## Chapter 1.3 Outline

1. **The first part: The Realization of Database System**
2. *Storage Management:*

* How to Organize data to access the data more efficient.
* B - Tree Structure.

1. *Query Process*

* Query Execution: Realize the Algorithm to Query.
* Query Compilation: Choose the most efficiency Algorithm.

1. *Transaction Process:*

* Logging: Records that maintain for DBMS, in order to recover after crash.
* Schedule: Control the Sequence of Events to ensure the feature of ACID.
* How to Deal with Deadlock.

1. **The second part: Modern Database System**