**#System Design**

**Why we need system design?**

1. **Scalability**
2. **Efficiency** – System should be effiecient in the use of time, money, resources. i.e. optimal system.
3. **Maintainability** – System should be maintainable for the sake of clarity and modification if needed.
4. **Performance**
5. **Reliability**
6. **User-experience**
7. **Security**
8. **Cost-effectiveness**