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Dog Salon ERD and EERD (Practice)

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ISM4212: Database Administration/ Design

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**Narrative Summary:**

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/ Roles):**

Dog: Dogs are dropped at the salon by the customers for groom service.

Customer: A customer is a dog owner.

Family Members: A family member is a family member of the customer, considered to be an alternative to pick up the dog from the salon instead of the customer.

Employee: An employee provides services to dogs.

Service: Service is employees helping dogs groom.

Product: Products are used while providing a service.

Supplier: Suppliers supply products for providing service.

**Entities:**

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

**Entities (w/ Nested Attributes):**

* Dog
* Dog ID
* Name
* Breed
* DOB
* Age
* Preferred Service
* Customer
* Customer ID
* Name
* Address
* Family members
* Fam ID
* Name
* Employee
* Employee ID
* Name
* Address
* Service
* Service ID
* Description
* Type
* Product
* Product ID
* Description
* Supplier
* Supplier ID
* Name

**Business Rules:**

Dog: A dog has only one owner or customer.

Customer: A customer may own more than one dog and have more than one family member.

Family Members (optional): A family member has only one customer.

Employee: An employee can get more than one dog and may provide more than one service.

Service: A service can be provided to a dog by an employee. A dog can get more than one service.

Product: A product is used to provide a service to a dog. A service can contain more than one product.

Supplier: A supplier can provide more than one product. Every product is ordered from a supplier.

**ERD:**



**EERD:**

