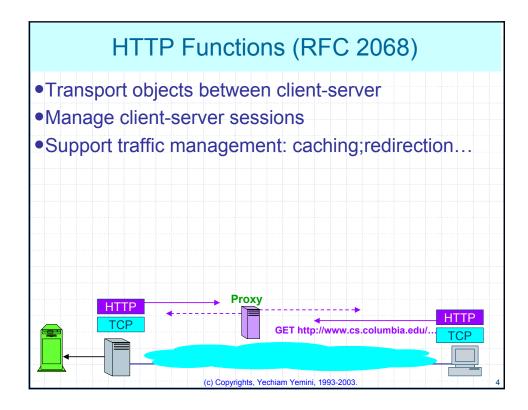
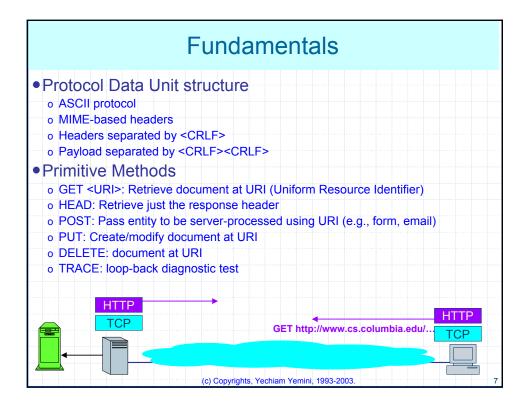


## HTTP Overview



	HTTP By Example
GET request GET	An ASCII protocol /~yemini/index.html HTTP/1.1 t: www.cs.columbia.edu Mail-like headers
Response headers	ept: text/html Client capabilities Completion code HTTP/1.1 200 OK Date: Wed, 26 Feb 2003 03:01:03 GMT Server: Apache/1.3.12 (Unix) mod_ssl/2.6.6 OpenSSL/0.9.5a Last-Modified: Thu, 31 Oct 2002 16:54:42 GMT ETag: "a2204-1089-3dc16052"
	Accept-Ranges: bytes Content-Length: 4233 Content-Type: text/html X-Pad: avoid browser bug <html>  Payload document </html> (c) Copyrights, Yechiam Yemini, 1993-2003. 5

Another Example	
GET /dcc/netscript HTTP/1.1 User-agent: Mozilla/4.0 Accept: text/html,image/gif,image/jpeg	
HTTP/1.1 301 Moved Permanently Connection: close Date: Mon, 06 Mar 2000 04:08:21 GMT Server: Apache/1.3.6 Last-Modified: Sun, 09 May 1999 10:23:12 GMT Content-Length: 17832	code
Content Tangch. 17052 Content-Type: text/html HTML PUBLIC "-//IETF//DTD HTML<br 2.0//EN"> <html><head> <title>301 Moved Permanently</title> </head><body></body></html>	
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	Headers
Request headers     o User-Agent     o Accept     o Referer     o From     o Authorization     o If-Modified-Since     o Cache-request-directive     o Cookie	specifies the browser version specifies browser capabilities tracks source system contains email address of user username and password retrieve document only if newer client controls caching proxies reports a cookie value
Response headers	
<ul> <li>o Server</li> <li>o Content-length</li> <li>o Content-type</li> <li>o Last-modified</li> <li>o Expires</li> <li>o Etag</li> <li>o Content-MD5</li> <li>o Location</li> <li>o Cache-response-directive</li> <li>o Set cookie</li> </ul>	identifies server document size in bytes file type (e.g., html, gif, pdf) GMT when document last changed TTL for caching entity tag (used for state synchronization) assure entity integrity through message-digest redirect the client to URI server controls caching deposits a cookie at client

Status Codes			
<ul> <li>1xx: Informational –request received, being processed</li> <li>2xx: Success –request received and processed</li> <li>3xx: Redirection – action required to complete request</li> <li>4xx: Client error – bad syntax or cannot be fulfilled</li> <li>5xx: Server error – server failed to handle valid request</li> </ul>			
Status-Code = "100"; Continue   "101"; Switching Protocols			
"200" ; OK   "201" ; Created   "202" ; Accepted   "203" ; Non-Authoritative Information   "204" ; No Content   "205" ; Reset Content   "206" ; Partial Content			
"300" ; Multiple Choices   "301" ; Moved Permanently   "302" ; Moved Temporarily   "303" ; See Other   "304" ; Not Modified   "305" ; Use Proxy			
"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 Time-out			
"409"; Conflict   "410"; Gone   "411"; Length Required   "412"; Precondition Failed   "413"; Request Entity Too Large   "414"; Request-URI Too Large   "415"; Unsupported Media Type			
"500" ; Internal Server Error   "501" ; Not Implemented   "502" ; Bad Gateway   "503" ; Service Unavailable   "504" ; Gateway Time-out   "505" ; HTTP Version not supported			
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