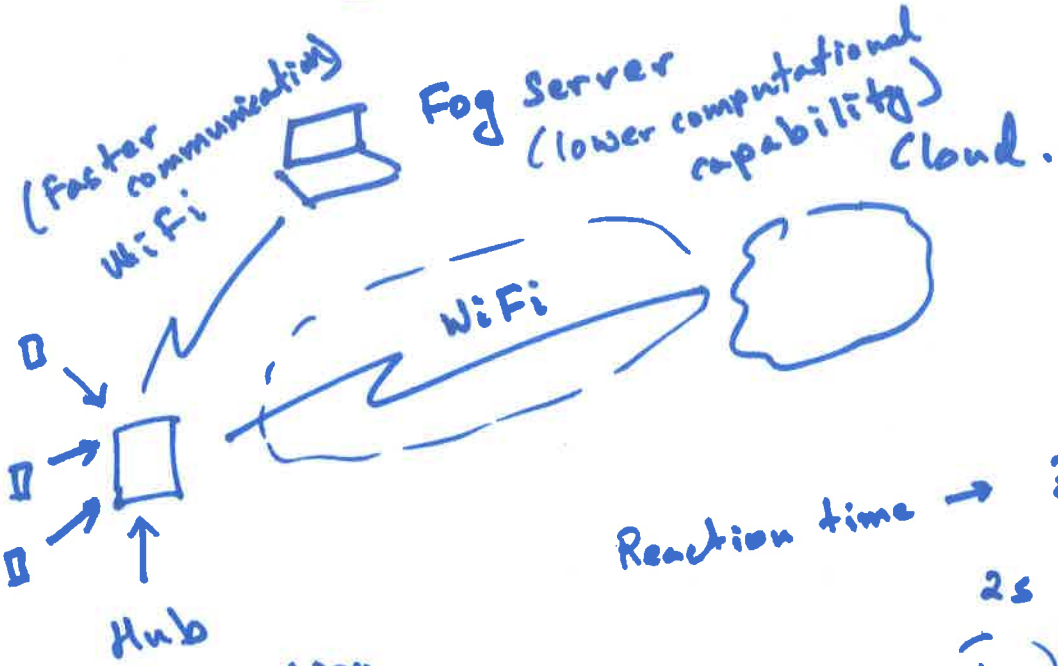
1

8/29/17

CSE 535

4



Base station
Edge computing.
Device.

Reaction time → 3 - 4s

2s → data

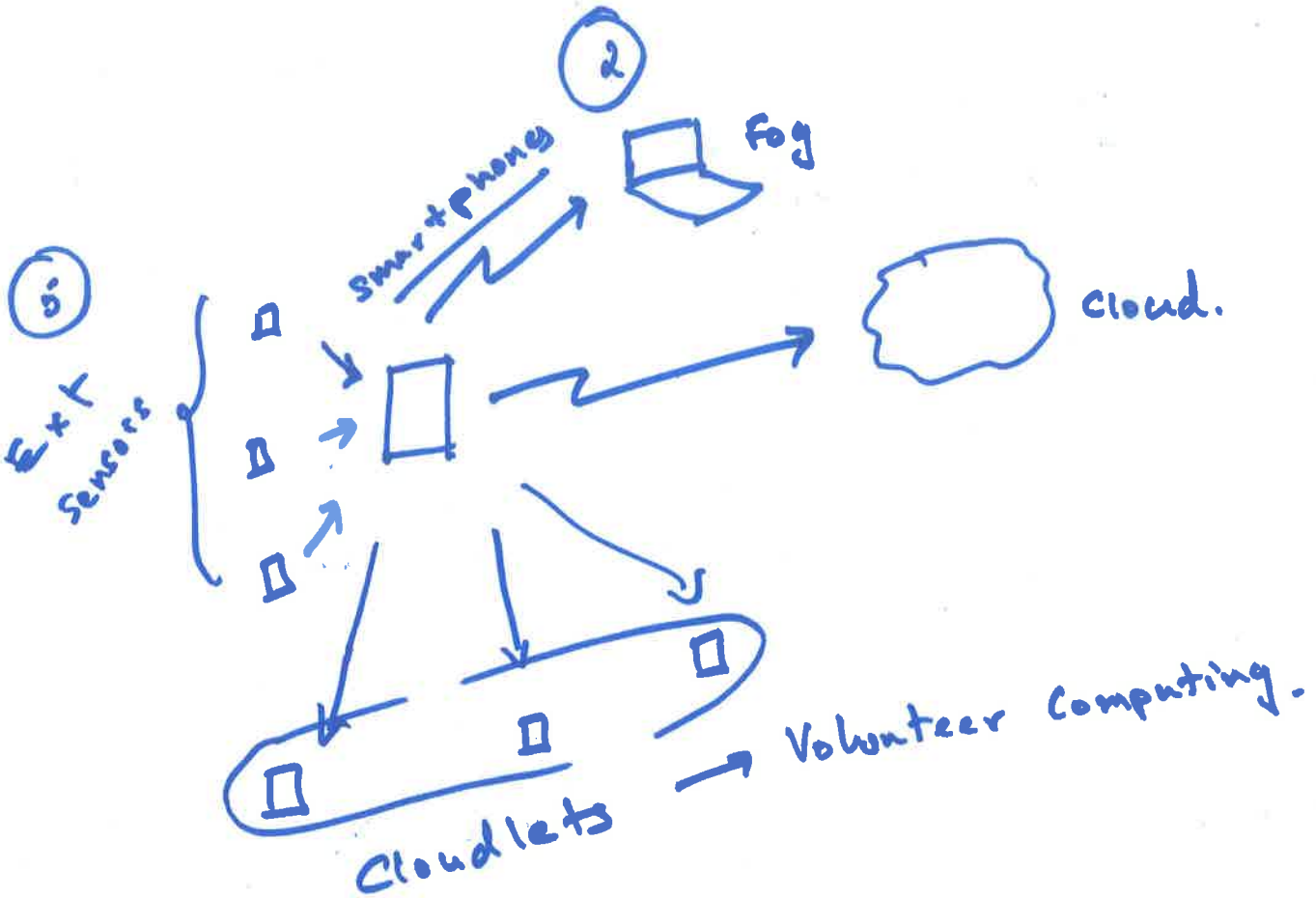
1s

Compute alertness

1.3 s → compute on 2s of brain data

Sending 2s of brain data → 993 ms → 480 ms ↓ Fog ↓ ≈ 300 ms ↳ 780 ms.

impossible to compute alertness. → 7 ms



Adaptation

System ~~Aware~~ Level Adaptation

Agnostic of user preferences

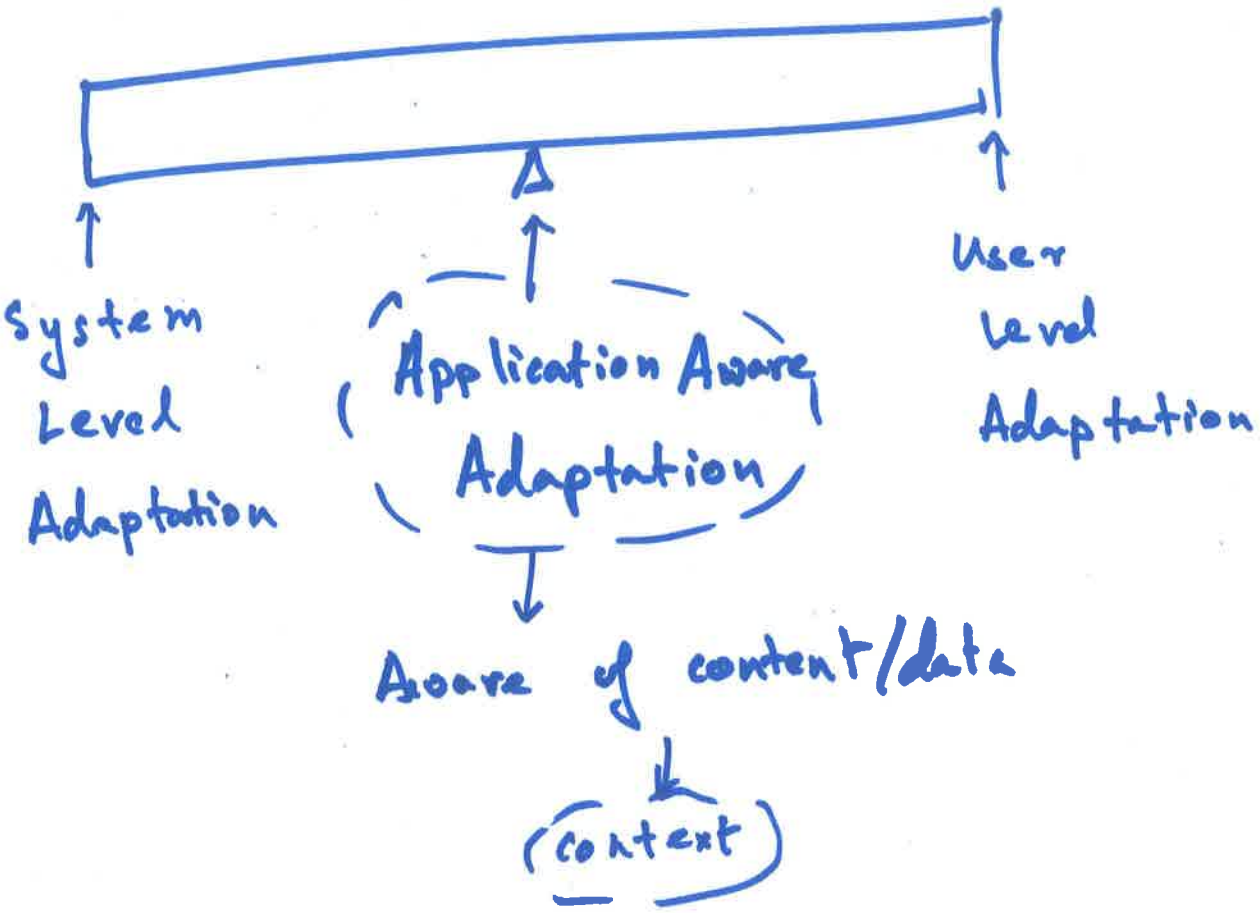
↳ Low user exp & bad data quality

User level ~~Application Aware~~ Adaptation.

System is totally open towards user preferences

↳ Distraction low user exp

3



Reactive v.s. Predictive,

Pro-active

Smart ← Pro-active Application Aware Adaptation