Part 3: Data Modeling¶

Imagine you are opening a pet adoption agency where you will rescue and care for animals and try to find them owners who are a good match for them.

Design a database with at least 4 tables for your pet adoption agency. Include any relationships between tables where you feel they are needed.

For example, you'll need an animals table. Perhaps you have an animal species table as well. The relationship between animal species and animals is one-to-many. For every one species in the species table, you could, at most, have many animals of that species in the animals table.

Submit a diagram of your database for this project.

ESSENTIAL TASKS

Logging new arrivals which will be stores in general adoptees table

Possibly a table for evaluating new arrivals and checklists

Storage for health records and immunizations, behavioral evaluations etc

A data set to store adopter information contact information etc

Log information for employees

Log payment and payroll info

Log information for products foods, etc

Log information for office service sourcing ie behavioral analysts, vets etc,

Brainstorming

To simplify keep all adoptee information in one chart and ready vs unready will be a boolean value

One table for employees one being basic information and a second being payroll etc which will connect to employees table and outsourcing services table. Outsourcing services will link to adoptee table to connect services and providers for each adoptee

Shipments and supplies table can hold all product data for ordering supplies etc

Data for adopter including contact info etc and clearance to adopt

An additional adoption table will combine adoptee and adopters and link them to this table which will be stored for records showing incomplete and completed options for records

TABLE IDEAS

Adoptee

       Pet_id Primary Serial Key INT

       pet_name

       Type VARCHAR

       Description TEXT

       Adoption_status BOOLEAN

       Evaluee -id to serviceprovider

       Evaluation text

?How can I create multiple evaluees and evaluation text without just adding into the same data storage point? Or is that the best way to do it?

Adopter

       adopter_id

       First_name   VARCHAR

       Last_name VARCHAR

       Phone VARCHAR

       Email VARCHAR

Services

provider_id

Provider_first_name VARCHAR

Prover_last_name VARCHAR

Phone VARCHAR

Email VARCHAR

Specialty VARCHAR

Health/Immunization

record_id

Status BOOLEAN

List TEXT

Pet_id linked

Adoptions

Adoption_id

Adoptee_id INT

Adopter_id INT

Status BOOLEAN

Records TEXT

Employee

employee_id

Employee_first_name VARCHAR

Employee_last_name VARCHAR

Role ie admin adoption specialist VARCHAR

Calc_pay INT --dec

Hours_log INT-- dec

Phone VARCHAR

Email VARCHAR

Status full time default true BOOLEAN

Supplies

product_id

Type VARCHAR

Order_date_log timestamp

Order_recived_log timestamp

Quantity INT

Payroll

Employee_id INT

Payment_records_log TEXT