Relational Database (SQL)

User Table

1	Bob	Male	28	Single
2	Mark	Male	34	Married
3	Alice	Female	50	Married

User data has a defined structure

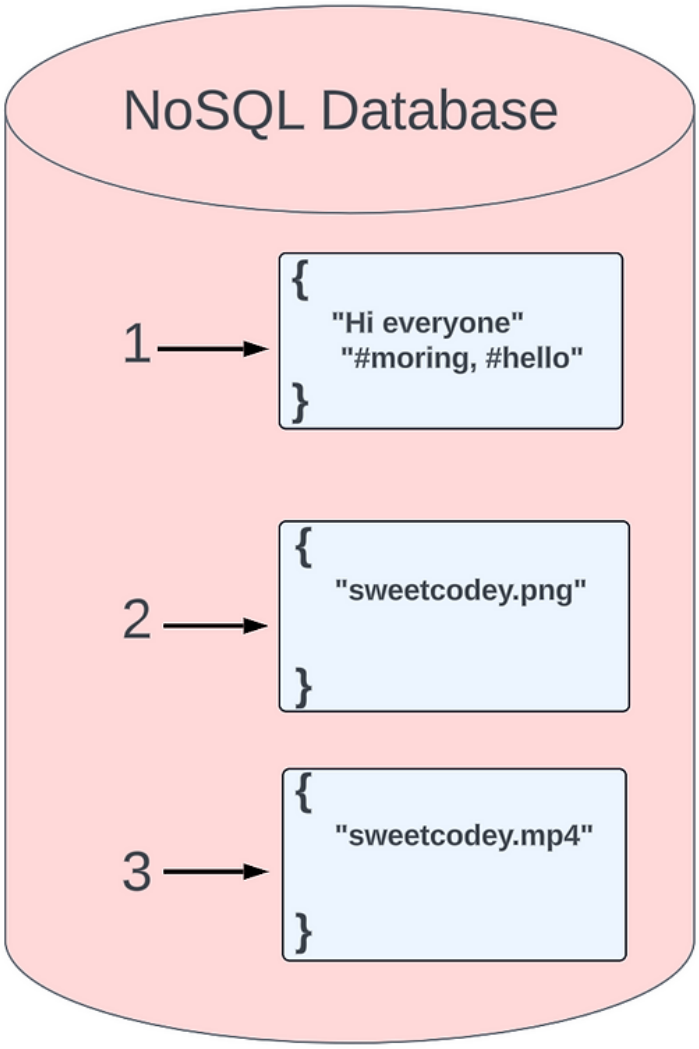
Non-Relational Database (NOSQL)

Social Media Post Table

1	"Hi everyone"			#morning, #hello
2		 sweetcodey.png		
3			 sweetcodey.mp4	

Lot of Empty Entries == Table Space Wasted!

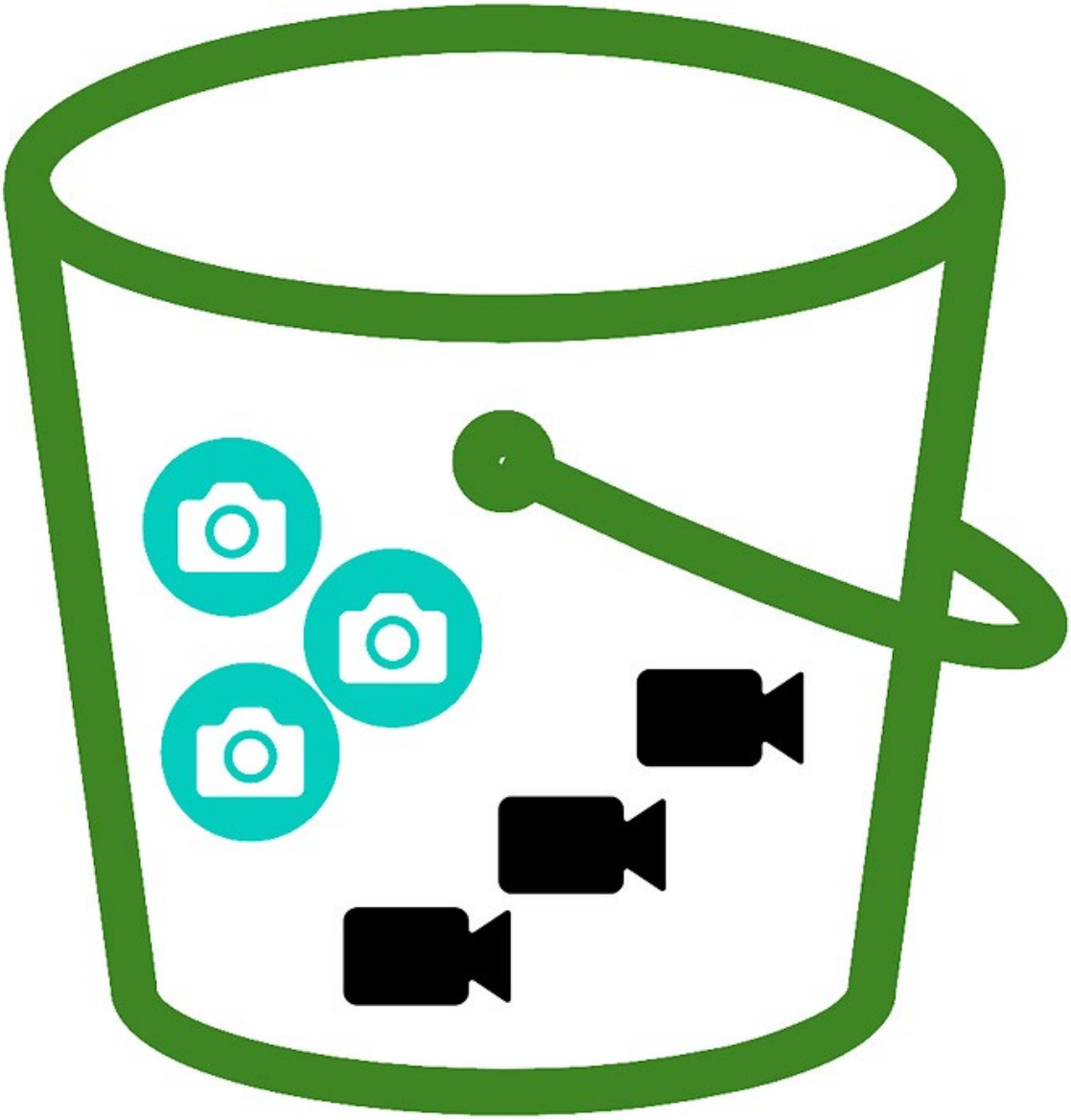
Social Media Post data doesn't have a defined structure



Each post (being unstructured) is stored in a JSON document.

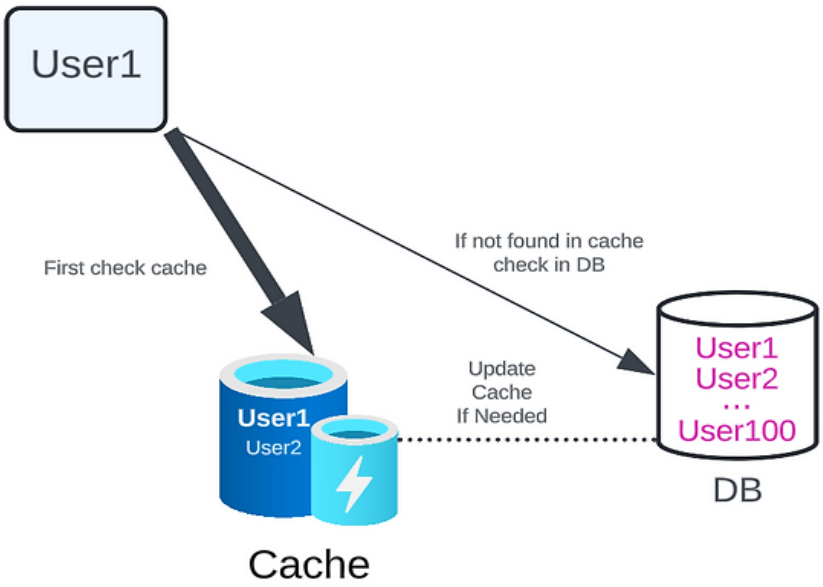
Can be accessed by Key (PostId)

Object Storage



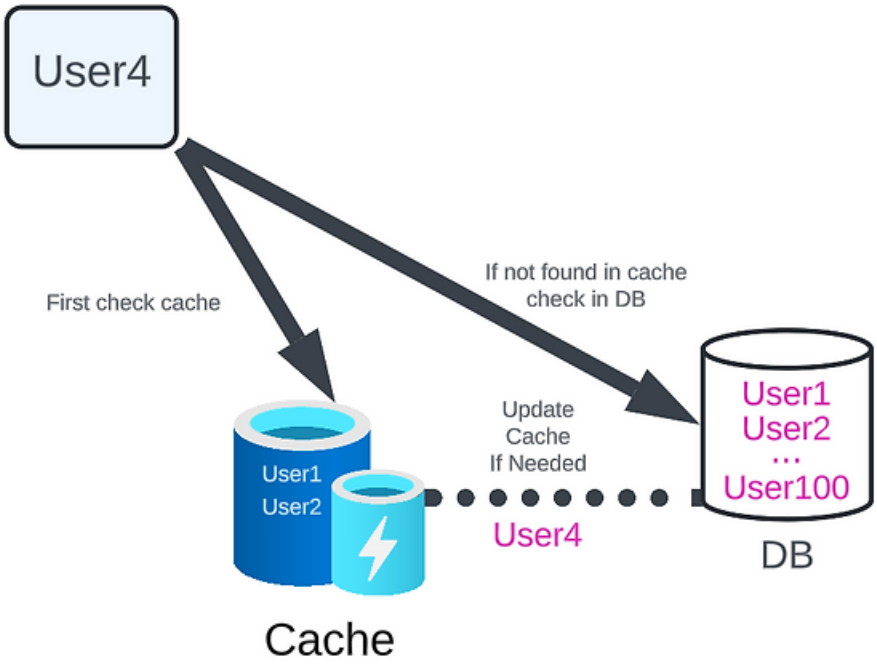
Cache

Cache Hit



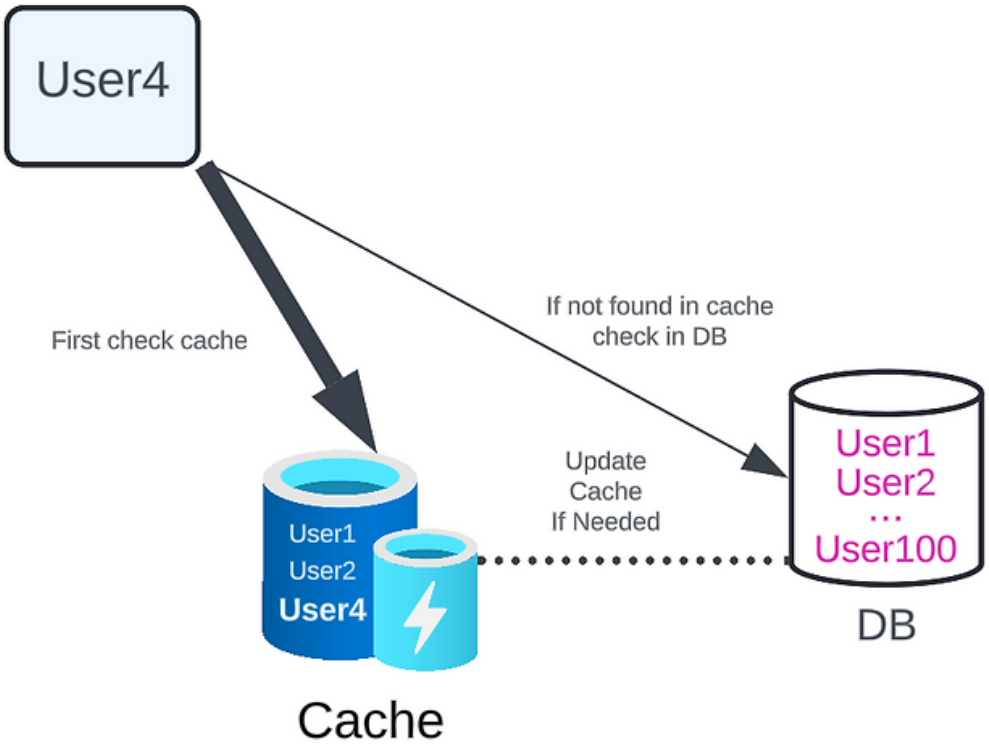
User1 already in Cache

Cache Miss



User4 NOT in Cache
Cache Updated with User4

Cache Hit



User4 is in Cache

CDN