Henrique Lima

Fall 2019

**Analysis Version.1**

*Legend*

Example = entity

Example = attribute

Example = relationship

Example = constraint

Dear Henrique,

I am the owner of Perfect Paws L.L.C., and I would be delighted for you to assist me in setting up a computerized database billing system.

Our pet grooming office has a receptionist, several assistants, and several pet groomers. Each performs various procedures, and each procedure has a specific cost.

We want the database system to do several things. First, we'd like the receptionist to be able to enter confirmation (proof) of Rabies vaccination. Next, we would like the receptionist to enter the name of the procedure (or procedure ID) performed on each dog or cat. For example, Buster has a flea dip shampoo, which may be procedure 2. When Buster leaves the office, the receptionist logs Buster’s name or ID, the time in and the time out, the name or ID of the procedure performed (in this case, a flea dip shampoo), and the date of service. Note that multiple procedures might be performed on a client during one visit. For example, Buster might have his nails clipped, coat washed, a specialty cut, and blow-dry during one visit.

Second, we need to track the number of hours the assistants and pet groomers work. Even though we charge the client a set fee per procedure, the assistants and pet groomers are paid by the hour. So we'll need to record the start and finish times of each appointment, so the time the assistant and the time the pet groomer spend with each client can be calculated.

Third, we want to generate a bill to our customer to be paid at the time of visit. This bill should show the name and address of the customer, the name of the client, the procedures performed, the date of service, the assistant, the groomer, cost for each procedure, and the total bill.

I hope you can help me set up my system.

Thank you.