Transaction Processing Terminology
Transaction Processing

- Transaction
- Concurrency Control
- ACID Properties
  - Atomicity
  - Consistency
  - Isolation
  - Durability
- Serializability
- Scheduler
Transaction Processing

• Commit
• Rollback
• Log
Transaction Processing

- Lost update
- Uncommitted Data
- Inconsistent retrievals
Transaction Processing

- Locking
  - read locks
  - write locks
  - shared locks
  - exclusive locks
- Lock Granularity
Transaction Processing

- Deadlock
- Two Phase Locking
- Strict Two-phase locking
- Wait-for Graph
Transaction Processing

- Database Recovery
- Checkpoint