

## ACID Properties

- atomic
  - all or nothing
  - either fully executed or not
  - if TX fails  $\implies$  no changes are made - UNDO
- consistent
  - end of transaction has all constraints satisfied
- isolation
  - multiple concurrent transaction seem to execute sequentially
- durability
  - succesful transactions survive permanently even if system fails
  - system failure  $\implies$  db recoverable - REDO

## [[BASE]] Alternative

- used in [[NoSQL]] systems instead of ACID