

Defining classes Lab: Part 1 and Part 2

The system that I, Christy, am looking for must have the capability of categorizing my data by (at least) the following categories of classes:

1. Product Type
2. Species

User Story

Eventually, I would like to retrieve total amounts of a specific type of product that I've purchased. Ideally, I would use this to be able to compare the pricing of purchases of product types year by year. For my purposes, a product type is shampoo, and another is conditioner.

Acceptance Criteria:

1. Must be able to query product types to retrieve a list of product types

Use Case Name	Create a product type		
Triggering Event	A new type of product on the market		
Brief Description	Allows the Owner to create a product type		
Actors	Owner		
Related Use Cases			
Preconditions	Owner has opened the Main Menu.		
Post Conditions	Product type is added and available to query		
Flow of activities	Actor		System
	1.	Requests to add a new product type	Displays a list of product types and prompts for product type and product type description.
	2.	Enters product type and description	Verifies that product type and description have been entered. Prompts for confirmation
	3.	Confirms entry	Saves the product type and returns to the main menu
Exception Conditions	<ul style="list-style-type: none">• Owner chooses to cancel adding the product type		

Use Case Name	Change a Product Type description
Triggering Event	Request to change a product type description
Brief Description	Allows the Owner to change a product type's description

Actors	Owner		
Related Use Cases			
Preconditions	Owner has opened the Main Menu.		
Post Conditions	Product type description is updated		
Flow of activities	Actor		System
	1.	Requests to query a product type	Displays a list of product types and prompts for product type.
	2.	Selects a product type	Retrieves the product type description and prompts for updates
	3.	Updates description and requests to save	Verifies that description was entered. Saves the data
Exception Conditions	<ul style="list-style-type: none"> Owner chooses to cancel updating the product type description 		

Use Case Name	Delete a Product type description		
Triggering Event	Request to delete a product type description		
Brief Description	Allows the Owner to delete a product type description		
Actors	Owner		
Related Use Cases			
Preconditions	Owner has opened the Main Menu.		
Post Conditions	Product type description is deleted		
Flow of activities	Actor		System
	1.	Requests to delete a product type description	Displays a list of product types and prompts to select product type.
	2.	Selects a product type	Retrieves the product type description and confirms deletion
	3.	Confirms deletion	Deletes the product type
Exception Conditions	<ul style="list-style-type: none"> Owner chooses to cancel deleting the product type description 		

Use Case Name	Query all product types and their descriptions		
Triggering Event	Request for product types		
Brief Description	Allows the Owner to retrieve all product types and their descriptions.		

Actors	Owner		
Related Use Cases			
Preconditions	Owner has opened the Main Menu.		
Post Conditions	All product types and their descriptions are retrieved.		
Flow of activities	Actor		System
	1.	Requests to query all product type	Displays a list of product types Prompts to cancel
	2.	Chooses to cancel	returns to the main menu
Exception Conditions	<ul style="list-style-type: none"> Owner chooses to cancel retrieving the product type 		

User Story

I have added surcharges for my services based on the gender of the pet. For example, cleaning the sanitary areas of pets differ between male and females, or even between female and spayed females. Male pets can be more aggressive than neutered males or females. For that reason, I would like to classify pets by gender.

Most of my client's pets fall into the genders:

1. Female
2. Female – spayed
3. Male
4. Male – neutered

I'm thinking of expanding into large animals, so for horses, I would have to add Gelding and Rig.

For that reason, Pet Gender has to have some flexibility!

Acceptance Criteria:

1. Must be able to query pet genders to retrieve a list of pet genders

Use Case Name	Create a pet gender		
Triggering Event	A new type pet gender		
Brief Description	Allows the Owner to create a pet gender		
Actors	Owner		
Related Use Cases			
Preconditions	Owner has opened the Main Menu.		
Post Conditions	Pet gender is added and available to query		
Flow of	Actor		System

activities		
	1.	Requests to add a new pet gender Displays a list of pet gender and prompts for pet gender and pet gender description.
	2.	Enters pet gender and description Verifies that pet gender and description have been entered. Prompts for confirmation
		Confirms entry Saves the pet gender and returns to the main menu
Exception Conditions	<ul style="list-style-type: none"> Owner chooses to cancel adding the pet gender 	

Use Case Name	Change a Pet Gender	
Triggering Event	Request to change a pet gender	
Brief Description	Allows the Owner to change a pet gender	
Actors	Owner	
Related Use Cases		
Preconditions	Owner has opened the Main Menu.	
Post Conditions	Pet gender is updated	
Flow of activities	Actor	System
	1.	Requests to query pet genders Displays a list of pet genders and prompts for pet gender.
		Selects a pet gender Retrieves the pet gender and prompts for updates
	3.	Updates pet gender and requests to save Saves the data
Exception Conditions	<ul style="list-style-type: none"> Owner chooses to cancel updating the pet gender 	

Use Case Name	Delete a pet gender
Triggering Event	Request to delete a pet gender
Brief Description	Allows the Owner to delete a pet gender
Actors	Owner
Related Use Cases	
Preconditions	Owner has opened the Main Menu.
Post Conditions	Pet gender is deleted

Flow of activities	Actor		System
	1.	Requests to delete a pet gender	Displays a list of pet gender and prompts to select pet gender.
	2.	Selects a pet gender	Retrieves the pet gender and confirms deletion
	3.	Confirms deletion	Deletes the pet gender
Exception Conditions	<ul style="list-style-type: none"> Owner chooses to cancel deleting the pet gender 		

Use Case Name	Query all pet genders and their descriptions		
Triggering Event	Request for pet genders		
Brief Description	Allows the Owner to retrieve all pet genders and their descriptions.		
Actors	Owner		
Related Use Cases			
Preconditions	Owner has opened the Main Menu.		
Post Conditions	All pet genders and their descriptions are retrieved.		
Flow of activities	Actor		System
	1.	Requests to query all pet genders	Displays a list of pet genders Prompts to cancel
	2.	Chooses to cancel	returns to the main menu
Exception Conditions	<ul style="list-style-type: none"> Owner chooses to cancel query pet genders 		

User Story

I charge for my services based on species and breed. For example, I groom both cats and dogs. To bath and brush a cat is more work than bathing and brushing a small dog. Cats won't sit on command! I would like to categorize by clients pets by species.

Acceptance Criteria:

1. Must be able to query breeds by species.

Use Case Descriptions

Use Case Name	Create a species
Triggering Event	A new species.

Brief Description	Allows the Owner to record species information	
Actors	Owner	
Related Use Cases		
Preconditions	Owner has opened the Main Menu.	
Post Conditions	Species added and available for query	
Flow of activities	Actor	System
	1. Requests to add a new species	Display a list of species and prompts for species and description
	2. Enters species and description	Verifies that species and description have been entered Prompts for confirmation
	3. Chooses to confirm	Saves data
Exception Conditions	<ul style="list-style-type: none"> Owner chooses to abort adding the species 	

Use Case Name	Change a Species	
Triggering Event	Request to change a species	
Brief Description	Allows the Owner to change a species	
Actors	Owner	
Related Use Cases		
Preconditions	Owner has opened the Main Menu.	
Post Conditions	species is updated	
Flow of activities	Actor	System
	1. Requests to query species	Displays a list of species and prompts for species.
	2. Selects a species	Retrieves the species and prompts for updates
	3. Updates species and requests to save	Saves the data
Exception Conditions	<ul style="list-style-type: none"> Owner chooses to cancel updating the species 	

Use Case Name	Delete a species
Triggering Event	Request to delete a species
Brief Description	Allows the Owner to delete a species

Actors	Owner		
Related Use Cases			
Preconditions	Owner has opened the Main Menu.		
Post Conditions	species is deleted		
Flow of activities	Actor		System
	1.	Requests to delete a species	Displays a list of species and prompts to select species.
	2.	Selects a species	Retrieves the species and confirms deletion
	3.	Confirms deletion	Deletes the species
Exception Conditions	<ul style="list-style-type: none"> Owner chooses to cancel deleting the species 		

Use Case Name	Query all species		
Triggering Event	Request for species and breed information		
Brief Description	Allows the Owner to retrieve all species information		
Actors	Owner		
Related Use Cases			
Preconditions	Owner has opened the Main Menu.		
Post Conditions	All pet species and breeds are retrieved		
Flow of activities	Actor		System
	1.	Requests to query all species	Displays a list of species
	2.	Chooses to cancel	returns to the main menu
Exception Conditions	<ul style="list-style-type: none"> Owner chooses to cancel retrieve species/ 		