

## DATA MODEL

① Parking Lots

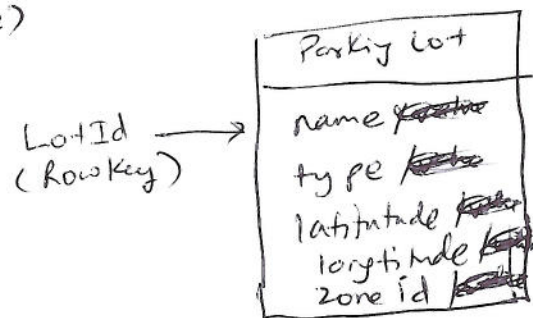
Parking lots : { // column Family  
lot1 : { // Row Key (lot id)  
name : East Block // column(s)  
type : RG (name : value)  
latitude : 100  
longitude : 120  
zone id : 13  
}

lot 2 : 2  
name : West Block  
type : ADA  
latitude : 90  
longitude : 220  
zoneid : 21

(Q) use-case

Given : Lot Id

Get : name, type, location  
zoneid



② Lots By Zone Id

Lots By Zone Id

Lots By Zone Id :  $\Sigma$  // Super Column Family

Zone id 1 :  $\Sigma$  // Row Key (zone id)

5 :  $\Sigma$  // Super Column None (locality)  
mile 3

lot 1 : - // columns  
(lotid : mile)

lot 2 : -

lot 3 : -

Valueless Column

3  
10 : 2  
lot 13 : -  
lot 14 : -

(a) use - case

Given : zone id  
locality es  
radius (5 miles)

Get : All lot Ids  
in that radius

