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**Dog Salon Database Design Document**

**Version 1.0 Revision 1**

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**Version History**

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| **1.0 Rev 1** | **1st release doc** |
| **1.1 Rev 1** | **Updated document with correction**  **9/25/2021** |
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**Purpose**

The purpose of this document is to develop and keep track of changes taking place in creating database for Dog Salon business processes. Some of the major process to be tracked are:

1. Customers who come to saloon with their dogs for various services.
2. Products to be ordered to reduce inventory.
3. Employees and the services record.
4. Record of dogs preferred services to enhance the services

**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.

**Actors and Roles :**

1. **Customers (Dog Owners**): Bring their dog to salon for grooming and take them back. There can be one or more dog owners
2. **Salon:** Provides Services to customer
3. **Dog**: A dog can be owned by one or more customers
4. **Family Member**: registered to a customer
5. **Products**: Used by employees for grooming dog
6. **Wholesale groomer supply stores:** Supplies products to the salon
7. **Services**: Services are ordered by customers
8. **Employee:** Perform Services to the dogs

**Entities:**

* Customer
* Dog
* Family Member (Alternate Custome)
* Products
* Wholesale groomer supply store
* Services
* Employee

**Entities w/ Nested Attributes:**

* Customer

1. CustomerID
2. Name
3. Address
4. Phone number
5. Email

* Dog

1. Dog’s name
2. Breed
3. Temperament
4. Date of birth
5. Age

* Family Member

1. CustomerID
2. Name
3. Address
4. Phone
5. Email

* Products

1. ProductID
2. Product description
3. Brand
4. Expiry
5. Price

* Wholesale groomer supply stores (Suppliers)

1. Products
2. Name
3. Address
4. Phone
5. Quantity

* **Services**

1. ServicesID
2. ProductID

* **Employee**

1. EmployeeID
2. Name
3. Address
4. Phone
5. EmailID

**Business Rules:**

* Customer: A customer can have more than one dog
* Dog: A dog can be picked up by a customer or an authorized family member
* Salon: The Salon provides services that customers select for their dogs to receive
* Family Member (Alternate Customer): Family members are registered to a customer for pickup permission which allows them to access their family’s dog(s) at the salon
* Products: Some services use no products, while other services may use more than one
* Supplier: Some suppliers offer more than one item and some items come from more than one supplier.
* Services: Some services use no products, while other services may use more than one
* Employee: An employee may perform one or more services for a dog.

**Entity Relationship Diagram:**

Diagram

Description automatically generated

**Enhanced Entity Relationship Diagram:**

Diagram

Description automatically generated

**Relational Schema:**

A picture containing diagram

Description automatically generated