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Project Proposal – Karate Studio IS

I would like to create a database, much like an information system for a karate studio that manages and keeps track of student and instructor schedules. It would also keep track of payments and money in your account as well as tracking equipment, waivers signed, customer information and lesson times. This system could also be used to keep inventory of bricks and wooden boards that the kids break as well as its ability to send a notification to maintenance. Employee information contains the amount of money made as well as their ability to schedule when they are available for private lessons as well as “OFF” time for when they are not available.

The main screen will have your account’s basic information with tabs pointing to make a schedule, add money to your account, documents needed to sign, past transactions, and contact information. To make a payment, you will be brought to a screen where you can enter credit card information. The scheduling will bring you to a page that looks similar to excel with customizable dates with the times on the side and the lessons with the instructors on the top where you may sign up for lessons. The needed information will consist of a checklist with link that will bring you to the required documents and will become checked off once the admin at the front desk receives the documents. The past transaction will display each lesson and equipment you bought or rented and the amount of money you paid for each item at what date. Lastly, the contact information will exist as your profile which stores all information you put in.

This project will allow me to learn how to store and edit data on a user-friendly interface. This can become helpful to businesses that heavily rely on client-teacher schedules that need a good IS. I am also interested in this project because I am currently learning about information systems in my software systems and analysis class. Overall, this project will help me explore Java and learn how to use it to my advantage as a simple and common programming language.