

Voting System

1. USE CASES:-

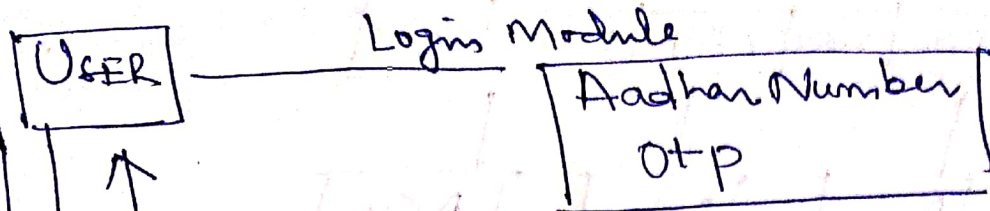
1. USER Login using Aadhar Number + OTP
2. Party List
3. User Anonymous Vote, unique, once, bar of 24 hours
4. 100% Availability

CONSTRAINTS:-

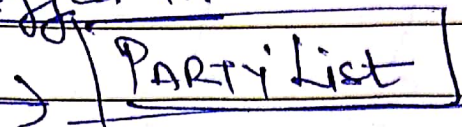
1. Population per state wise
100(K) population
28 States $\longrightarrow 28 \times 100(K)$
2. Votes reach at X number
Shut the window

High Level design:-

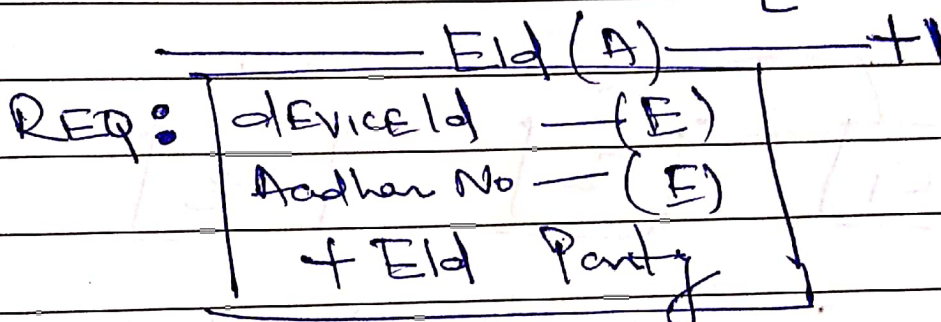
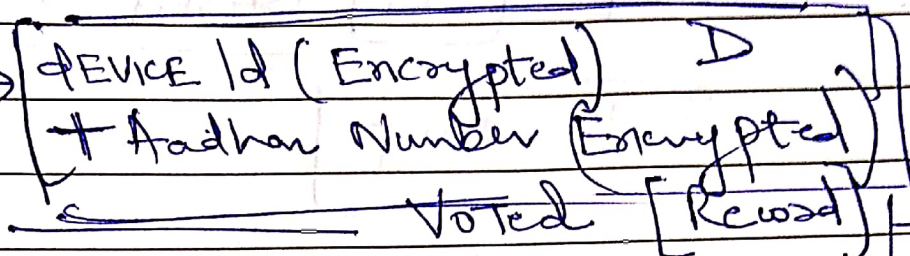
1. No database
2. Aerospike Cluster per state
3. User Login System
Aadhar Number + OTP [Assumptions]
Some API
4. Party List from Aerospike
5. Encrypted Id of Voting Party
6. Update against each party by +1
Aerospike + total votes so far



User Logged IN

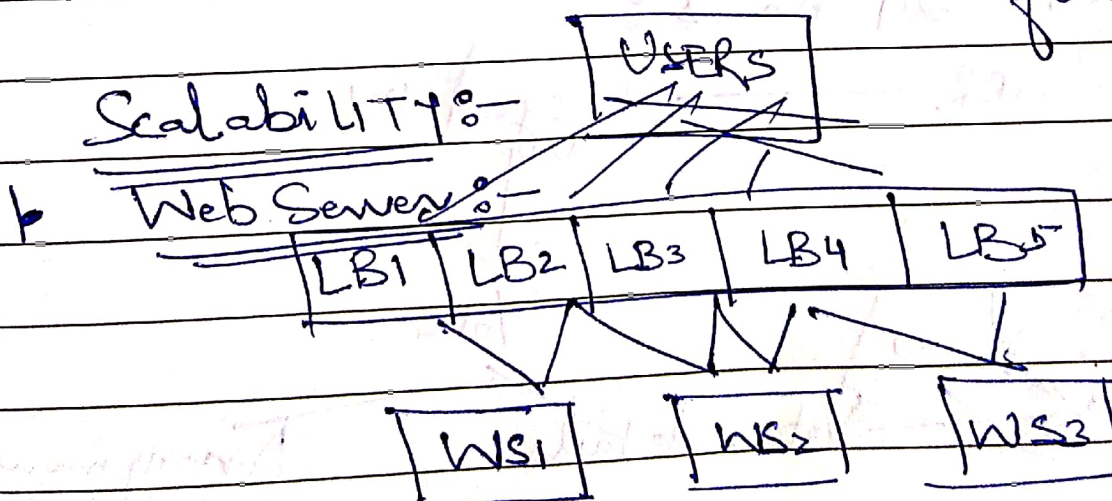


A — Id — Eld
B — Id — Eld
C — Id — Eld

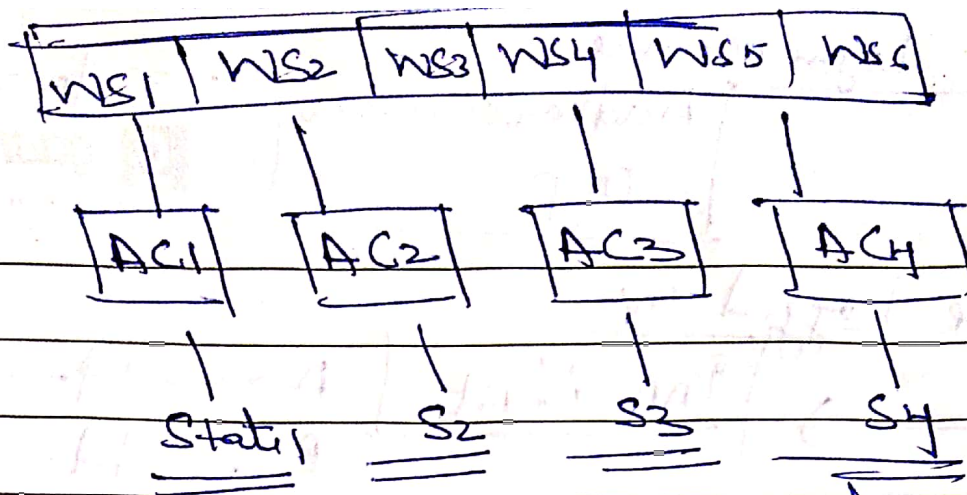


Total Count So far voted

Scalability:-

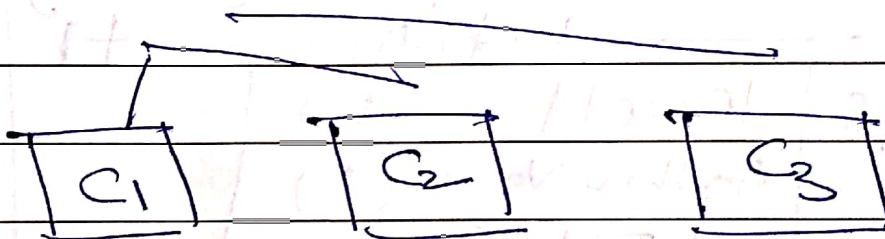


2.



KEY — SET BASED ON STATE

IF NOT



Geography Based Cluster

3. WINDOW 24 hours :-

User ——— Logged IN

