Transaction [concepts - theory)

with of DB Dimportant in large Databess
Concurrent users high avallability fast response No Processing To Inter leaved-Parallel Begin Statement Read-only -> disk block > Couffer) Read - Write -> drisk block -> buffer so Ask Hock end Statement of Roll back . Items > Collection that how size (Scormlanty)
by Record - Block - Attribute value an Currency Controll Problems U Lost uPdate & TemPorory uPdate

(3) In correct Summary (9) unrePeated Read (2) System enson Failures (1) ComPuter failure a Concrered Enforcement (3) exception condition 6 catastrophes S Disk failure System log - Transaction Tracker - No failure except

- back UP ProPerties [ACID] Atomicity -> entirety or non Consistency a from state to anthor

Durability - Paranamency in database

I so lation - not interfered

Thereof of isolation

Therefore the solution of the so (a) con not over noite disty roads
(1) has no jost whate
(2) has no dirty reads
(3) has repeatable reads
snapshot

-> operations + Transaction as they con inter/correal Two operation conflict as accessing the same item x and one of them at least is write >> Read - write Is write - write Recoverability of No Committed rested back of cascading Strict -> Canit has item X La Serial - limit concurrency La Serializable - equivalent (final State)
- Conflict ethir etent Testing is difficult - Support Con Current without any Correctness - Don't text but enforce SGE Support

- no explicit begin - a coest Bread rarite

- must have end S commit

- must have end S rollback - Kolation level 3 dirty read

(non-repeatable read

Ohantoms

Snapshot sat start know

Are committed values