Transactions
- concurrency control
- recovery

Logs or journals

Transactions
  start id
  write id item old new
  read id item
  commit id
  abort id
Transaction properties (ACID)

Atomicity: a transaction is one operation that either executes or doesn’t.

Consistency: a transaction takes a DB from one consistent state to another.

Isolation: a transaction should not be interfered with by other transactions.

Durability: committed changes will not be undone.