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ACID

The ACID represents four main properties that a transaction should have, the terminology stands for Atomicity, Consistency, Isolation and Durability. Atomicity, as the very basic operation unit, requires each transaction to be 'all or nothing', or simply all-success or all-fail. Consistency ensures any transaction to bring the database from one valid state to another. Isolation ensures the transaction in process must remain isolated from any other transactions. Durability ensures integrity that committed data is kept in the drive even in the event of failure for restructure.

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