Online Test System

20160515 Release

Knowledge Map

* Duplicate – Fixed

Unicode Problem

This issue relate to how MySQL database is set up on the Linux box. As shown in figure 1 the character\_set\_sever on the production MySQL server is set to “latin1” as compared to figure 2 which is set “utf8”. The correct value to allow unicode to be saved in the database is “utf8”.

SQL Script : SHOW VARIABLES LIKE 'char%';

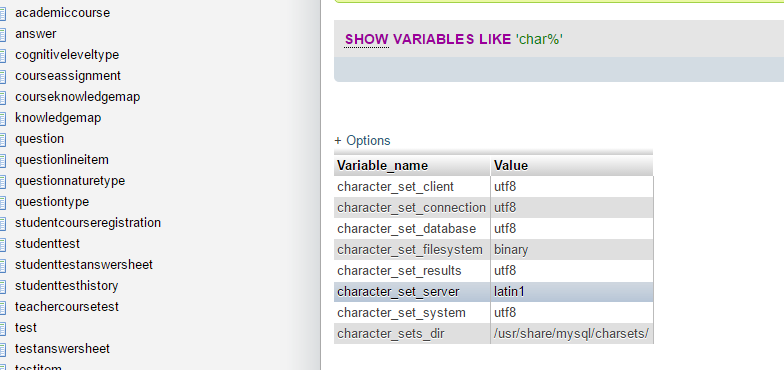


Figure 1: Character Set on Server ( Production Server)

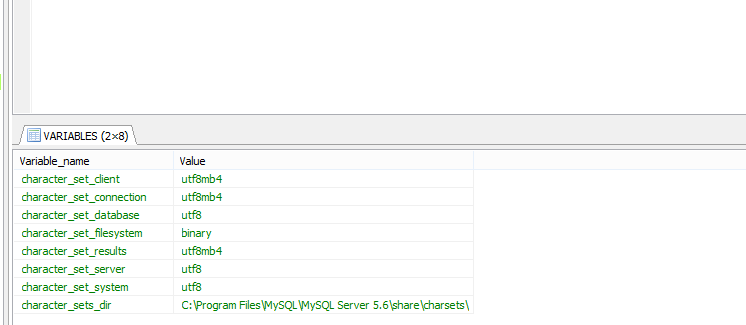


Figure 2: Character Set on Server ( Production Server)

**Fix Option 1**

l have added the following properties to the hibernate properties to force unicode characters to be saved. If this option doesn’t work then we can try option 2

<property name="hibernate.connection.CharSet">utf8</property>

<property name="hibernate.connection.characterEncoding">utf8</property>

<property name="hibernate.connection.useUnicode">true</property>

**Fix Option 2**

This option requires changes to the MySQL datatabase configuration file located at

<http://ashleyangell.com/2014/04/mysqls-utf8-isnt-really-utf8-and-how-to-properly-support-unicode/>

In the /etc/my.cnf

[client]

default-character-set = utf8mb4

[mysql]

default-character-set = utf8mb4

[mysqld]

collation-server = utf8mb4\_unicode\_ci

init-connect='SET NAMES utf8mb4'

character-set-server = utf8mb4

Import Knowledge Map

Other teachers have created public knowledge maps. Once you log in as yourself the function can be tested.

Student Account

* Duplicate Email Address – Fixed

**Question**

**“If a student taking two courses in the Online Test System, will he/she has two account? Or he/she will use the same account?”**

**Student can only have one account and can register for one or more courses. Once a student log in he or she will have a list of courses assigned to teachers. He or she can register for these courses and it will be shown on student registered courses.**

Password

Password Reset- Fixed

**Question**

**“I also have no idea how the random passwords are generated. Can teachers find the random**

**password in the system? Or the students will receive the generated password in their mailbox?”**

Ideally users(Teacher,Student,Adminstrator) should be sent email with the random generated password when account is created for them. They can then use this random password and their eamil as username to log in to reset their password.

Before this functionality can be implement we will need valid “SMTP Server “ with the firewall opend to be able to send email out. Once l get SMTP Server to use l can implement this function.

Student Account –Batch

I took this student batch account as create a number of students account and submit is once. I have disable this function. Please , discribe how this function works and l will update the corrent implementation.

Tests

* Start Time and End Time – Fixed
* Question Bank – Select All/Deselect All - Fixed
* Test Sheet – Select All/Deselect All - Fixed

User Account

I have created student ,teacher , administrator account / password for Dr Rita Kuo as shown below

Student : [rks@ac.ca](mailto:rks@ac.ca) / rks

Teacher : [rkt@ac.ca](mailto:rkt@ac.ca) / rkt

Administrator : [rka@ac.ca](mailto:rka@ac.ca) /rka