## Proximity Service

- . 20 km Radius [0.5, 1, 2, 5, 20]

  add Idelete I update

  Do not refresh if speed is slow.
- · return lot /long /radius

  add/delete / update not in realtime

  view detailed internation about a basiness
- low latercy
  privacy GDPR, CCPA
  high availability, scalability
- 100 mil of DU . Users 5 questes per day  $\text{aps} = \frac{100 \text{ mil } \text{ vS}}{105} = \frac{5 \text{ odo}}{105}$

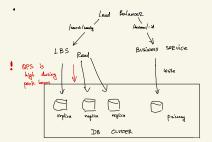
GET /v1 / busineses / id

POST /v1 / busineses

PUT /v1 | busineses / : id

Deceme /v1 | busineses / : id

· Data . Rood volume is high, Write volume is low.



- Fetch bearby berinasses:

  1. Two directional search (n) tindenes!

  2. Evenly divided gold report of the distribution regarding golds reported data distribution regarding golds

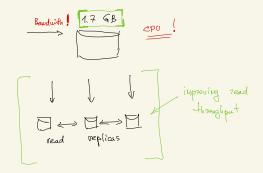
  3. Geologic organization of the presentation of t
- 5. Grayle 52 geometry library Angle maps, makes
  - . Update . Duplay incrementally.

• Deep Dive

Scale D8:

Shanding of Busines Table

gooluble business\_id



No head cache solution.
 Can provide a good I/O. Would work almost as
 fast as an in-nemony cache.

