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*Tutor Application*

// get tutor information for display

SELECT Student.GTID, Email, Name, Phone, GPA, COUNT(Student.GTID) graduateCount

FROM Student, Tutor, Graduate

WHERE Student.GTID = '000000004' AND Tutor.GTID = Student.GTID AND Graduate.GTID = Student.GTID;

// insert into tutor\_time\_slot tables

INSERT INTO tutor\_time\_slot

VALUES ();

// insert into tutors tables

INSERT INTO Tutors

VALUES ();

*Summary Report 1*

SELECT DISTINCT H.School, H.Number, H.Semester, COUNT(GTID\_Undergraduate) AS Num\_Students, COUNT(GTID\_Tutor) AS Num\_Tutors

FROM Hires H

WHERE H.Semester = 'fall'

GROUP BY H.School, H.Number;

(SELECT DISTINCT H1.School, H1.Number, H1.Semester, COUNT(GTID\_Undergraduate) AS Num\_Students, COUNT(GTID\_Tutor) AS Num\_Tutors

FROM Hires H1

WHERE H1.Semester = 'FALL'

GROUP BY H1.School, H1.Number)

UNION

(SELECT DISTINCT H2.School, H2.Number, H2.Semester, COUNT(GTID\_Undergraduate) AS Num\_Students, COUNT(GTID\_Tutor) AS Num\_Tutors

FROM Hires H2

WHERE H2.Semester = 'SUMMER'

GROUP BY H2.School, H2.Number)

UNION

(SELECT DISTINCT H3.School, H3.Number, H3.Semester, COUNT(GTID\_Undergraduate) AS Num\_Students, COUNT(GTID\_Tutor) AS Num\_Tutors

FROM Hires H3

WHERE H3.Semester = 'SUMMER'

GROUP BY H3.School, H3.Number)

//insert into hires table (for test)

INSERT INTO `hires`(`GTID\_Undergraduate`, `GTID\_Tutor`, `School`, `Number`, `Time`, `Semester`, `Weekday`) VALUES ('000000007','000000008','ECE','2000','10am','Spring','Monday')

[7/22/2014 10:22:13 PM] Li Zheng: Search Tutor

//Step 1: retrieve available tutors for the specified course and time slot (for current semester, maybe add current to SESSION)

SELECT Student.GTID, Student.Name, Student.Email

FROM Student, Tutors, Tutor\_Time\_Slot

WHERE Student.GTID = Tutors.GTID\_Tutor

AND Tutor\_Time\_Slot.GTID = Tutors.GTID\_Tutor

AND Tutors.School = 'ECE'

AND Tutors.Number = '1000'

AND Tutor\_Time\_Slot.Time = '10am'

AND Tutor\_Time\_Slot.Weekday = 'Monday'

AND Tutor\_Time\_Slot.Semester = 'fall';

//step 2: retrieve recommendations for each tutor

SELECT R.GTID\_Tutor, AVG(R.Num\_Evaluation) AS Avg\_Prof\_Rating, COUNT(R.Num\_Evaluation) AS Num\_Professors

FROM Recommends R

WHERE R.GTID\_Tutor = '000000004';

//step 3: retrieve student rates for each tutor

SELECT R.GTID\_Tutor, AVG(R.Num\_Evaluation) AS Avg\_Student\_Rating, COUNT(R.Num\_Evaluation) AS Num\_Students

FROM Rates R

WHERE R.GTID\_Tutor = '000000004';