ALM-5 Name: Ch. Srokauth Reg. No: 23000 32366 DATABASE , MANAGEMENT AND SYSTEMS ACID Propostice: If is important to ensure that the database gramains consistent before and after the transaction. > To ensure the consistences of database certain properties are followed by all the transactions occuring in the system. -) The following one called ACID properties e) Atomecity. (ii) Consistency was some of its is is is a side of the interior ???) Isolation boules properties av) Durabality.

ATTOMICITY:

-) All changes to data are performed as of
they are single operation either the transaction
occurs completely.

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-) It is nexponerble of Transaction Control Manager.

- CONSISTENCY: -) Data in a consistent state when a transaction starts and when it ends.
- -> It is the siesponsable of DBMS and application programmes to ensure consistence of the

## LSOLATION:

- -) The intermediate state of a transaction is invisible to the transaction.
- -) The property ensures that mul from can occur simultaneously without coursing any inconsistency.
- -> As a result, transaction that our oncurrently appear to be periodized.

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## DURABILITY:

This property ensures that all the changes made by a transaction after its successfully execution are written successfully to the disk.

-> It is responsible of recovery manager to ensure disrability in the database.