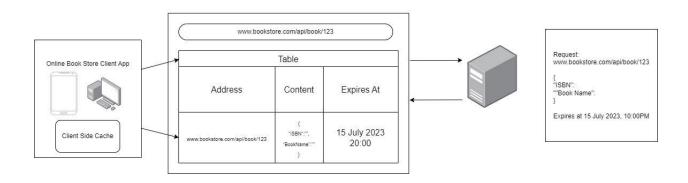
Cache System of the Whole **Application Architecture** Database Authentication Service CPU Cache Materialized View RAM Cache Transaction Log Disc Cache BufferPool View Book Service Database CPU Cache RAM Cache Disc cache Materialized View Transaction Log Load Balancer BufferPool Cache Purchase Service CPU Cache RAM Cache Disc cache **D**atabase A P I Materialized View Transaction Log BufferPool G A T E W A Y Recommendation Service CPU Cache RAM Cache Disc cache Cloud Service CDN Static Data Text Based Book Searching Indexed Data

Client Side Cache



Load Balancer Cache

