HTTP request message

- two types of HTTP messages: request, response
- HTTP request message:
 - ASCII (human-readable format)

```
line-feed character
request line (GET, POST,
                              GET /index.html HTTP/1.1\r\n
HEAD commands)
                              Host: www-net.cs.umass.edu\r\n
                              User-Agent: Firefox/3.6.10\r\n
                              Accept: text/html,application/xhtml+xml\r\n
                     header
                              Accept-Language: en-us,en;q=0.5\r\n
                       lines
                              Accept-Encoding: gzip,deflate\r\n
                              Accept-Charset: ISO-8859-1, utf-8; q=0.7\r\n
                              Keep-Alive: 115\r\n
                              Connection: keep-alive\r\n
   carriage return, line feed
   at start of line indicates
   end of header lines
                              * Check out the online interactive exercises for more
```

examples: http://gaia.cs.umass.edu/kurose ross/interactive/

çarriage return character

HTTP response message

```
status line (protocol ——
                               HTTP/1.1 200 OK\r\n
                                Date: Sun, 26 Sep 2010 20:09:20 GMT\r\n
status code status phrase)
                                Server: Apache/2.0.52 (CentOS) \r\n
                                Last-Modified: Tue, 30 Oct 2007 17:00:02
                                   GMT\r\n
                                ETag: "17dc6-a5c-bf716880"\r\n
                      header
                                Accept-Ranges: bytes\r\n
                        lines
                                Content-Length: 2652\r\n
                                Keep-Alive: timeout=10, max=100\r\n
                                Connection: Keep-Alive\r\n
                                Content-Type: text/html; charset=ISO-8859-
                                   1\r\n
                                \r\n
data, e.g., requested -
                                data data data data ...
HTML file
```

^{*} Check out the online interactive exercises for more examples: http://gaia.cs.umass.edu/kurose_ross/interactive/