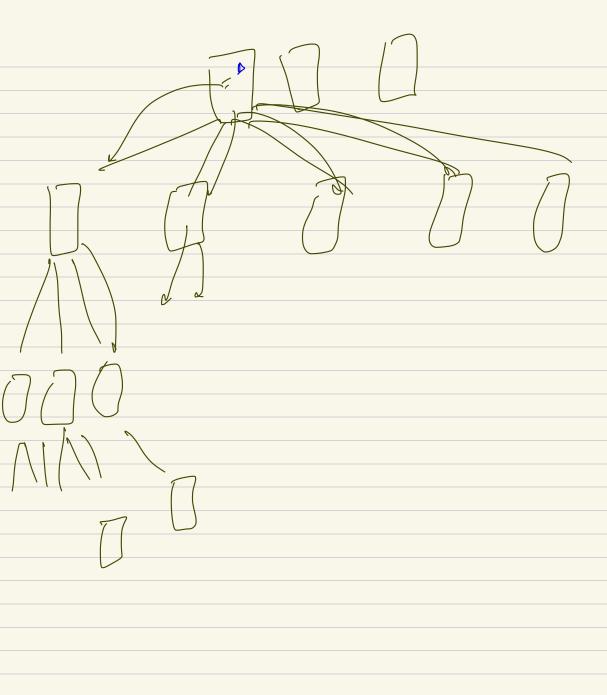
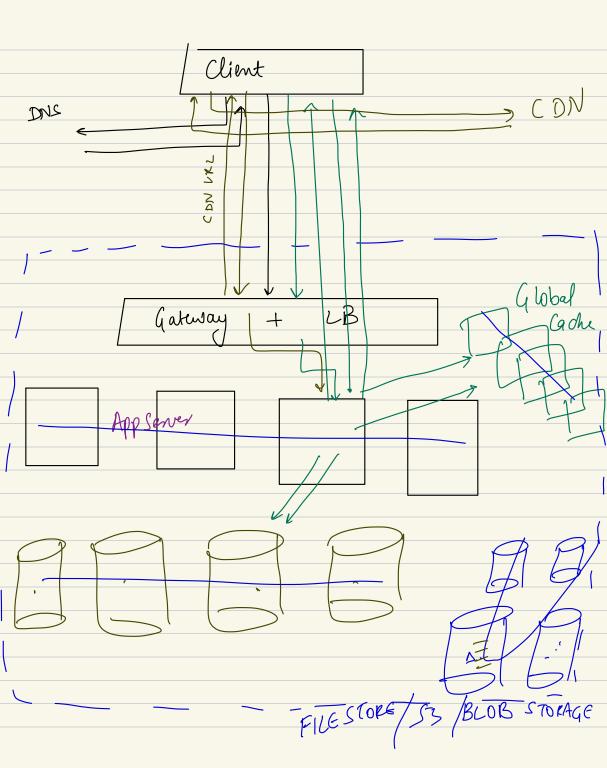


Big static me	dig content (like Viduos, Photos) etc.
need to be t	exansferred again and again for every
individual user	,
	Netfüx/Source double contre is going to be
cles ked_	
2	Duplicate data transfer for every individual user.
	individual user.
	lakney of data transfer & Distance
	Content Delivery Networks (:)

CON like Aramai б O D 0 6 6





Amstre

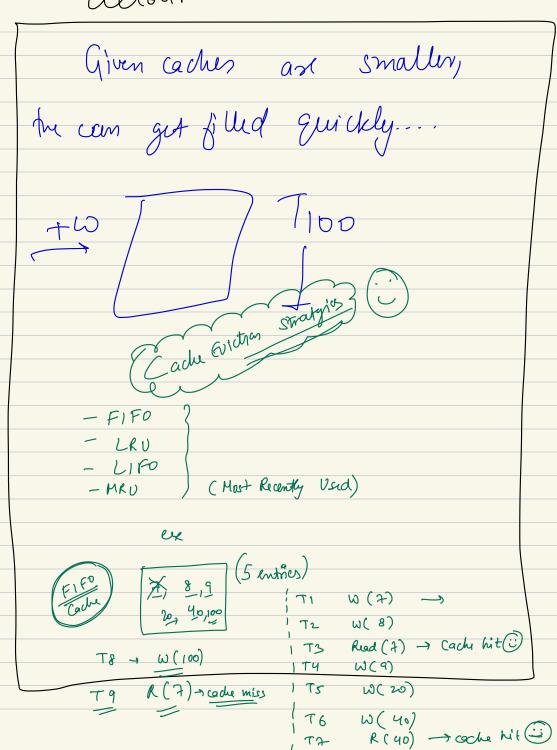
Cache Dis NOT the ultimate store hence it doesn't have the source of truth (i) 2 Cache is limited in size (adu) <<<<(DB) you can't cache every data point and data update. CACHE DATA CAN BECOME INCONSISTENT

Cadre - is just a copy

(can go Out of sync)

(ache Invalidation Strategy TTL (Time to live) +data (TTL = 10:38 pm 23/NO/2027 +data (TTL= 10:45pm 23)Nov (23) Strategies used for writing to Cache Write Through cache Cadre Client.

detour



TA

## CON

1) Increase he with Conting TTT

(2) Given your cache size is limited, and in this strategy, you've tripy to write Colyming to the cache, it will have loads of cache existion...

PRO:

(i) data consistency

2) if your system is Read heavy,

then this system will speed up

your reads ....

WRITE BACK CACHG (limt PRO: - very fast Write DB - DB can handle swottes in batches CONS -> data is inconsistent -> data can get lost for ever.

CACHE AROUND WRITE Cache Client Pfo: data is always persisted

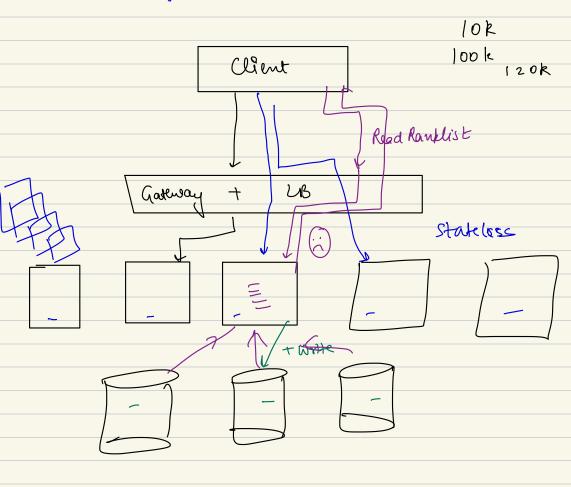
COIU:

(i) high latercy (2) data is inconsistant

11:06- 11:20pm Break

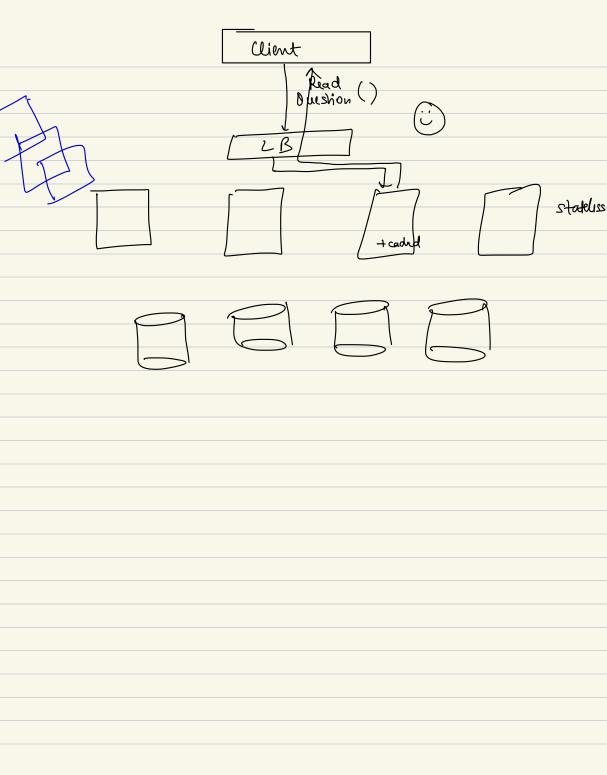
## Real life Examples

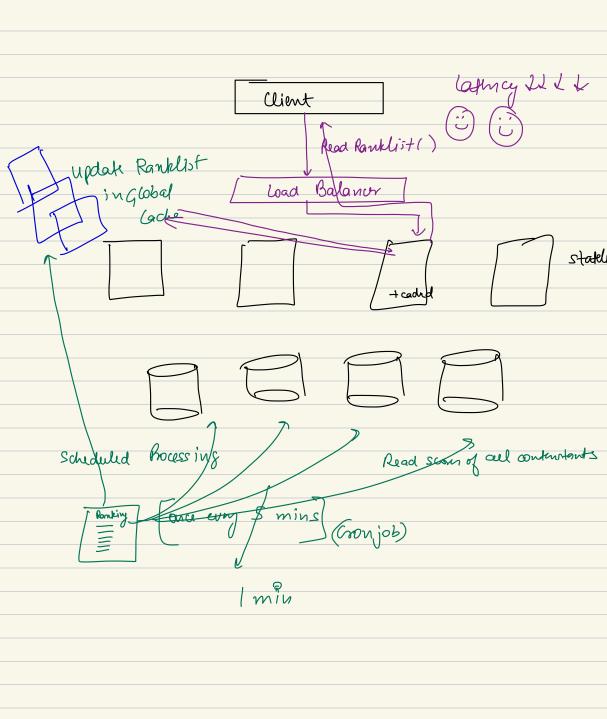
Ranklist of a contest

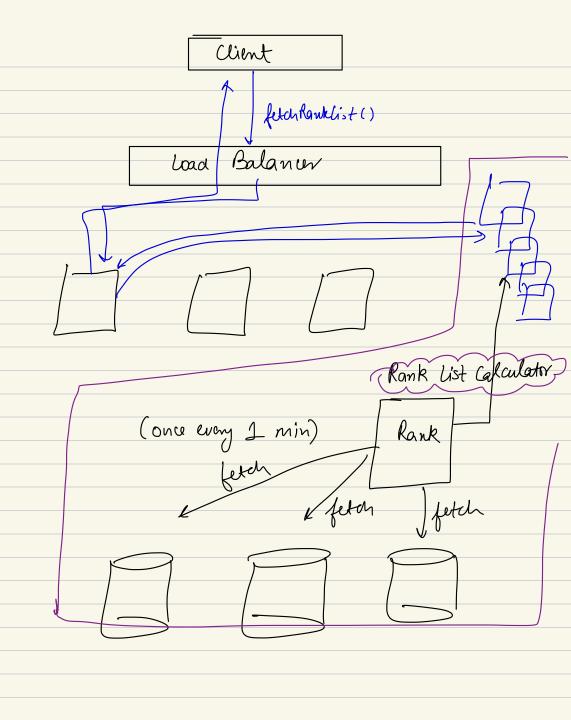


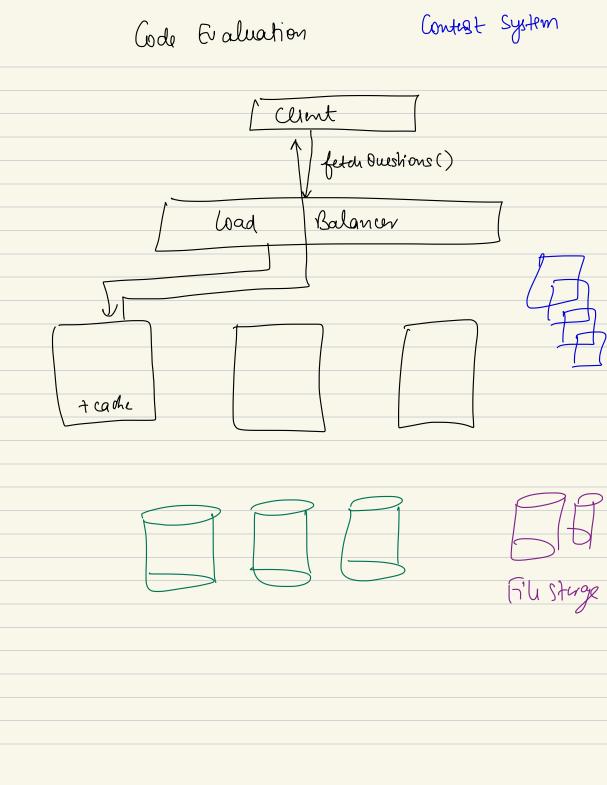
At every read ranklist query, collecty data

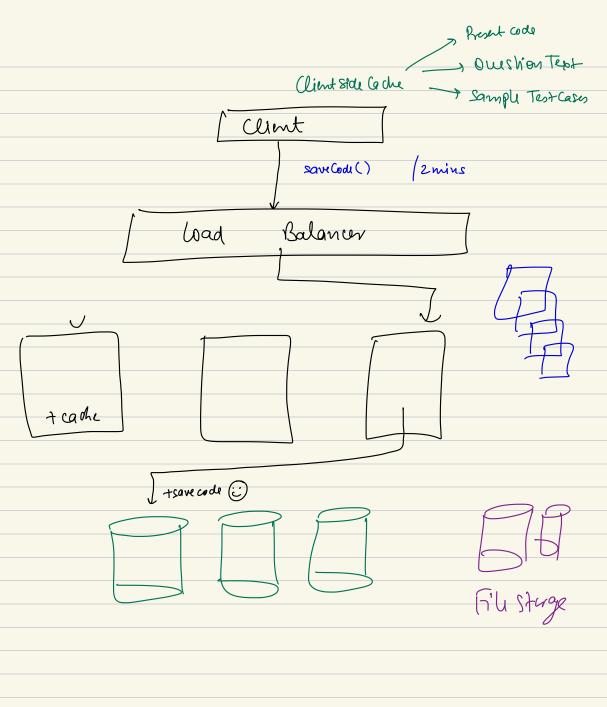
and generating the variablest affects is
a bad idea. This want scale...

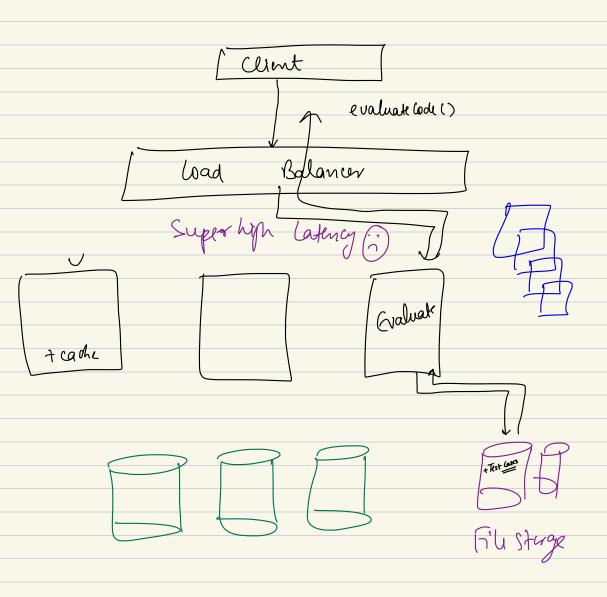












Code Evaluation Senile Microsenius

Big Systim

Evaluatas sensice

App Server -> Stateful

.

Starful Load Balancing - Consistant Mashing - State Tracker