

A Database Connection Program for Feasibility Study

--User Guide

Hui Guo

This is a guide of the installation of the program.

1. MySQL installation

Download and install MySQL

<http://dev.mysql.com/downloads/installer/>

You may need to set up a password in the middle of the process.

* For Ubuntu users you can also run:

`sudo apt-get install mysql-server`

in terminal.

If you want to use NetBeans for JAVA programming, download it from here:

<http://netbeans.org/downloads/>

You may need a connector to work with MySQL:

<http://dev.mysql.com/downloads/connector/j/5.0.html>

2. Database setup

Open a MySQL command line client, enter password then run:

`mysql> create database MTMS;`

`mysql> use MTMS`

`mysql> source C:/MTMS.sql`

This puts three tables in the database: Type, People, Reports.

*For the last one, enter the address where MTMS.sql is located.

*For Linux user, type

`mysql -u root -p`

in the terminal to enter sql.

*If you're already under the same folder as the sql file, use

`mysql> source MTMS.sql`

for the last command.

Or in the terminal, run

`mysql -u root -p MTMS<MTMS.sql`

if you already have a database named MTMS in MySQL.

3. JDK installation

You need JDK to run the program:

<http://www.oracle.com/technetwork/java/javase/downloads/jdk7-downloads-1880260.html>

Or on Ubuntu:

`sudo add-apt-repository ppa:webupd8team/java`

`sudo apt-get update`

`sudo apt-get install oracle-java7-installer`

4. Run the program

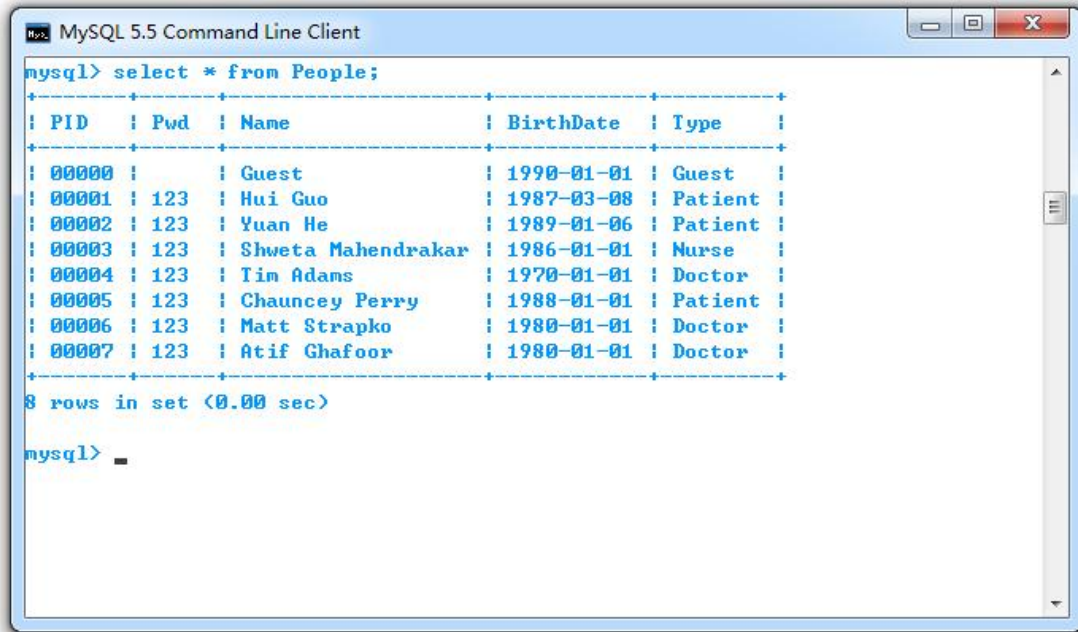
Run MTMS/dist/MTMS.jar(by clicking it in Windows).

On linux, in terminal, type:

```
java -jar /MTMS/dist/MTMS.jar
```

Please make sure MySQL is running.

Table People from MySQL:



MySQL 5.5 Command Line Client

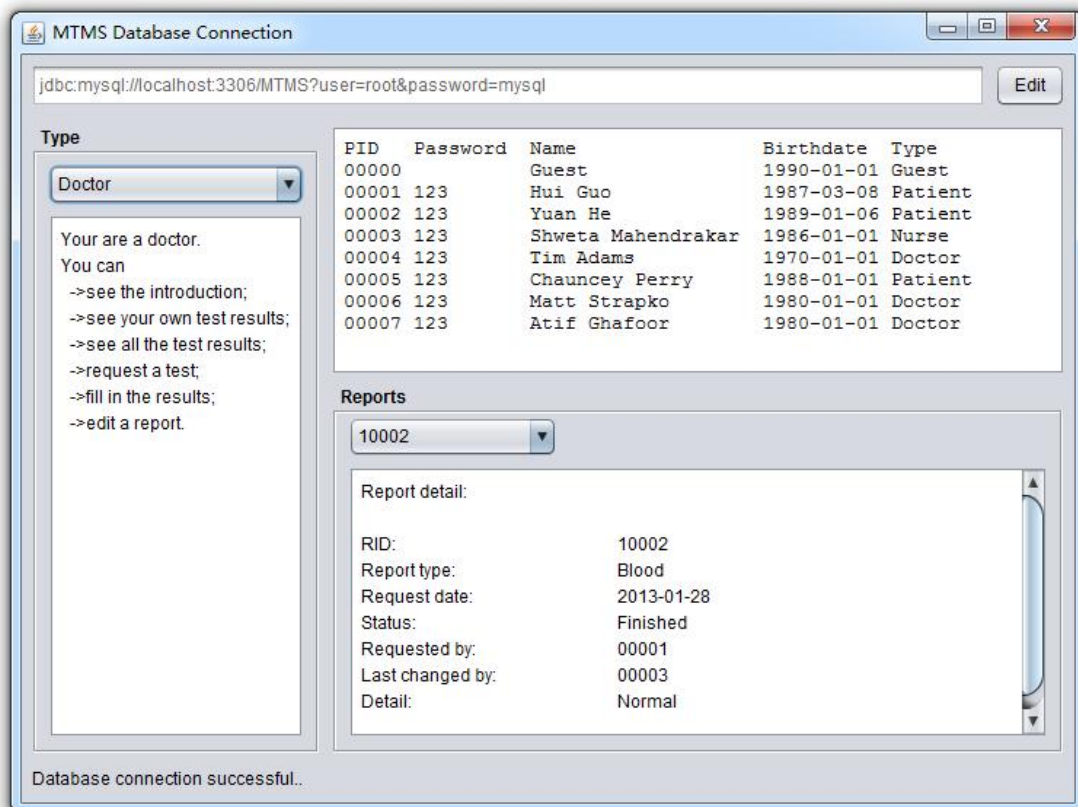
```
mysql> select * from People;
```

PID	Pwd	Name	BirthDate	Type
00000		Guest	1990-01-01	Guest
00001	123	Hui Guo	1987-03-08	Patient
00002	123	Yuan He	1989-01-06	Patient
00003	123	Shweta Mahendrakar	1986-01-01	Nurse
00004	123	Tim Adams	1970-01-01	Doctor
00005	123	Chauncey Perry	1988-01-01	Patient
00006	123	Matt Strapko	1980-01-01	Doctor
00007	123	Atif Ghafoor	1980-01-01	Doctor

8 rows in set (0.00 sec)

```
mysql>
```

The running of the program:



MTMS Database Connection

jdbc:mysql://localhost:3306/MTMS?user=root&password=mysql

Type: Doctor

Your are a doctor.
You can
->see the introduction;
->see your own test results;
->see all the test results;
->request a test;
->fill in the results;
->edit a report.

PID	Password	Name	Birthdate	Type
00000		Guest	1990-01-01	Guest
00001	123	Hui Guo	1987-03-08	Patient
00002	123	Yuan He	1989-01-06	Patient
00003	123	Shweta Mahendrakar	1986-01-01	Nurse
00004	123	Tim Adams	1970-01-01	Doctor
00005	123	Chauncey Perry	1988-01-01	Patient
00006	123	Matt Strapko	1980-01-01	Doctor
00007	123	Atif Ghafoor	1980-01-01	Doctor

Reports

10002

Report detail:

RID: 10002
Report type: Blood
Request date: 2013-01-28
Status: Finished
Requested by: 00001
Last changed by: 00003
Detail: Normal

Database connection successful..