Pinelands Music School Relational Model

**Teachers:** (teacherID, firstName, lastName, gender, DOB, street, suburb, state, postcode, qualifications, emailAddress, mobileNumber, otherNumber, instrumentType, spokenLanguage, skillLevel, comments)

**Students:** (studentID, firstName, lastName, gender, DOB, street, suburb, state, postcode, emailAddress, preferredNumber, preferredDay, preferredTime, preferredTeacher, preferredLanguage, preferredGender, guardianFirstName, guardianLastName, guardianPhoneNumber, guardianEmail)

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

**Instruments:** (instrumentID, instrumentType, hireCost, hireCostLesson, instrumentSize, brand, conditionQuality, quantity)

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

**Classes:**  (classID, teacherID, className, classCode, startDate, endDate, classDay, startTime, endTime, roomNumber, classCapacity)

**StudentClass:** (classID, studentID)

**ClassAnnouncements:** (announcementID, classID, title, content)

**PublicAnnouncements:** (announcementID, title, content)

**AvailableJobs:**  (jobID, role, description, postDate)

**JobSeekers:** (seekerID, jobID, firstName, lastName, emailAddress, phoneNumber, street, suburb, state, postcode, cvPath, accepted)

**TeacherLogin:** (teacherID, username, password)

**StudentLogin:** (studentID, username, password)

**ManagerLogin:**  (managerID, username, password)

**Foreign Key:**

* StudentID and TeacherID are foreign keys in table TeachingContract
* 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.
* classID is a foreign key in table ClassAnnouncements
* JobID is a foreign key in table JobSeekers
* 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.
* 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)