**Dog Salon Database Design Document**

Version 1.0

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**Version History**

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| **Version** | **Description** |
| 1.0 | First release draft |
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# Purpose

The Purpose of this database design document is to record the business process of Dapper Dog Salon. The database tracks the information of dog owners, the dogs, salon product suppliers and the type of services the dog salon offers. As the salon provide regular services it is important to have an efficient database to track their customers by maintaining detailed records.

# 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)

Customer:

* Customer owns dogs.

Dog:

* Dogs are owned by customer and receives salon services.
* Dogs can be picked up by a customer or an authorized family member.

AuthorizedFamily:

* Family members are registered to a customer to pick up dogs.

Supplier:

* Suppliers provide products to salon.
* Suppliers offer more than one item and some items come from more than one supplier.

Services:

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

Product:

* Products are purchased by salon from suppliers.

Employees:

* Employees perform services to dogs. Employees may perform one or more services for a dog.

# Entities

* Customer
* Dog
* AuthorizedFamily
* Supplier
* Services
* Product
* Employee

# Entities W/ Nested attributes

Customer

* CustomerID
* Name
* Address
* Phone Number
* E-mail

Dog

* DogID
* Name
* Breed
* Temperament
* DOB
* Age

AuthorizedFamily

* FamilyID
* Name

Suppliers

* SupplierID
* Name
* Address
* Phone number

Services

* ServiceID
* Type
* ServiceDescription

Product

* ProductID
* ProductDescription

Employee

* EmployeeID
* Name
* Address
* Phone

# Business Rules

Customer: A customer owns at least one or more dogs.

Dog: A dog is owned by only one customer. A dog can be picked up by a customer or an authorized family member.

AuthorizedFamily: Family members can pick up dogs. There can be zero, one or more than one family member to pick up dogs per customer.

Supplier: Some suppliers offer more than one item and some items come from more than one supplier. There can be Zero, one or more than one supplier supplying Zero, one or more than one items.

Service: Some services use no products, while other services may use more than one.

Product: A product may have multiple uses for different services.

Employee: An employee may perform one or more services for a dog.

# ERD



# EERD



# Relational Schema

