* ACID properties
* Atomicity
  + Transaction is treated as an atomic unit of work – either all the steps of a transaction are processed or none of them
* Consistency
  + A transaction takes a database from one consistent state to another consistent state
* Isolation
  + One transaction’s execution should not negatively affect another transaction
  + Ensured through locking
  + 3 ways it could affect
    - Dirty read
      * A transaction t1 is able to read a row that has been modified by another transaction T2 that hasn’t yet executed a COMMIT
    - Non-repeatable read
    - Phantom reads