**Dog Salon Database Design Document**

**ERD and EERD**

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**Purpose**

The purpose of this Database Design Document is to keep track of everything that happens at the dog salon. Like all the customers and services, etc.

**Narrative**

Dapper Dog Salon is a pet salon located in the Tampa Bay area that serves many customers every day. They pride themselves on ensuring that every dog that visits their shop leaves looking better and smelling cleaner, with a wagging tail of satisfaction. The Salon wants to design a database to track the business process described below.

Dapper Dog Salon tracks their customers (dog owners). They register each customer to

keep their information up to date and to have the ability to contact customers. The Salon tracks each customer’s name, address, phone number, email.

The Salon also tracks each dog’s name, breed, temperament, date of birth, and age. Dogs

are owed by customers. A customer can have more than one dog. A dog can be picked up by a

customer or an authorized family member. Family members are registered to a customer for pickup permission which allows them to access their family’s dog(s) at the salon.

The Salon purchases products from wholesale groomer supply stores. The product information is tracked by product number and the product description such as shampoo, styling tools, bows, nail clippers, combs, and other similar items.

The Salon has a list of wholesale groomer supply stores that they purchase from. The orders come directly from the supplier. They track the name, address, and phone number of the supplier. Some suppliers offer more than one item and some items come from more than one supplier.

The Salon provides services that customers select for their dogs to receive. The services

are tracked by type and description of service. The Salon wants to track which products are used for which service so they can be efficient in product ordering. Some services use no products, while other services may use more than one. A product may have multiple uses for different services. They also want to track which employees provide which services to which dogs on which dates. Services offered such as washes, haircuts, hair styles, nail trimming, nail painting, and flea treatments. Customers have the option to arrange a set of preferred services for their dog that are automatically performed whenever a dog is dropped off.

The Salon maintains simple employee information: name, address, and phone number. An employee may perform one or more services for a dog.

**Requirements (Actors and Roles)**

* Customers: Register, bring in dogs for services, and pick up their dogs.
* Family Members: Authorized for dog pickup.
* Suppliers: Provide products to the salon.
* Employees: Provide services to dogs.

**Entities**

* Customer
* Dog
* Family Member
* Supplier
* Product
* Service
* Employee

**Entities w/ Nested Attributes**

* Customer
  + CustomerID (Primary Key)
  + Name
  + Address
  + Phone Number
  + Email
* Dog
  + DogID (Primary Key)
  + Name
  + Breed
  + Temperament
  + Date of Birth
  + Age
  + CustomerID (Foreign Key)
* Family Member
  + FamilyMemberID (Primary Key)
  + Name
  + CustomerID (Foreign Key)
* Supplier
  + SupplierID (Primary Key)
  + Name
  + Address
  + Phone Number
* Product
  + ProductID (Primary Key)
  + Product Number
  + Description
* Service
  + ServiceID (Primary Key)
  + Type
  + Description
* Employee
  + EmployeeID (Primary Key)
  + Name
  + Address
  + Phone Number

**Business Rules**

* A Customer can have multiple Dogs (1-to-many).
* A Customer can have multiple Family Members (1-to-many).
* A Dog is owned by one Customer (many-to-1).
* Products can come from multiple Suppliers (many-to-many).
* Services can use multiple Products (many-to-many).
* Employees can provide multiple Services (many-to-many).
* Customers can select a set of preferred Services (many-to-many).

**ERD**

A screenshot of a computer

Description automatically generated

**EERD**

**A diagram of a company

Description automatically generated**