Mid Assignment 02

Client host   server host

ebay : 8734

amazon : 1678
ebay : 8734

usual http requst

usual http response
set-cookie 1678

server creates
ID 1678

entry in database

usual http requst
cookie : 1678

cookie spraific action

access

One week later

usual http response

amazon : 1678
ebay : 8734

usual http requst
cookie : 1678

cookie specific action

access

usual http response

key:

cookie-file

Time   Time

Client — HTTP request / HTTP response — Proxy Server — HTTP request / HTTP response — Origin Server
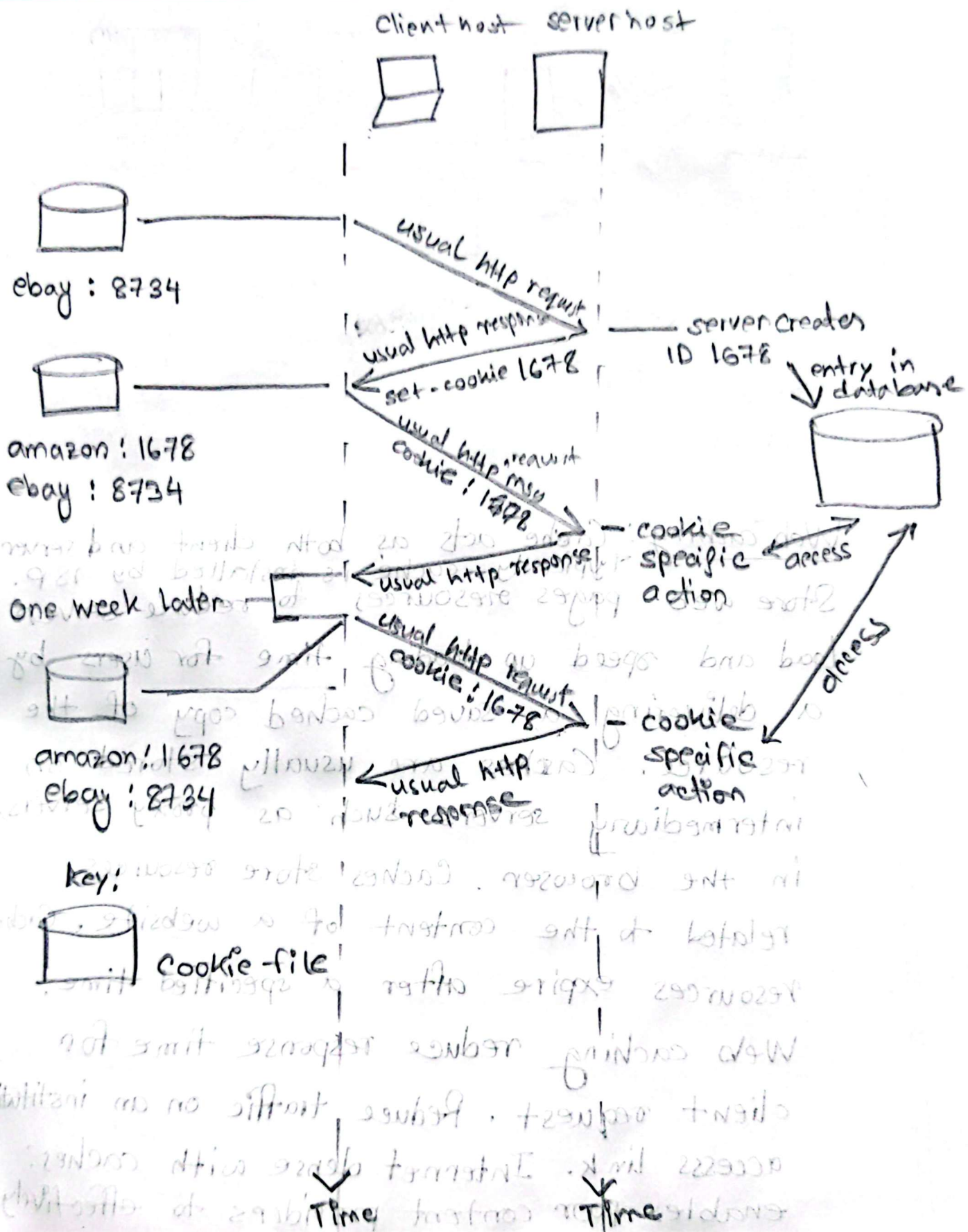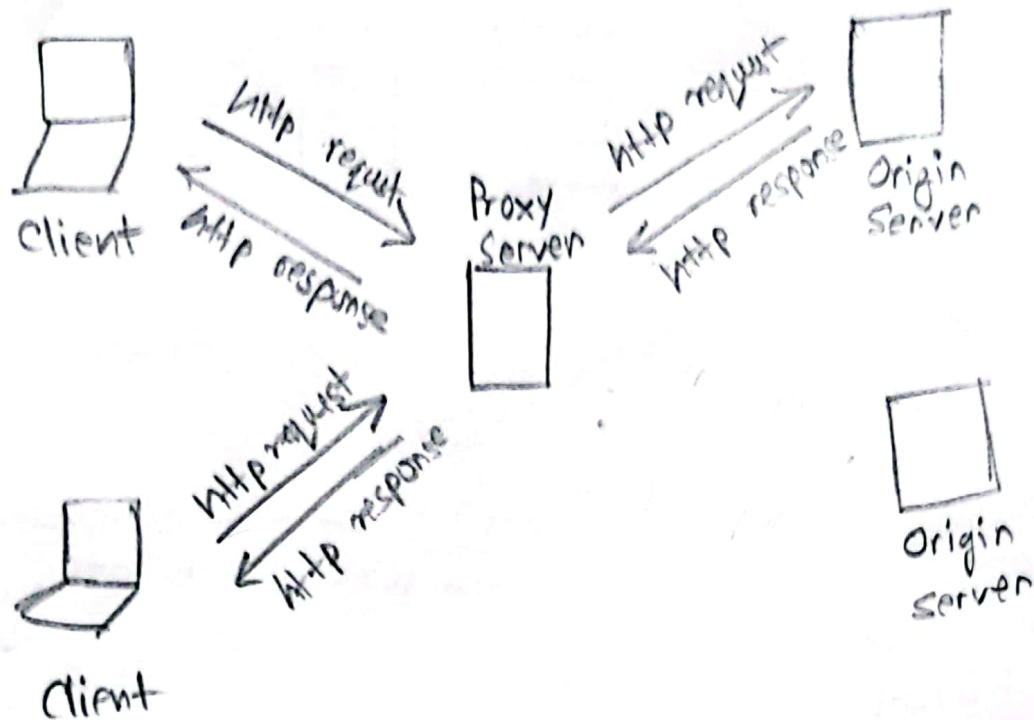
Client — HTTP request / HTTP response

Origin server

Web caching : Cache acts as both client and server. Typically cache is installed by ISP. Store web pages resources to reduce server load and speed up loading time for users by a delivering a saved cached copy of the resource. Caches are usually stored on intermediary servers such as proxy servers, in the browser. Caches store resources related to the content of a website. Cached resources expire after a specified time. Web caching reduce response time for client request. Reduce traffic on an institution's accesss link. Internet dense with caches: enables poor content providers to effectively

deliver content.

Cookies:

Store small pieces of data on the user's browser to track user behaivor, stored on the user's browser as small text files. Cookies store user-specific data such as login status, shopping cart items, preferences etc. Cookies can be session-based (expire after closing the browser) or persistent (expire after a certain time set by the server).