Pinelands Music School Relational Model

**Teachers:** (teacherID, firstName, lastName, sex, DOB, qualifications, emailAddress, mobileNumber, otherNumber, instrumentType, language, skillLevel, comments)

**Students:** (studentID, firstName, lastName, sex, DOB, street, suburb, state, postcode, mobileNumber, otherNumber, emailAddress, preferredDay, preferredTime, preferredTeacher, preferredLanguage, preferredGender)

**StudentGuardian:** (guardianID, studentID, guardianFirstName, guardianLastName, guardianPhoneNumber, guardianEmail)

**TeachingContract:** (contractID, teacherID, studentID, startDate, endDate, lessonType, lessonDuration, lessonCost, lessonFrequency)

**Instruments:** (instrumentID, instrumentType, hireCost, condition, hireCostLesson)

**InstrumentHire:** (hireID, studentID, instrumentID, startDate, endDate)

**Classes:**  (classID, teacherID, date, startTime, endTime, roomNumber

**StudentClass:** (classID, studentID)

**TeacherLogin:** (teacherID, teacherUsername, teacherPassword)

**StudentLogin:** (studentID, studentUsername, studentPassword)

**Foreign Key:**

* StudentID is a foreign key in table StudentGuardian
* StudentID and instrumentID are foreign keys in table InstrumentHire
* teacherID is a foreign key in table Classes
* classID and studentID are foreign keys in StudentClass and allow a single student to take multiple classes at once without breaking the database.
* teacherID is a foreign key in table TeacherLogin
* studentID is a foreign key in table StudentLogin

**Assumptions:**

* lessonDuration can only have values of 30 or 60.
* lessonFrequency can only have values of 1, 2, or 3.
* Condition can only have values of new, excellent, good, repair, or discard.
* Only one teacher per class.
* studentID and teacherID are used as primary keys throughout the database instead of usernames because teacher and student usernames are not created until later, when teacher and student records already need to exist
* roomNumber will have the same requirements in the database as QUT rooms, so a letter followed by 3 numbers (e.g. S303)