Step1: 0.1.

a) Web browsing:

Chartnane: Web browser

Server name: Web browser

The caches can be placed in both web browser and servers to speed up the process

Step 2:

b) On line banking

Client name: Web proviser

Bomk Server Server name:

The eacher com be placed either web browser or

bank servers to speed up the process

a) Web browsing:

	P. Carrieron	
Levels	5,2e	
Browser cache	Frachan of client compu	Latency Local disk
Proxy/CDN cache	Proxy disk	Lay and proxy disk
Server side cache		WAN and sever disk
· Server storage cache		WAN and server storge
b) On line bouting	Size.	Letency
Bronser cache	I client hard	Local hand disk
Server side cache	% server disk	war and server disk
n storage cache	server storege	WAP and server storage
	I who and	It's access latency
c. Relectionship be	twely Charles	las da Line the
1 11 web by	rowsing and the	to size of
latency is not a	directly	
Uso cache		

- Page is the unit of data transfer between hierarchies

 The Transfer latency gets bigger with the data size and data Location
- Wob page is the unit of date transfer between hierarchies

 The transfer latency gets digger with the date size and deta location.

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Communication boundwith and server processing boundwith are two main fectors to designed nemary herardy.

- a. Web browsing
- 1) Browser: This is town crosting band with
- 2) Proxy cache: This is the communication bandwith and server processing bandwith.
- 3) Server side cade. This is the communication bondwith and server processing bandwith
- 1) Server storage: server processing bound with These are more cost money.
 - b)

 1) browser: This is communication bond with

 2) Server side ceeke: This is the communication
 bondwith and server processing bondwith

 3) server storage: server processing bondwith

 There are more cost meney

a) In web browsing it depends on proximity between interests of clients Different client's uses different browser such as Explorer or five fox and so on as a result both special and temporal reduces Similar clients by mutual pre-fetching improve both

b.) Methple dients cannot request for similar page at a time this not approable

be provideding out of date data is server up date the page content. This can be evaled by selectively asked page content (or) "expires" header

In online bouting the example for the cache come be providing out of date is serven update to financial details. This can be availed by selectively cache non financial cartest