CSE 385 Group A-4
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Topic: Animal Adoption Shelters

Questions

1. The goal of our application is to provide people with a clear and simple interface to search for and adopt pets from nearby adoption centers and animal shelters.
2. The expectation of this application is that the database will connect animals, adoptions, and customers. It will detail which animals are at which shelters and which customers have adopted an animal (what species that animal is) from a specific center. We will not be including past owners or past health records for the animals because this will pose great challenges trying to accommodate for all the different species.
3. It will be difficult to update the database when an animal is adopted. We will set the adoption date in the Adoptions table, however when writing the stored procedures, we will have to join the Adoptions table each time.
4. Customers, employees, and center administrators will use the application. Customers and employees can look up which animals are in a specific center and center administrators can add and remove animals as adoptions occur.
5. ER diagram (see last page)
6. **Stored Procedures:**
    1. spGetAdoptionByAnimalID
        a. Parameters: AnimalID;
        b. Return: Adoptions with that AnimalID
    2. spGetCenterByAnimalID
        a. Parameters: AnimalID
        b. Return: CenterName
    3. spGetCustomerInfoByName
        a. parameters: CustomerName
        b. return: CustomerPhone, CustomerAddress, CustomerEmail,CustomerID
    4. spListUnadoptedPets (if adoption date is null maybe?)
        a. Parameters: Species(optional)
        b. Return: All animals up for adoption
    5. spSearchAnimalsBySpeciesName
        a. Parameters: SpeciesName
        b. Return: All animals up for adoption of the species (dog, cat, etc.)
    6. spSearchAnimalsByCenter
        a. Parameters: CenterName, CenterAddress

  b. Return: Animals at a center
7. spListAdoptionsByCustomer Parameters: CustomerID
8.
  a. AdoptionID, AnimalName, AdoptionDate
9. spGetEmployeeSalary
  a. Parameters: EmployeeID
  b. Return: EmployeeSalary
10. spGetEmployeesByCenter
  a. Parameters: CenterID
  b. Return: Employees *
11. spGetAdoptionsByDate
  a. Parameters: date1, date2
  b. Return: AdoptionID, CenterName, AnimalName, CustomerName
12. Add update and deletes for all (only update for species) (16)
13. spValidateCustomerPassword
  a. Parameters: username, password
  b. Validate the customer username and password
14. spValidateAdminPassword
  a. Parameters: username, password
  b. Validate the admin username and password

Adoption Center

CenterID (PK) (int)

CenterName (varchar(50))

CenterAddress (varchar(50))

Employees

EmployeeID (PK) (int)

CenterID (FK) (int)

EmployeeName (varchar(50))

EmployeePhone (varchar(10))

EmployeeSalary (money)

Administrator (bit)

Species

SpeciesID (PK) (int)

SpeciesName (varchar(50))

Animals

AnimalID (PK) (int)

CenterID (FK) (int)

SpeciesID (FK) (int)

AdoptionID (FK) (int)

AnimalName (varchar(50))

AnimalSex (bit)

Description (varchar(250))

AnimalAge (int)

DateArrived (date)

Adoptions

AdoptionID (PK) (int)

AnimalID (FK) (int)

CustomerID (FK) (int)

AdoptionCost (money)

AdoptionDate (date)

Customers

CustomerID (PK) (int)

CustomerName (varchar(50))

CustomerAddress (varchar(50))

CustomerEmail (varchar(50))