

OLTP

On-Line Transaction Processing

What is OLTP?

(aka Operational Data Store or Operational Systems)

- The **OLTP database** records transactions in real time and aims to **automate clerical data entry processes** of a business entity.
- **Addition, modification and deletion of data** in the OLTP database is essential and the semantics of the application used in the front end impact on the organization of the data in the database.

Application of OLTP

- **RDBMS softwares** are primarily useful for creating the OLTP designs.
- OLTP has also been used to refer to processing in which the system responds immediately to user requests. An **automatic teller machine (ATM)** for a bank is an example of a commercial transaction processing application.

Drawbacks of OLTP

- Concurrency gets created.
- Tables get locked by which report generation gets delayed.
- Not suitable for getting summary results especially when high volume of data is there.