

Description of the problem:

1. Develop an application to a veterinarian that allows me to show the functionalities required by the veterinarian "My Little Pet", and also allows me to know the details of each pet, each client, prescription drugs and mini-rooms

2. Functional Requirements

RF#1	Register customer and pet data
SUMMARY	The system allows to Add a new client with your pet
INPUT	<ul style="list-style-type: none">•Customer name•Customer identification• Customer's address• Customer's phone•The pet's name• Type of pet• The weight of the pet•Age
OUTPUT	The user is registered with the pet

RF#2	Know if there is availability of mini room
SUMMARY	The system allows to Look at all the rooms to find out if there is one to hospitalize
INPUT	<ul style="list-style-type: none">• Room availability
OUTPUT	Room availability is returned as a boolean

RF#3	Perform a report of the medical records of the patients hospitalized at the time of the report query
SUMMARY	The system allows to Show the reports of hospitalized pets
INPUT	
OUTPUT	It shows the reports of the patients of the clinical history

RF#4	Consult the contact details of the owner of the animal
SUMMARY	The system allows to The user information is displayed with your pet (s).
INPUT	<ul style="list-style-type: none">• User identification• Name of the animal
OUTPUT	Displays user information on screen

RF#5	Calculate the cost of hospitalization of the pet
SUMMARY	The system allows to Calculate the cost of each animal according to its type and weight
INPUT	<ul style="list-style-type: none">•Type of animal• Cost of medication• Animal weight
OUTPUT	The cost of hospitalization is calculated

RF#6	Allow discharge of an animal that has been hospitalized
SUMMARY	The system allows to Look in each mini room to get an animal
INPUT	<ul style="list-style-type: none">• User identification• Name of the animal
OUTPUT	The animal is removed from the room and its information is stored in the clinical history

RF#7	Know how much your income has been for hospitalization
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SUMMARY	The system allows to Know the total of the incomes that come to the veterinary
INPUT	
OUTPUT	Calculate total income

RF#8	Allow to know the number of the mini room
SUMMARY	The system allows to Show the number of the mini room
INPUT	
OUTPUT	The mini-room number is displayed

RF#9	Consult the history of clinical histories if a pet has already had hospitalization
SUMMARY	The system allows to Show the report of clinical histories of all the pets
INPUT	
OUTPUT	Show the list of all pets in hospitalization

RF#10	Deliver a report of hospitalization data
SUMMARY	The system allows to It shows the data of the pets hospitalized until that moment
INPUT	
OUTPUT	Show the data of hospitalized pets

4.Trazability Analisis.

RF		
	Clase	Método
Record customer and pet data	Veterinary,Client,Pet	+addClient(Client,ArrayList<Pet>):void
Know if there is availability of mini room	Veterinary,Room	+hospitalize(long,String):String
Make a report of the medical records of the patients hospitalized at the time of the report query	Veterinary,Client,Pet	+showClinicalHistories():String +showInfoHospi():String +showHospitalization():String
Consult the contact details of the owner of the animal	Veterinary,Client	+findPett(String,long,String) +findPet(String):Pet
Calculate the cost of hospitalization of the pet	Veterinary,Client,Pet	+costOfhospis(String,double,int,int,int):String +costOfhospis(String,double,int,int,int):String +costOfHospitalizate(String,double,int,int,int):String +getFrecuencyOfMedicament(int,int,int):int
Allow an animal that has been hospitalized to be discharged	Veterinary,Client	+hospitalize(long,String):String +addToAvaibleRoom(Pet):String
Know how much your income has been for hospitalization	Veterinary,Client,Pet,Clinical History,Medicamnet	+costOfhospis(String,double,int,int,int):String +costOfhospis(String,double,int,int,int):String +costOfHospitalizate(String,double,int,int,int):String +getFrecuencyOfMedicament(int,int,int):int
Allow to know the number of the mini room	Veterinary,Room	+showRoom():String
Consult in the history of clinical histories if a pet has already had hospitalization	Veterinary,Pet,Client,clinical History	+showClinicalHistories():String +showInfoHospi():String +showInfoPetHospitalization():String
Deliver a report of hospitalization data	ClinicalHistory	+showClinicalHistories():String +showInfoHospi():String +showHospitalization():String