SYSTEM DESIGNS

* Suppose you have a system basically which provides the solution to the millions of people but you can’t give your desktop to millions of people, so what do you do ?? it’s nice question
* You can do either of the two things like

1. Buy a bigger machine (vertical scaling)
2. Buy large number of machines (horizontal scaling)

* Horizontal scaling

1. Load balancing required
2. Resilient (flexible)
3. Network calls
4. Data inconsistency
5. It scales well as users increases

* Vertical scaling

1. N/A
2. Single point of failure
3. Inter process communication
4. Consistent
5. Hardware limit

