Team Rover Project Scope

Project Team (ordered by last name):

- Robert Alexander
- Eshan Bhatt
- Taylor Conners
- Prashant Ravindra Desai
- Kyle Murphy
- Sneha Ramesh Watharkar

Project Justification:

Dr. William Patel is determined to create a service that allows individuals with pets to leave them in the care of people that have above average experience and certification. This service is aimed at individuals with pets that have medical needs or require additional attention as well as general needs.

To make this service feasible Dr. Patel will need to create a database that can handle the list of technicians, clients, and their pets. A user interface will be needed that allows Dr. Patel and his associates to add, delete, and update information on techs, clients, and their pets. The interface will also need to allow clients to join and book a time.

Project Objectives:

Objective components will have 1 – 2 leads, but will receive feedback from the entire group before delivery

1) Database Development (Deadline June 11th)
   a. Business rules – Done
   b. Enhanced entity relationship diagram – Done
   c. Schema – Done
2) Database Implementation (Deadline June 18th)
   a. Normalization of data – in progress
   b. Uploading of data to appropriate tables
   c. Database testing
   d. View creation
      i. List of techs

ii. List of clients

iii. List of pets

iv. Available Schedule

v. Booked services

3) User Interface (Deadline June 25th)

a. Linked to database

b. Set up for admin and user roles

c. Allows for adding, deleting, and updating database

d. Allows for clients to view services and create orders

Business Rules:

1. One owner can have one to many pets, but pets can have one and only one owner.

2. One customer can order many services.

3. An order can have one to many services.

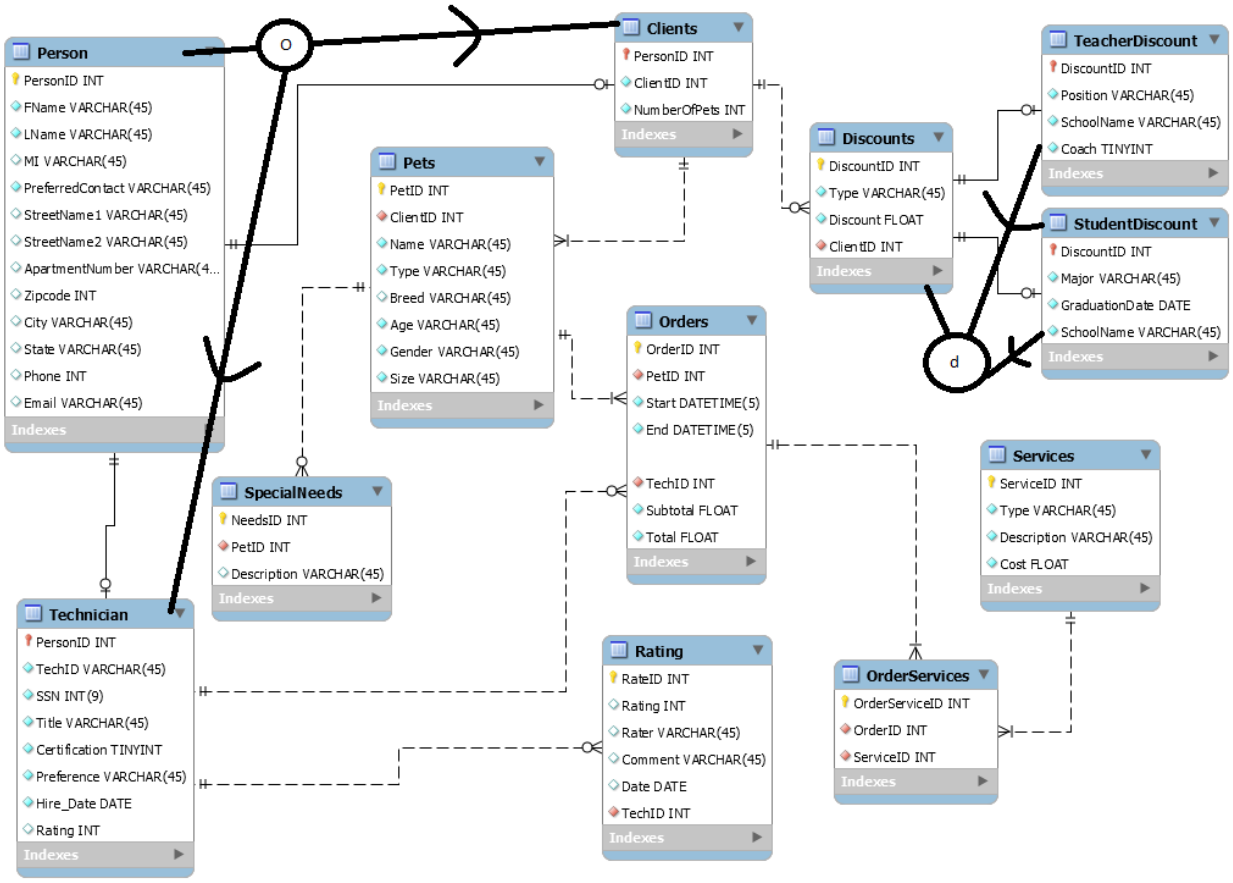
4. Discounts will be given to customers who are teachers and students. A customer can only receive one type of discount.

5. One order can have one and only one technician.

6. One technician can have zero to many ratings, but each rating is uniquely associated with one technician.

7. Customers can be technicians and technicians can be customers.

8. A pet can have zero to many special needs, but each special need is uniquely associated to one pet.


Person
PersonID INT
FName VARCHAR(45)
LName VARCHAR(45)
MI VARCHAR(45)
PreferredContact VARCHAR(45)
StreetName1 VARCHAR(45)
StreetName2 VARCHAR(45)
ApartmentNumber VARCHAR(4...
Zipcode INT
City VARCHAR(45)
State VARCHAR(45)
Phone INT
Email VARCHAR(45)
Indexes
Clients
PersonID INT
ClientID INT
NumberOfPets INT
Indexes
Pets
PetID INT
ClientID INT
Name VARCHAR(45)
Type VARCHAR(45)
Breed VARCHAR(45)
Age VARCHAR(45)
Gender VARCHAR(45)
Size VARCHAR(45)
Indexes
Discounts
DiscountID INT
Type VARCHAR(45)
Discount FLOAT
ClientID INT
Indexes
TeacherDiscount
DiscountID INT
Position VARCHAR(45)
SchoolName VARCHAR(45)
Coach TINYINT
Indexes
StudentDiscount
DiscountID INT
Major VARCHAR(45)
GraduationDate DATE
SchoolName VARCHAR(45)
Indexes
Orders
OrderID INT
PetID INT
Start DATETIME(5)
End DATETIME(5)
TechID INT
Subtotal FLOAT
Total FLOAT
Indexes
SpecialNeeds
NeedsID INT
PetID INT
Description VARCHAR(45)
Indexes
Services
ServiceID INT
Type VARCHAR(45)
Description VARCHAR(45)
Cost FLOAT
Indexes
Technician
PersonID INT
TechID VARCHAR(45)
SSN INT(9)
Title VARCHAR(45)
Certification TINYINT
Preference VARCHAR(45)
Hire_Date DATE
Rating INT
Indexes
Rating
RateID INT
Rating INT
Rater VARCHAR(45)
Comment VARCHAR(45)
Date DATE
TechID INT
Indexes
OrderServices
OrderServiceID INT
OrderID INT
ServiceID INT
Indexes
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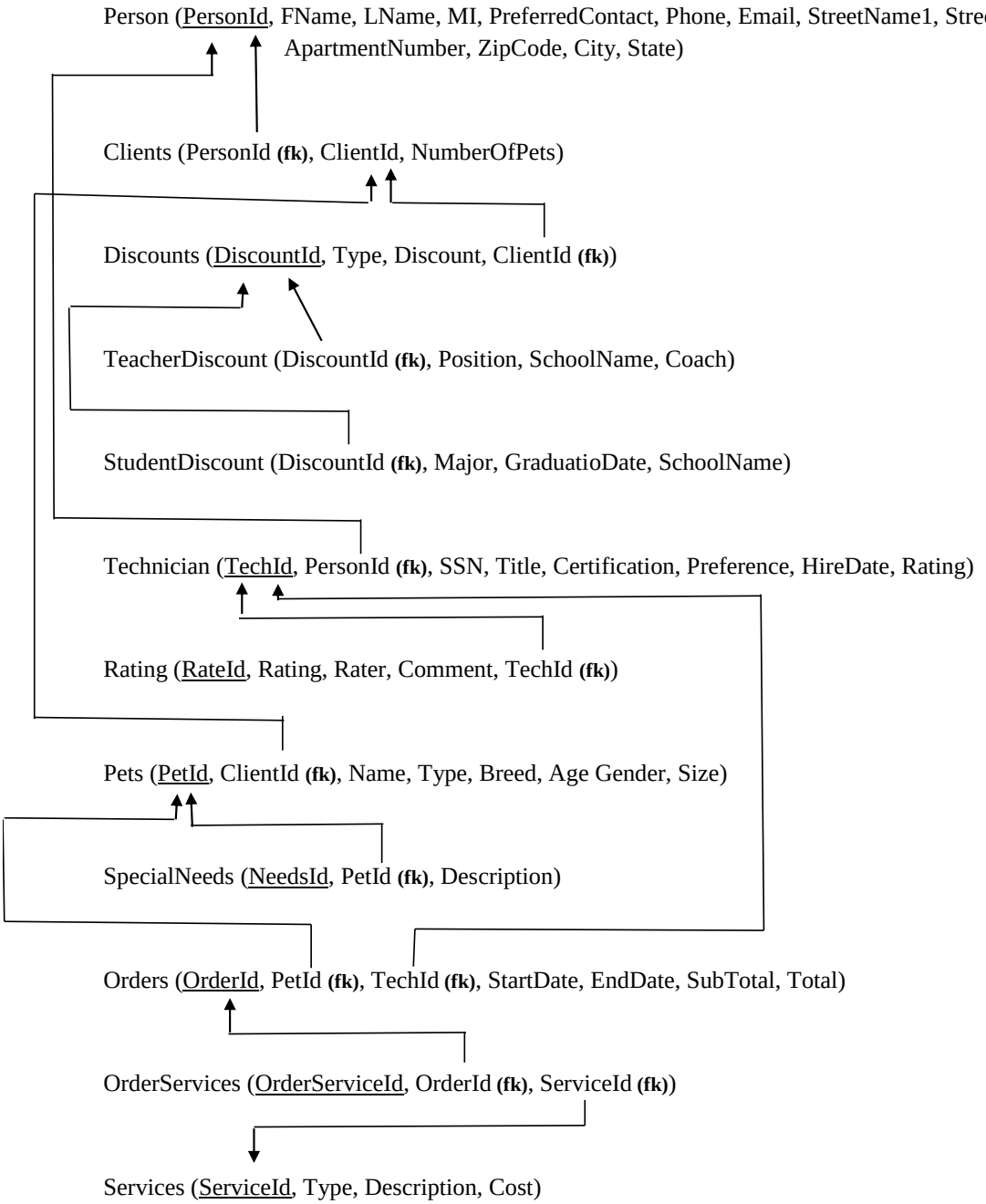
Person (PersonId, FName, LName, MI, PreferredContact, Phone, Email, StreetName1, StreetName2, ApartmentNumber, ZipCode, City, State)
Clients (PersonId (fk), ClientId, NumberOfPets)
Discounts (DiscountId, Type, Discount, ClientId (fk))
TeacherDiscount (DiscountId (fk), Position, SchoolName, Coach)
StudentDiscount (DiscountId (fk), Major, GraduatioDate, SchoolName)
Technician (TechId, PersonId (fk), SSN, Title, Certification, Preference, HireDate, Rating)
Rating (RateId, Rating, Rater, Comment, TechId (fk))
Pets (PetId, ClientId (fk), Name, Type, Breed, Age Gender, Size)
SpecialNeeds (NeedsId, PetId (fk), Description)
Orders (OrderId, PetId (fk), TechId (fk), StartDate, EndDate, SubTotal, Total)
OrderServices (OrderServiceId, OrderId (fk), ServiceId (fk))
Services (ServiceId, Type, Description, Cost)

Schema