HTTP Resource Addressing

* Resources are identified using URIs

Message Headers – general, request, entity headers

HTTP Response Message

* Status Line

HTTP Protocol Version

Status Code

Reason Phrase

* Message Headers (general, response, entity headers)
* Empty Line (CRLF)
* Message Body (optional)

HTTP Request Methods

* Standard Methods

Get – get the resource.

Head – same as get but entity not included in response; get info about resource.

Link Rot – when links in site is taken down by the administrator

Post – submit; queries like passwords and username input are not shown in the URL

Put – store entity in the messaging body

Delete – delete resources associated with the request URI

Options

Trace – request loop-back of the request message

Connect – request the establishment of a tunnel destination

* Extension Method

E.g WebDAV (RFC 4918)

PROPFIND ,PROPATCH, MKCOL, COPY, MOVE, LOCK, UNLOCK

* Safe Method – do not change resource with request
* Idempotent Method – same request as result
* Cacheable Method – response can be cached

Message Headers

* General
* Request
* Response
* Entity