## SEE TEXT FILE FOR SQL SCRIPT AS MS OFFICE IS MESSING WITH THE QUOTES

FILE NAME:

//TODO CREATE PROCEDURE TO CREATE THE TABLES AND DATABASE

PRE – REQ STEPS

1. INSERT DATA INTO THE FOLLOWING TABLES
   1. Subjectcourses
   2. Ceiteachers
   3. Batchschedule
2. F

PROCESS OF INSERTING DATA FROM THE FRONT END TO THE BACK END

We will use the following MYSQL Procedures that the Front End Designer will call to acquire and modify the desired tables. An over view of the procedures are as follows:

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| --- | --- | --- |
| Procedure | Data Type | Tables called |
| insertNewCourse( courseCode(6), courseName(100), courseSum (text) ) | Inserts new Records into the database | subjectcourses |
| insertNewTeacher(in teacherName,  gender enum(‘Male’,’Female’,’Unknown’),  email varchar(100)) | Inserts new records of teachers into the database. Caters for teachers with the same names but the email addresses are unique for each record | ceiteachers |
| insertNewBatch(subjectId,  coursestatus(enum),  teacher(100),  schoolYear(5),  start\_date,  end\_date,  availableSeats,  max\_Seats) | Inserts the new course batches that will be displayed eventually to the users on the current status of a course | coursebatches,  ceiteachers,  subjectcourses |
| insertNewRegisteredStudent(sName(100),sEmail(100) | Record used to store all interested students who were successful or failed to get a seat. Email Address is unique | registeredstudents |
| updateAvailableSeats(in courseBatchId smallint) | Increments the availableseats col until it is less or equal to the max seats | coursebatches |
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INSERTING NEW DATA INTO TABLE: subjectcourses

SYNTAX:   
insert into subjectcourses (courseID,courseName,courseSummary) values (….,….,…);  
  
EXAMPLE:

**insert into subjectcourses(courseID,courseName,courseSummary)  
 values   
('Math11','Mathematics','Mathematics is an amazing subject to be taught and trained in'),  
('ENG117','English','Your mothers tongue bro'),('HFLE11','Health and Family Life',''),  
('SC','Speech Communication','');**  
  
PROCEDURE FOR TABLE : subjectcouses

**DELIMITER $$  
  
create procedure insertNewCourse( in courseCode varchar (6), in courseName varchar(100), in courseSum text)**

**Begin**

**Insert into subjectcourses (courseID,courseName,courseSummary)**

**Values**

**(courseCode,courseName,courseSum);**

**End $$**

**DELIMITER ;**

INSERTING DATA INTO TABLE: ceiteachers

SYNTAX:   
insert into ceiteachers (Lecturer,teacherGender,tEmail) values (….,….,…);  
  
EXAMPLE:

**insert into ceiteachers(Lecturer,teacherGender,tEmail)  
 values   
('Macaully Tavernier’,’Male’,’macaully.tavernier@aol.com’);**

PROCEDURE FOR TABLE ceiteachers

DELIMITER $$

create procedure insertNewTeacher(in teacher varchar(100), in gender enum(‘Male’,’Female’,’Unknown’),in email varchar(100))

Begin

Insert into ceiteachers(Lecturer,teacherGender,tEmail)

Values

(teacher,gender,email);

End $$

Delimiter ;

INSERT NEW DATA INTO TABLE coursebatches

SYNTAX:   
insert into coursebatches (coursesFK,courseStatus,lecturerFK,schoolYr,startDate,endDate,availableSeats,maxSeats) values (….,….,…);  
  
EXAMPLE:

**insert into coursebatches(**coursesFK,courseStatus,lecturerFK,schoolYr,startDate,endDate,availableSeats,maxSeats**)  
 values   
(11,’Pending’,’John Doe’,2017,’2018/07/3’,’2019/07/03’,0,30);**

Delimiter $$

Create procedure insertNewBatch(in subjectId smallInt, coursestatus enum(‘Pending’,’On-Going’,’Closed’,’Cancelled’), in teacher varchar(100) , in schoolYear smallint(5), in start\_date date, in end\_date date, in availableSeats tinyint, in max\_Seats tinyint)

Begin

Insert into coursebatches(coursesFK,courseStatus,lecturerFK,schoolYr,startDate,endDate,availableSeats,maxSeats)  
values  
(subjectId,coursestatus,teacher,schoolYear,start\_date,end\_date,availableSeats,max\_Seats);

End $$

Delimiter ;

INSERT DATA INTO THE TABLE: registerstudents

SYNTAX:

Insert into registeredstudents(studentName,studentEmail) values (…,…,..,,)

EXAMPLE:

Insert into registeredstudents (studentName,studentEmail) values (‘John John’,’johntwo@gmail.com’);

PROCEDURE FOR INSERTING NEW RECORDS INTO TABLE registeredstudents

DELIMITER $$

Create procedure insertNewRegisteredStudent(in sName varchar(100),sEmail varchar(100))

Begin

Insert into registeredstudents(studentName,studentEmail)

values

(sName,sEmail);

End $$

Delimiter ;

UPDATING THE COLOUMN (AVAILABLESEATS) IN THE TABLE: coursebatches

EXAMPLE:

select availableSeats,maxSeats from coursebatches where id = 2;

update coursebatches set availableSeats = availableSeats+1 where id =2 and availableSeats <maxSeats;

PROCEDURE

Delimiter $$

Create Procedure updateAvailableSeats(in courseBatchId smallint)

Begin

Select availableSeats,maxSeats from coursebatches where id = courseBatchId;

Update coursebatches set availableSeats = availableSeats + 1 where id = courseBatchId and

availableSeats < maxSeats;

End $$

Delimiter ;