

Databases CS4332 Project 5

Evan Varan, lze4

Proposal

For this project, I will be creating a database based on my real-world company. My company, From the Heart Tutoring, offers tutoring services in a variety of subjects to many different age groups. The databases will help to organize multiple things such as: tutor information, student information, subject information, scheduling, and invoicing. For sake of keeping privacy for parents and students, fake names and info will be used in place of real descriptions.

Parents, Students, and Invoicing

The first and most important information needed to be stored is information regarding parents and students. For both parents and students, we will need an email, phone number, first and last name, the age of the student, the charge for a tutoring session, and what class/classes the student needs help with. Some of the descriptions could be null depending on the situation. For example, not every student will have a phone number. They will also need an ID for identification in case there are parents or students will duplicate names.

Tutors

Each individual instructor will need to be stored in the database as well. We will need information from them such as their first name, last name, email, phone, pay per hour, and the corresponding classes they can teach. They will also need an ID for identification in case there are tutors will duplicate names.

Scheduling

Scheduling information will also need to be stored in the database. This information will show us when a specific student has a session. It will also tell us with which tutor they will have the session, and what subject they need help with. It could also refer to invoicing to tell us how much the session will cost.

Given all the following information, a database will be created to help organize the data for From the Heart Tutoring. After completing the database, it will be put into effect to increase speed of company operations.