the resource associated with the request URI

Options- request information

Trace- request a loop-back of the request message, used for testing/diagnostic of the request/response chain

Connect- request the establishment of a tunnel to the destination origin server

\*\***HTTP Message Headers**

* Cache control- local storage
* Connection
* Date
* Pragma
* Trailer
* Transfer-Encoding
* Upgrade protocol negotiation
* Via
* Warning