

ACID

Computing

The four guarantees a transactional database makes.

The properties a transaction is expected to have.

Property	Means
Atomicity	All of it happens, or none of it
Consistency	Constraints hold before and after
Isolation	Concurrent transactions do not see each other's partial work
Durability	Once committed, it survives a crash

Isolation is the expensive one, and the one databases offer in levels — read committed, repeatable read, serialisable.