## Chapter 1.1 Development of Database System

What is Database? Database is the collection of information. Database means the data collection which is managed by the database management system.

1. Enable users to use DDL (Data Definition Language) to create new database and assign its module.
2. Enable user to use language to search data and modify data. Such language is called query language and data manipulation language.
3. Support large data storage and enable store data to search from database and modify the database.
4. Make data durability, which enables the data to recover from fault or abuse.
5. Enable isolation and atomicity. (Control multi – user to access the data simultaneously.)

### Chapter 1.1.1 Early Database System

***Principle:***

The first Business Database System evolves from the file system, provides partial support: File system can store data in a long time and enable the system to store a large amount of data. But file system can not ensure the loss of data, if no back – up. They do not support high – efficiency storage, if have no idea about their specific location in the file.

*(Early module do not support high level query language.)*

### Chapter 1.1.2 Relational Database System

In the year 1970,

### Chapter 1.1.3 Increasingly Smaller System

### Chapter 1.1.4 Increasingly Bigger System

### Chapter 1.1.5 Information Integration