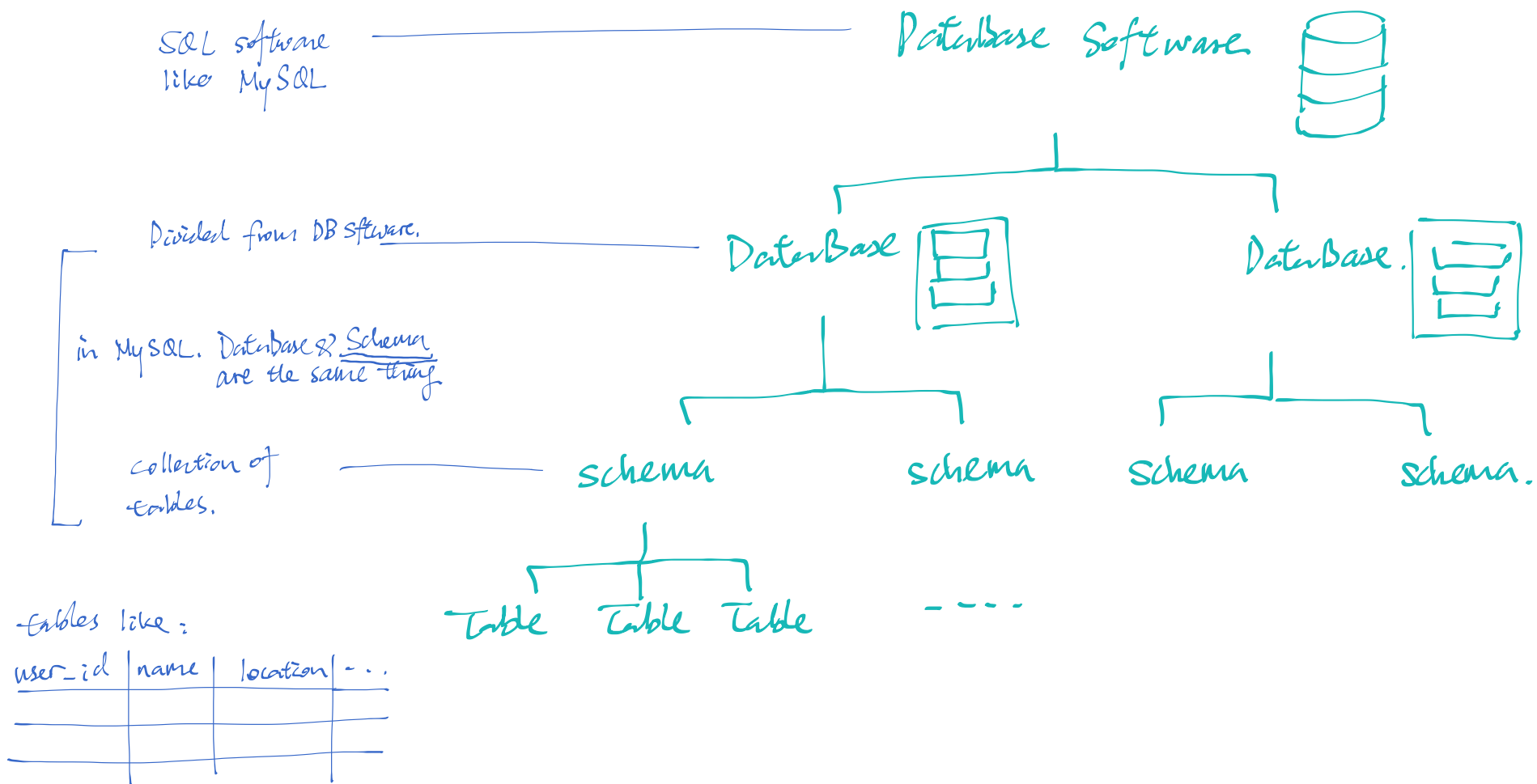


General Database Structure.



Agenda: I. Schema CREATE SCHEMA 'new_schema' DEFAULT CHARACTER SET utf8mb4 ; Just an example.

II. Table

1. Characters of a Table.

{ data type
default value
Comments
etc.

2. Tables has relationships with each other, using shared columns

Set primary key: PRIMARY KEY ('id')

3. See tables

1) see all tables in current database in MySQL.

use database_name ; show tables ;

2) in SQL Server

select * from xschema.tables ;

III. Column

1. Diff data types.

{ Number eg. INT, FLOAT, DECIMAL eg. DECIMAL (5,2) such that 233.33 is recommended for high accuracy calc
Text eg. CHAR, TEXT, LONGTEXT
Date time eg. DATE, MONTH, YEAR, DATETIME (more precise includes hr. min) 8888-01-01 00:00:00
Special Data Types. eg. BINARY, BOOLEAN (T, F), JSON (used for data exchanges)

2. Column attribute functions commonly used.

1) NOT NULL . forcing the col to not accept Null values

2) AUTO_INCREMENT . auto generate a serial number

3) ALTER TABLE . used to change col setting.
ADD COLUMN

4) update SQL. is more like rewrite it.