Git Back-End Report #4: Creating the Database

I created the database with the create database command and created a user for myself with all permissions on the database. I then added all the tables using DDL and the CREATE TABLE() command. It took me a lot of attempts to get it correct but here is a copy of all the tables:

mysql> show databases;

+--------------------+

| Database |

+--------------------+

| information\_schema |

| Stock\_Control\_DB |

+--------------------+

2 rows in set (0.00 sec)

mysql> use Stock\_Control\_DB;

Reading table information for completion of table and column names

You can turn off this feature to get a quicker startup with -A

Database changed

mysql> show tables

-> ;

+----------------------------+

| Tables\_in\_Stock\_Control\_DB |

+----------------------------+

| Invoice |

| Items |

| StockCount |

| Users |

| Variance |

| Wastage |

+----------------------------+

6 rows in set (0.00 sec)

mysql> describe Invoice;

+-----------+-----------------+------+-----+---------+----------------+

| Field | Type | Null | Key | Default | Extra |

+-----------+-----------------+------+-----+---------+----------------+

| InvoiceID | int(6) unsigned | NO | PRI | NULL | auto\_increment |

| ItemID | int(6) unsigned | NO | PRI | NULL | |

| amount | int(6) | NO | | NULL | |

| unit | tinyint(1) | NO | | NULL | |

| date | datetime | NO | | NULL | |

+-----------+-----------------+------+-----+---------+----------------+

5 rows in set (0.00 sec)

mysql> describe Items

-> ;

+-------------+-----------------+------+-----+---------+----------------+

| Field | Type | Null | Key | Default | Extra |

+-------------+-----------------+------+-----+---------+----------------+

| ItemID | int(6) unsigned | NO | PRI | NULL | auto\_increment |

| name | varchar(30) | NO | UNI | NULL | |

| description | varchar(40) | YES | | NULL | |

| smallunit | varchar(20) | NO | | NULL | |

| bigunit | varchar(20) | NO | | NULL | |

| price | decimal(13,2) | YES | | NULL | |

+-------------+-----------------+------+-----+---------+----------------+

6 rows in set (0.01 sec)

mysql> describe StockCount;

+---------+-----------------+------+-----+---------+----------------+

| Field | Type | Null | Key | Default | Extra |

+---------+-----------------+------+-----+---------+----------------+

| StockID | int(6) unsigned | NO | PRI | NULL | auto\_increment |

| ItemID | int(6) unsigned | NO | PRI | NULL | |

| amount | int(6) | NO | | NULL | |

| unit | tinyint(1) | NO | | NULL | |

| date | datetime | NO | | NULL | |

+---------+-----------------+------+-----+---------+----------------+

5 rows in set (0.00 sec)

mysql> describe Variance;

+----------+-----------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+----------+-----------------+------+-----+---------+-------+

| ItemID | int(6) unsigned | NO | PRI | NULL | |

| weekdate | datetime | NO | PRI | NULL | |

| variance | int(6) | NO | | NULL | |

+----------+-----------------+------+-----+---------+-------+

3 rows in set (0.00 sec)

mysql> describe Wastage;

+-----------+-----------------+------+-----+---------+----------------+

| Field | Type | Null | Key | Default | Extra |

+-----------+-----------------+------+-----+---------+----------------+

| WastageID | int(6) unsigned | NO | PRI | NULL | auto\_increment |

| ItemID | int(6) unsigned | NO | PRI | NULL | |

| amount | int(6) | NO | | NULL | |

| unit | tinyint(1) | NO | | NULL | |

| date | datetime | NO | | NULL | |

+-----------+-----------------+------+-----+---------+----------------+

5 rows in set (0.00 sec)

mysql> describe Users;

+----------+-------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+----------+-------------+------+-----+---------+-------+

| login | varchar(30) | NO | PRI | NULL | |

| password | varchar(20) | NO | PRI | NULL | |

+----------+-------------+------+-----+---------+-------+

2 rows in set (0.00 sec)

mysql>

Here is a copy of it in a text file so the tables are not all confused by word:



The next stage will be randomising data