

Music School

Requirements:

Students - StudentID(PK), FirstName, LastName, Email, Instrument, SkillLevel

Teachers - TeacherID(PK), FirstName, LastName, Email, TeachingInstrument

Courses - CourseID(PK), CourseName, Instrument, SkillLevel, TeacherID(FK)

Enrollments - EnrollmentID(PK), StudentID(FK), CourseID(FK), EnrollmentDate

First since it is still a school I started with the basics that all schools would need which was students, teachers, and courses. Then I was thinking that I am going to need one to connect them so I added enrollments. Moving on I started to think of what music schools would consist of. I began by focusing on what students would need and the most important thing is how they create music which is through an instrument. The next thing to assess the student on is how well do they play their instrument which will determine their skill level. The other things are what are generally needed by students which are their unique ID, name and some sort of contact information. Now for the teachers they need the same general information as the students plus what type of instrument they teach at the school. For the courses it needed a unique ID, a name for the course and what the course consists of. For courses in a music school it matters what instrument is that course teaching, what is the difficulty of that class, and who is teaching it. All that is left is enrollments which connect them and it needs its own unique value. Then it got the students, and it got the courses since those matter for which student is enrolling in what class. It wasn't necessary but I also added EnrollmentDate while it is not as important it is still used sometimes.