**In class activity - Ch.2 (2.2 Web and HTTP)**

1. Web application

* Uses HTTP protocol [RFC 1945 specification] implemented in 2 programs: client and server

Ex. Firefox browser - Appache Web server

* Persistent or non-persistent HTTP connection
* Server is stateless = keeps no info about clients 🡺 let’s use cookies for this (Fig. 2.10)
* Some HTTP client methods: GET, PUT, HEAD, DELETE
* Some common status codes from server: 200 OK (request is ok and info is sent to client); 301 Moved Permanently; 404 Not Found

1. Proxy server = Web cache server

* Maintained by ISP
* Faster response to clients
* Reduces traffic + cost
* Hit rate of ~ 0.2 – 0.7
* Conditional GET – used by the Web cache to see if its current copy of the requested file is unchanged at the original server

GET /pics/sky.jpg HTTP/1.1

Host: www.name.dom

If-modified-since: Wed, 7 Sept 2015 09:45:23