### Introduction to DBMS



Transaction processing
On Line Transaction Processing (OLTP) Traditional DBMS usage
Characterized by
<ul> <li>snapshot of current data values</li> <li>detailed data, relational representation</li> </ul>
<ul> <li>structured, repetitive operations</li> <li>read/write access to few records</li> </ul>
<ul> <li>short transactions</li> <li>isolation reliability and integrity are critical (ACID)</li> </ul>
<ul> <li>Isolation, reliability, and integrity are critical (ACID)</li> <li>database size ≈ 100MB-GB</li> </ul>
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