Universidad Autónoma de Ciudad Juárez

Campus CU-IIT

Subject: Software Requirements Development

Group: 2

VetPet

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SRS Document

1. Introduction

1.1 Purpose

The main objective of this system will be to help people who have pets with a web page that has several functionalities to facilitate processes related to their pets, such as the search for veterinary clinics where they can learn about the services they offer and what the cost of consultations is. .

The page will incorporate the adoption system facilitating this process and allowing different users to give and adopt pets.

The website will have a catalog of pet products that will allow customers to buy the most necessary products for their pets, without having to do it separately.

1.2 Scope

- Manage the user registration process through a CRUD system that will have a control with a database
- Manage the process of an adoption system that allows users to publish pets for adoption, as well as allowing users to adopt published pets
- Manage an ecommerce system where users can buy products for their pets
- A function that allows users to comment and rate ecommerce products
- shopping cart
- Online payment system
- Recommendation system for ecommerce
- A function that allows users to view the closest veterinarians of current location, approximate hours and prices
- Manage pet product stock database
- User authentication
- Incorporate different APIs that allow the application to connect to different services, such as Paypal or the INEGI page.

1.3 Definitions, acronyms, and abbreviations

Terms	Definition
Actor	An entity that interacts with the system
Adoption process	The process where someone acquires a new pet through a set of steps and registers.
API	The application programming interface is the service that helps two or more computer programs to communicate.
Artifacts	Any object that was created during the software development
Class-Diagram	This type of diagram maps out the structure of a system by modeling its classes, attributes, functions and relationships between the used objects.
CRUD	It is the acronym of Create, Read, Update and Delete, basically the basic functions of a database.
Customer	The users that are going to interact with the system by doing all of it functions, like buying products, create user account, adopt pets, locate veterinaries.
E-commerce system	It consists of all of the services that allow the buying and selling of goods and services.
Pet products	All of the self care products for animals, toys and accessories.
Pet rescuers	All the people who help to rescue and take care of the pets.
Recommender System	It is a subclass that filters the system information in order to provide suggestions that are more useful to a particular user.
Software	It is the set of logical components that allows to make specific tasks
Staff	The users that are in charge of all of the validations implemented in to the system processes.
UML	The Unified Modeling Language provides a visual

	representation of the system design.
Use-Case Diagram	It is the graphical depiction of the user's possible interactions with the system.
User story	It is the representation that depicts the implementation of a requirement, written in one or two sentences in natural language.
Veterinarians	The people that take care of the pets when they are sick or have any trouble.
Veterinaries	A place where animals or pets are given medical or surgical treatment and are cared for during the time of such treatment.
Web system	An app that allows users to be connected by a network

1.4 References

- IEEE. IEEE Std 830-1998 IEEE Recommended Practice for Software Requirements Specifications. IEEE Computer Society, 1998.

1.5 Overview

The remainder of this document is divided into three parts. Chapter 2 provides a list of the products to be developed and provides the context of the requirements. Chapter 3 specifies the requirements that the software is expected to meet. Chapter 4 shows the interviews conducted with the client.

2. Overall description

Our Project is a recommendation system that consists of several modules such as

- Veterinarian recommendation

- Appointment scheduling
- E-commerce.
- Reminder by message and contact
- Adoption module
- User registration
- Reviews module.

Home: in this module you will be able to visualize the main page with the name and logo of the system.

Veterinarians recommendation: this module will show the user the nearest veterinarian to his home and based on his history either in purchase of products or services will recommend the one that meets the user's expectations and the one that handles the best services and prices.

Appointment schedule: in this module you will be able to see the form to schedule an appointment which should allow you to select the day and time of the appointment.

E-commerce module: in this module you can see the products where the user can select and add the quantity of each product you need, if the user can see the price and total of the products and the method of payment.

Reminder by message and mail: this module cannot be seen because it is an internal function of the system, which will send the user a message a day before reminding you that you have a pending appointment.

Adoption module: this module will allow the user to make an application to adopt a pet or to give in adoption, when the user wants to adopt, he/she will be asked to fill a form to continue with the process.

User registration: in this module you can see the form where the user can create an account, which will ask for name, email, password and phone number.

Reviews module: in this module the user will be able to give his opinion about the services received and costs per veterinarian service so that other users can choose the one that best serves them.

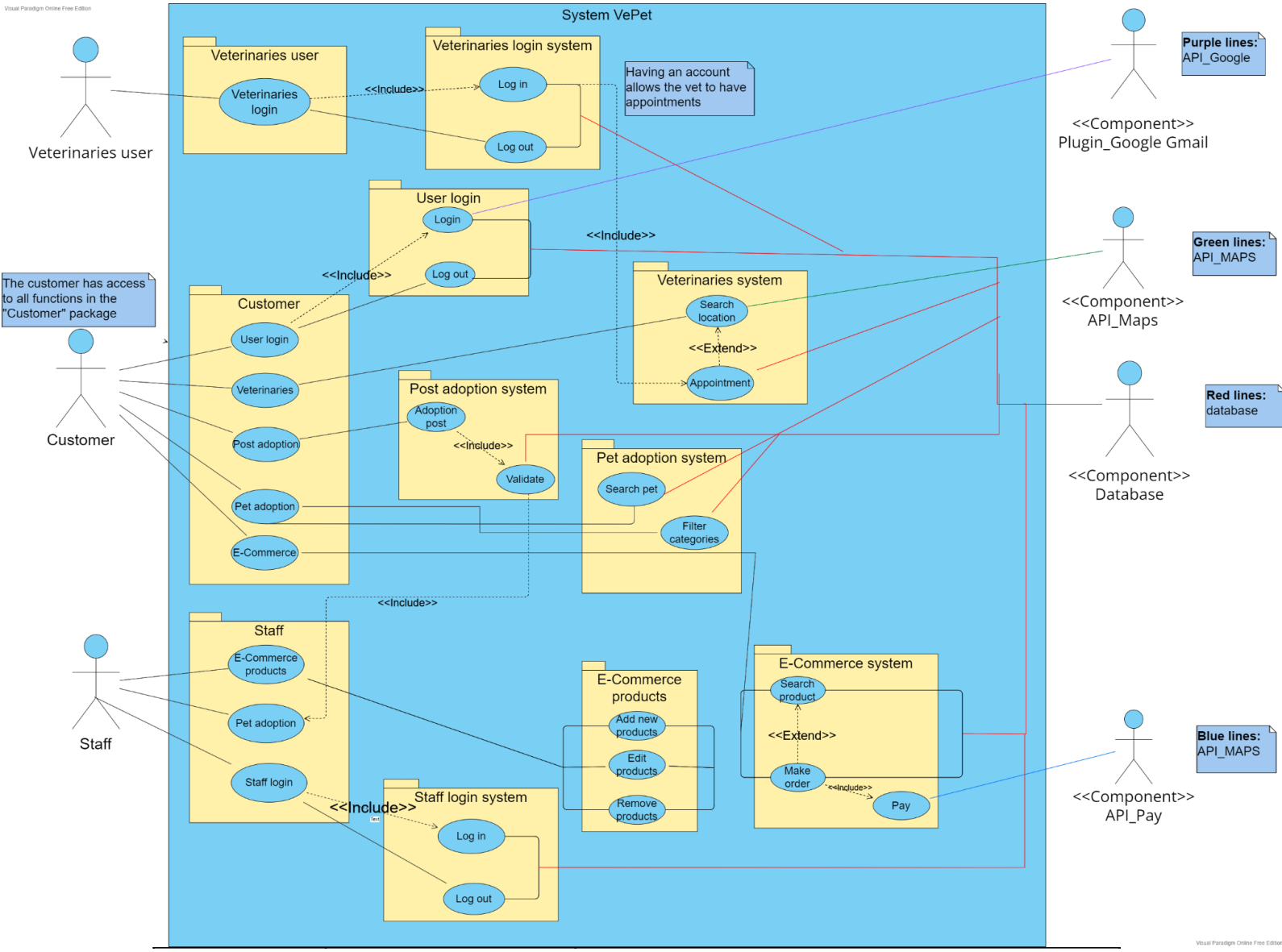
Users can access the system with a username and password, which will allow access to all services from anywhere through a computer, tablet or any mobile device.

2.1 Product perspective

The system will be a new website that helps users to locate nearby veterinary clinics, buy goodwills for their pets and also, the app will offer an adoption system. The web system incorporates a set of different functions that will allow the users to fulfill their pet related needs.

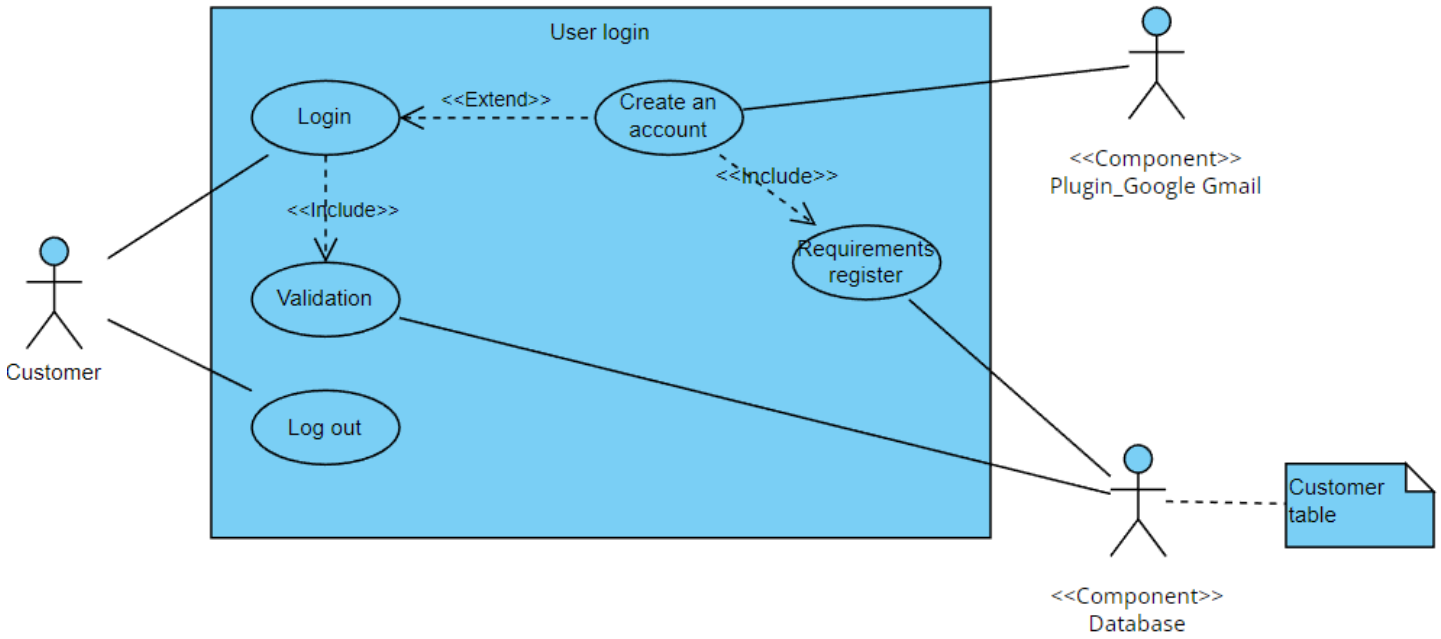
The main concept of this system was developed for some specific reasons, to give pet caretakers the necessary functions to discover new veterinary clinics, new pet products and if they want, this type of users can adopt some other pets.

2.2 Products functions



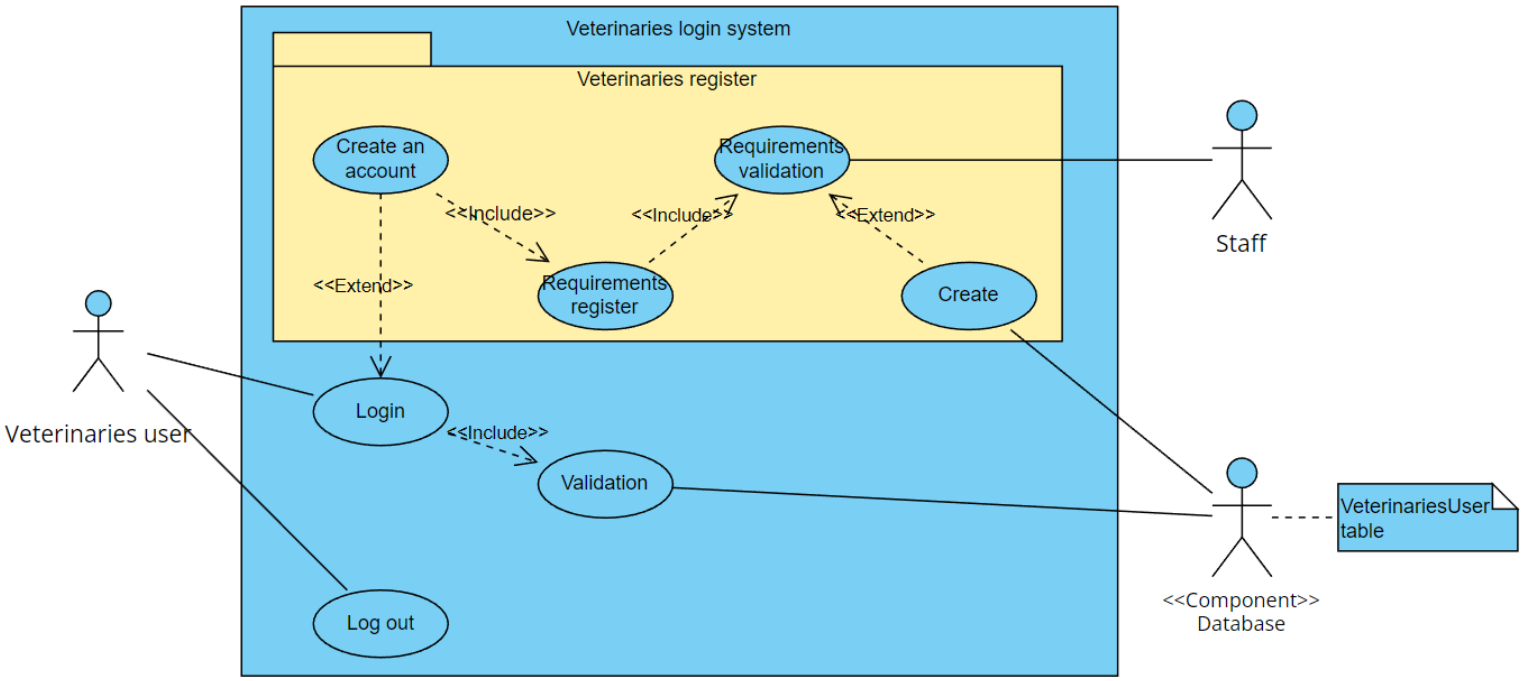
Veterinaries user	Veterinaries login system	Veterinarians can login with their accounts in to the system, if they do not have an existing one, they can register in the system that is stored in the database, meeting the requirements and also. After that, the vet users login and the data needs to be validated with the one that is stored on the database.
Customer	E-Commerce	The customer can search for pet products by category and order the products by making an online payment that connects to the pay API
	Post Adoption system	Customers are able to publish a post of the pets that they have to give up for adoption, they fill out a requirements form, then the post is stored in the database and after that, the staff decides if it can be validated or not.
	Pet adoption	The customers can search if there are adoption posts to contact the owner, this is done by a connection to the database.
	User login	Customers have to be registered in the database and validated or they can connect to Google Gmail plugin to use an external account, they have to log in to be able to use functions such as E-Commerce.
Staff	Staff login	The Staff needs to access the system with their username and password to be able to use the functions. The staff can logout whenever they want.
	E-Commerce products	The staff has access to this function to manage the inventory of the products in the database

2.2.1 User login



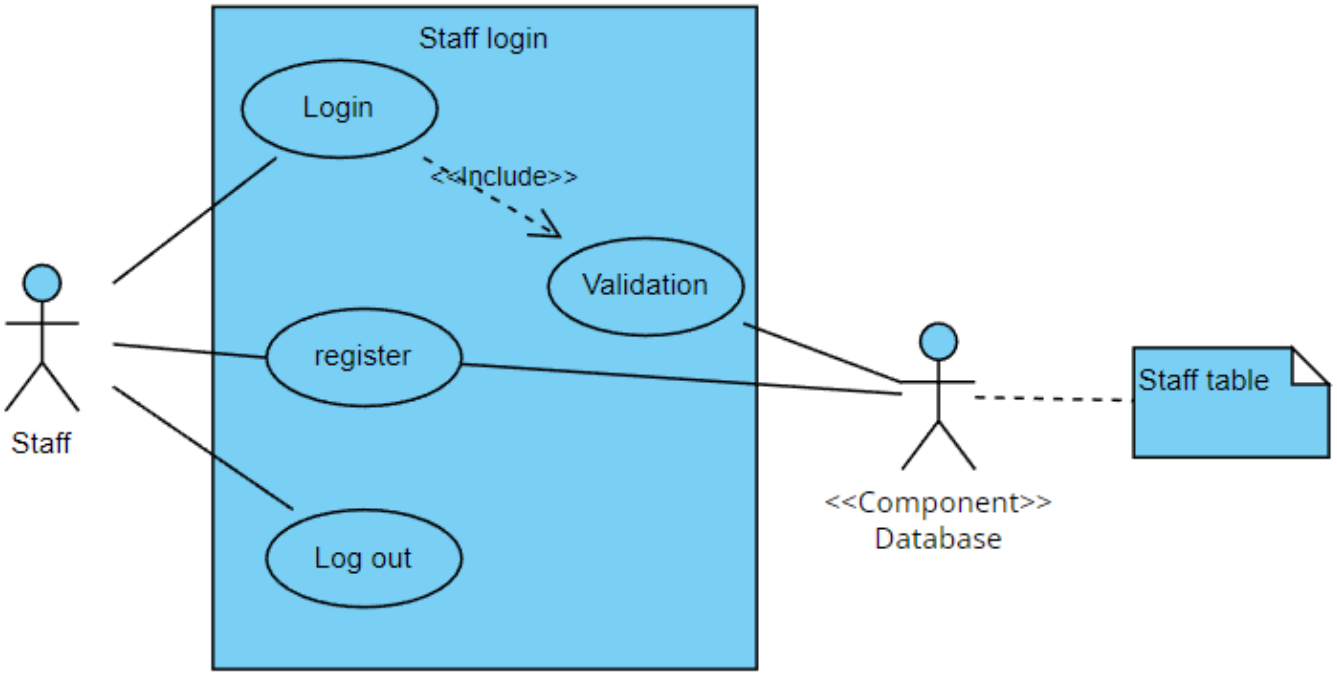
User login		
Actor	*Process*	*Descripción*
Customer	Login	This use case allows users to validate their identity before the system. System, it shows on screen a dialog box where the user login and password to enter the and password to enter the application.
	Validation	1. Verify that the user login is registered. 2. Verify that the password matches the user in the database. 3. The system gives access to the application
	Log out	The customer can log out
	Create an account	A form is displayed on the screen where the user's data is registered, so that he/she can access the application. user data to be entered, so that he/she can create an account and have access to the application. The data is saved in the database in the "Users" table. If the user doesn't want to create a new account, the system can connect him to the Google Gmail Plugin.
	Requirements register	The user must enter his data such as name, last name, user, password, email, phone number and enter the role.

2.2.2 Veterinaries login



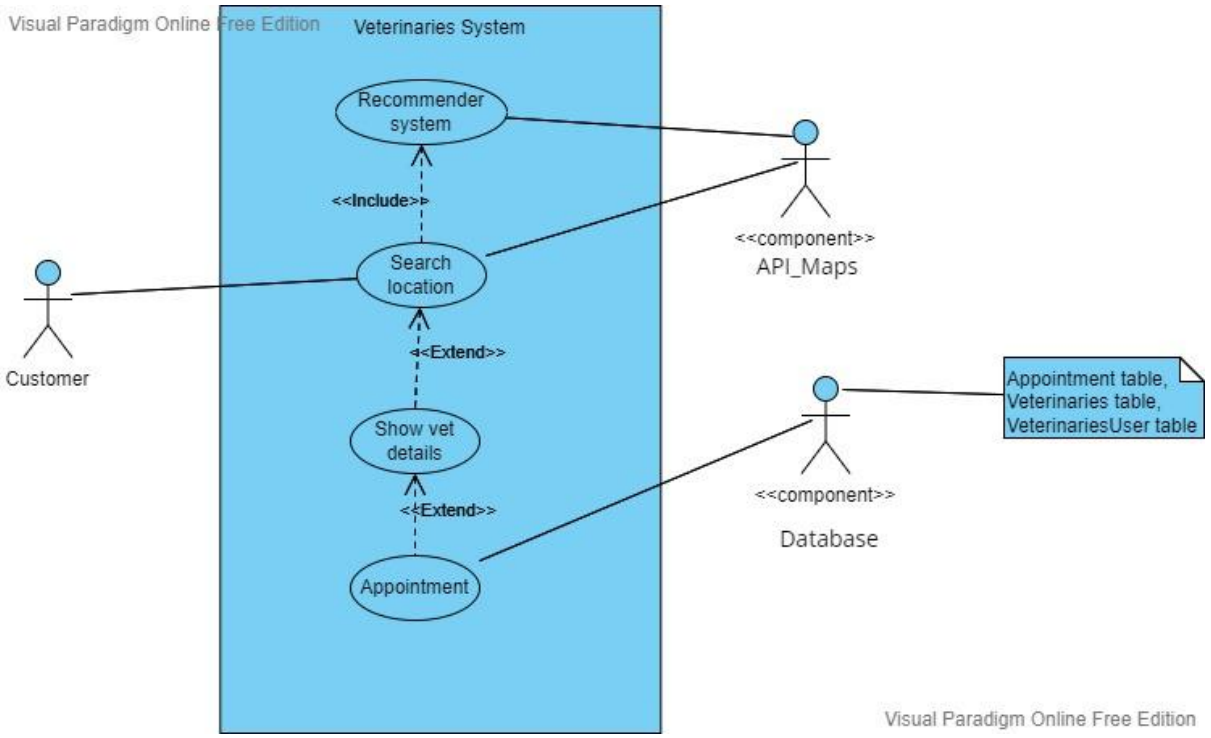
Veterinaries login		
Actor	*Process*	*Descripción*
Veterinaries	Register veterinary	The veterinary must register to be able to receive appointments from the website.
	Requirements register	The requirements must be met in order to register: name, location, hours, etc.
	Validation requirements	The staff has to validate this record to verify if the veterinary data is real.
	Create	If the vet passes validation, it is now created in the system, saved to the database in the "veterinaries" table, and clients can make appointments on it.
	Login	System, it shows on screen a dialog box where the user login and password to enter the and password to enter the application.
	Validation	1. Verify that the user login is registered. 2. Verify that the password matches the user in the database. 3. The system gives access to the application
	Log out	Log out of the system

2.2.3 Staff login



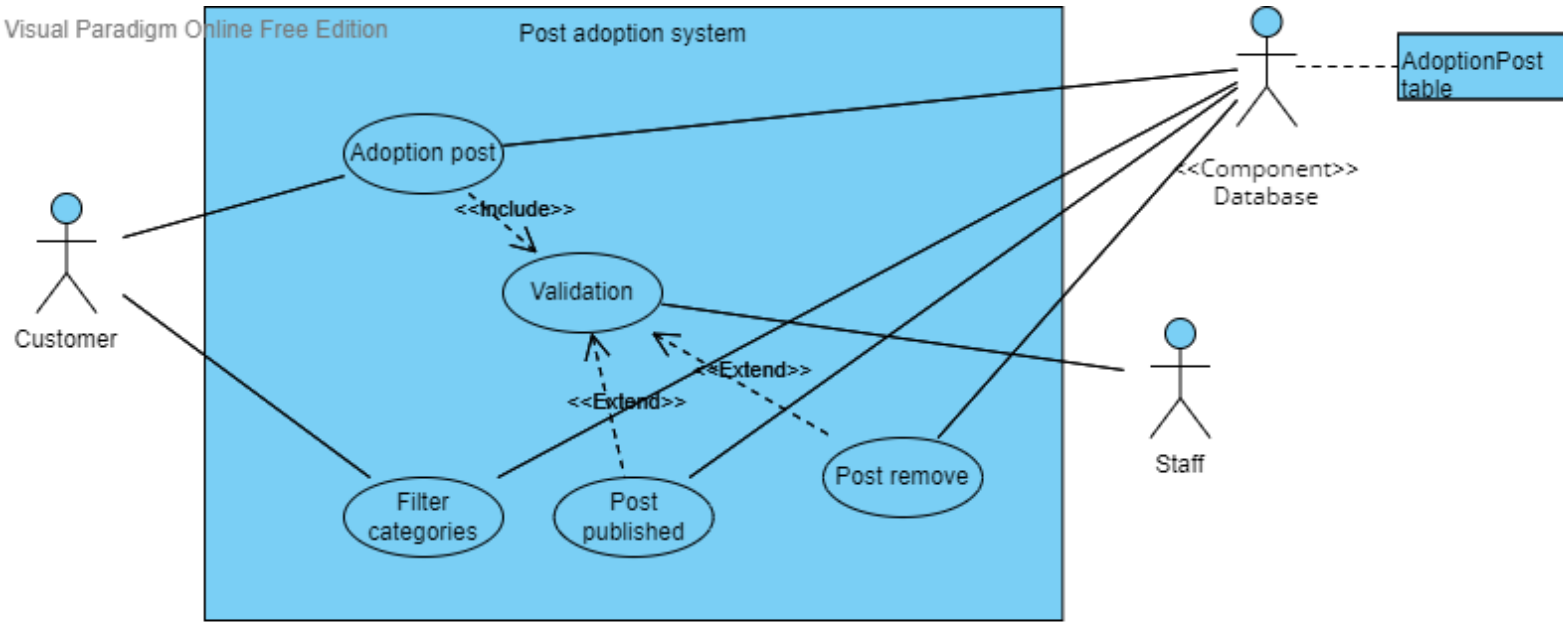
Staff login		
Actor	*Process*	*Descripción*
Staff	Login	System, it shows on screen a dialog box where the user login and password to enter the and password to enter the application.
	Validation	1. Verify that the user login is registered. 2. Verify that the password matches the user in the database. 3. The system gives access to the application
	register	Any staff person can register other staff to the system
	Log out	Log out of the system

2.2.4 Veterinarians system



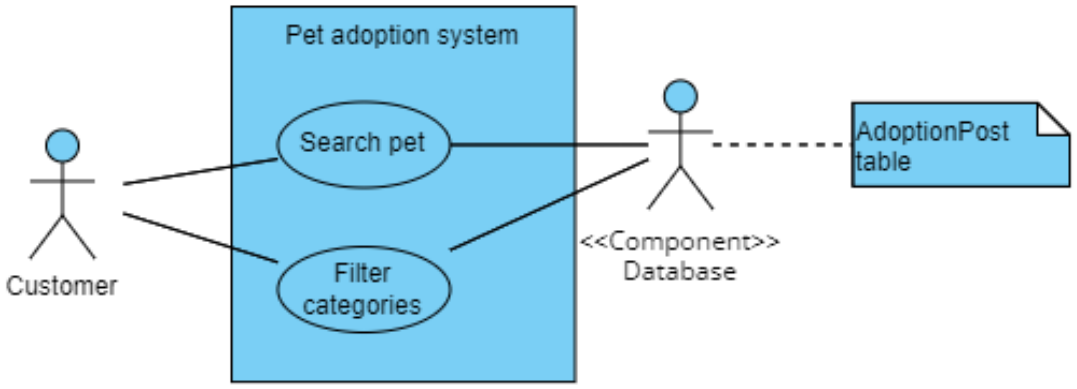
Veterinaries		
Actor	*Process*	*Descripción*
Customer	Search locations	It allows the user to type his actual location, with the purpose of finding nearby vet clinics. This is done by connecting the system to an external service, like google maps.
	Show vet details	A table that pops up for the user, with all of the veterinary info like: ● Schedule ● Services ● The complete address ● Phone number
	Appointment	The customer can schedule an appointment with a specific veterinary, if the details are useful for him, this process will be saved in the database in the "Appointment" table.
	Recommender system	The system collects all of the nearby veterinaries for the user and it shows him which one is the best, based on the five star rating.

2.2.5 Post adoption



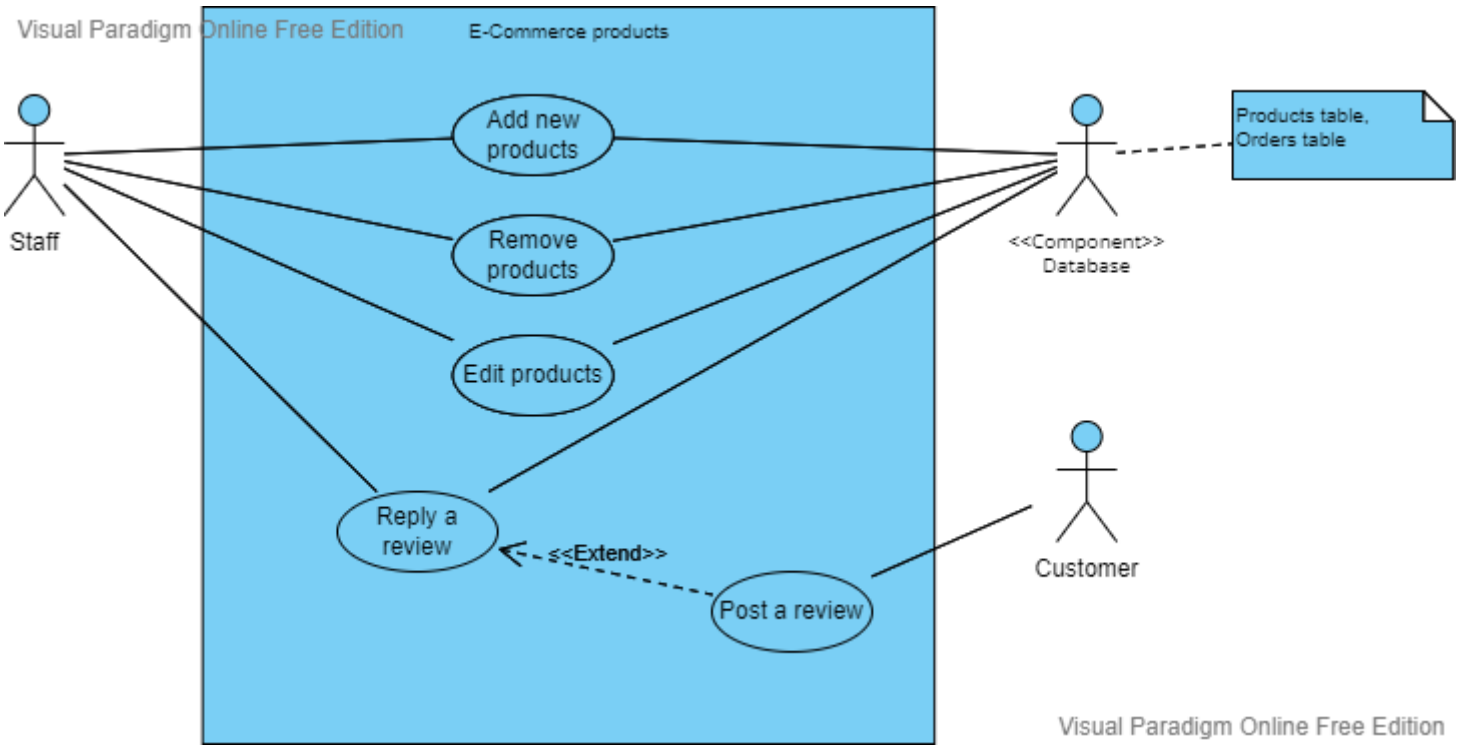
Post adoption		
Actor	*Process*	*Descripción*
Customer	Adoption post	The user will be able to make publications about pets whether he/she wants to adopt or give up a pet for adoption.
	Post published	Posts must be validated by staff, if approved by staff, they are saved to the database in the "Adoption" table and posted.
	Post remove	Posts that are not approved by the staff will not be posted and will be deleted.
Staff	Validation	When the user makes a publication, it will be validated by the staff, who determines whether it is posted or deleted.

2.2.6 Pet adoption



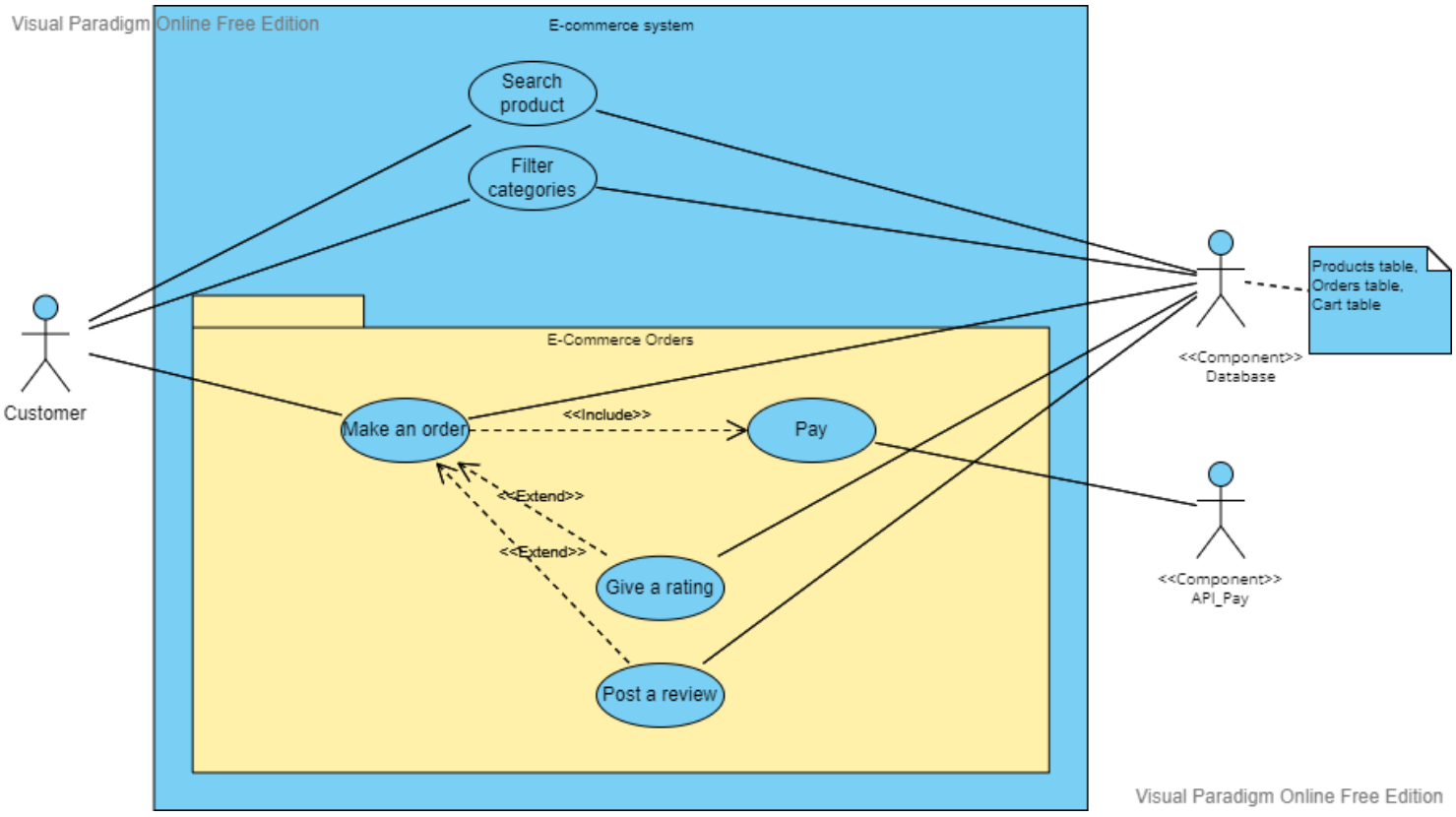
Pet adoption		
Actor	*Process*	*Descripción*
Customer	Search pet	The user searches for pets that are up for adoption connected to the database
	Filter categories	The user can filter the searches for pets by categories: cat, dog, rodents, birds

2.2.7 E-Commerce products



E.Commerce products		
Actor	*Process*	*Descripción*
Staff	Add new products	The staff can add products to the inventory that is connected to the database in the "Products" table.
	Remove products	The staff can delete products from the database in the "Products" table.
	Edit products	The staff can edit any attribute of the existing products in the database.
	Reply a review	Staff may respond to customer reviews to answer questions or provide assistance. The response is saved in the database in the "Reviews_product" table.
Customer	Post a review	The client makes a review about a product.

2.2.8 E-Commerce



E-Commerce		
Actor	*Process*	*Descripción*
Customer	Search product	The customer can search for products in the system connected to the database in the "Products" table.
	Filter categories	Products can be filtered by categories: food, toys, hygiene, accessories, home.
	Make a order	Products are added to the shopping cart and an order of the products is generated that will be saved in the database in the "Orders" table.
	Give a rating	The customer can give a rating to the product between 1 and 5. The rating is stored in the database in the "Products" table.
	Post a review	The customer can give a review about the product. The review is saved in the database in the "Products" table.
	Pay	The system allows the customer to choose the payment method he wants to use.
	Cancel orders	the customer can cancel an order at any time.
	Modify orders	If the customer doesn't feel satisfied by the order, he can change it and modify it.

2.3 User Characteristics

The end users of this web application are expected to be people who have pets, regardless of whether they are dogs, cats, rodents, etc...

As the purpose of the application is to buy and consult from reliable sources, veterinarians that provide a good service, in addition to an adoption system, it is not necessary for users to have any level of study except knowing how to read and write,

either a basic technical level is required beyond that of handling the basics of a computer or smart device that can surf the internet

Regarding experience, no previous experience shopping online will be necessary, since the system is designed so that anyone old enough to handle the internet and has a bank account can use our catalog shopping system.

The veterinary recommendation system and the adoption system also do not require experience in similar websites, since it is simple to understand and friendly to the client, the same page will guide you in each step that you take and provide you with the complete experience that is required can offer you

2.4 Constraints

- The interface of the system should be easy to use and to understand
- Users must create an account to access the website
- Anyone with a registered username and password can enter the website
- The user must enter a username and password previously registered
- The password must be no less than 8 characters long and will be sensitive to the use of uppercase and lowercase letters
- The user must be registered and logged in to be able to buy something

2.5 Assumptions and dependencies

It is assumed that the user is familiar with an internet browser and also familiar with handling the keyboard and mouse. Since the application is a web based application there is a need for the internet browser. It will be assumed that the users will possess decent internet connectivity. It is assumed that adequate training for the staff user of the system must be carried out. The training will be done at the time it is necessary and with the indicated person.

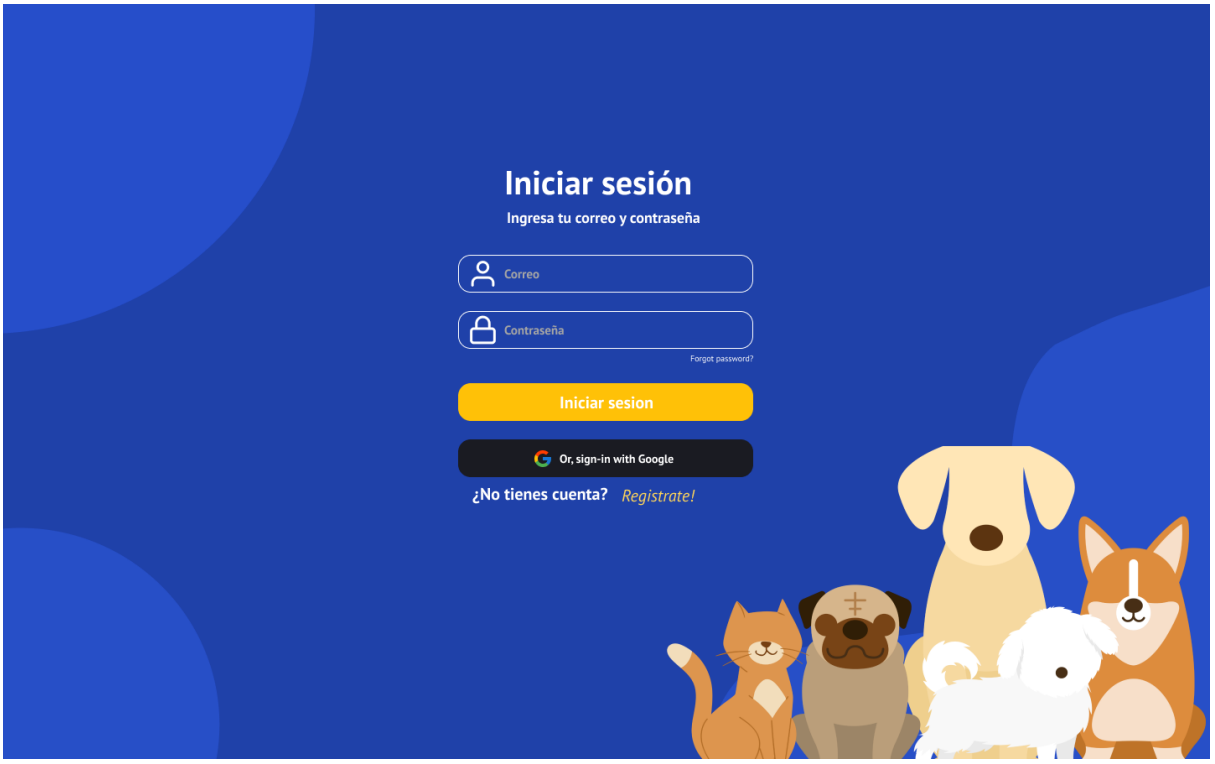
2.6 Apportioning of requirements

In chapter 3, section 7: Organizing the specific requirements, the prioritization of each requirement and at what time they will be implemented will be looked at in greater depth.

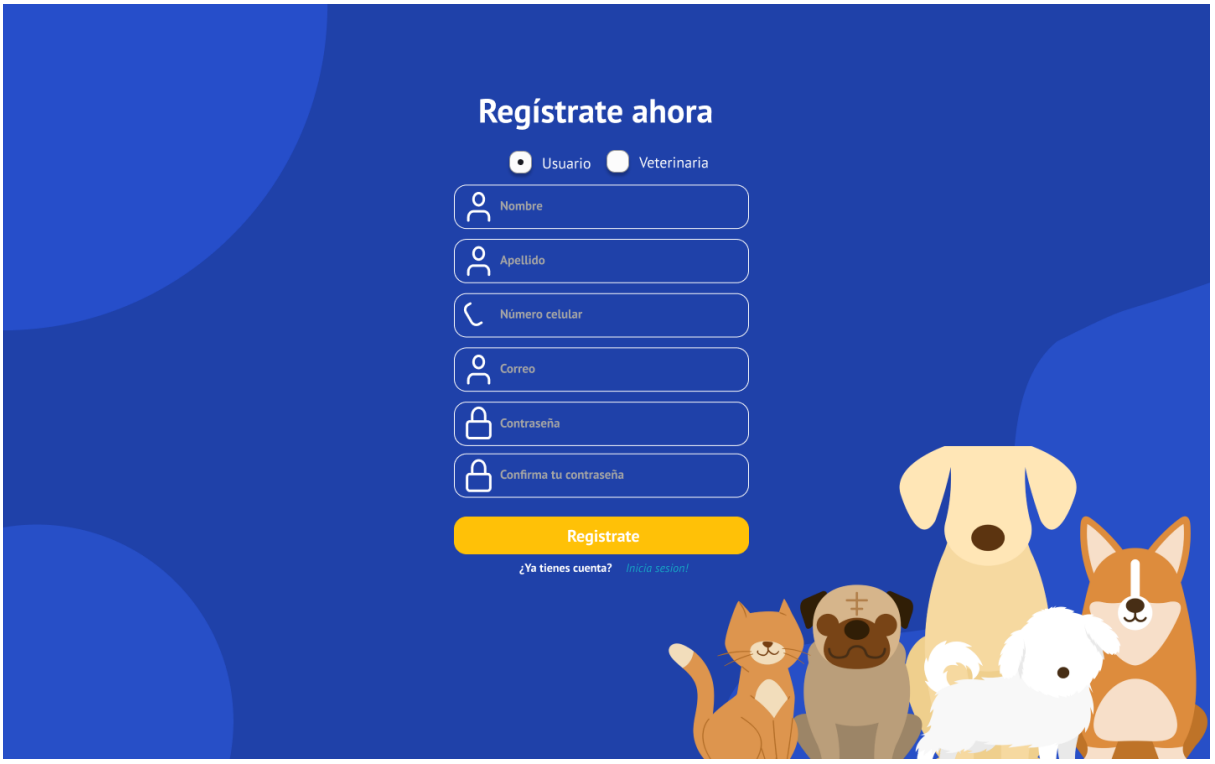
3 Specific requirements

3.1 External interfaces

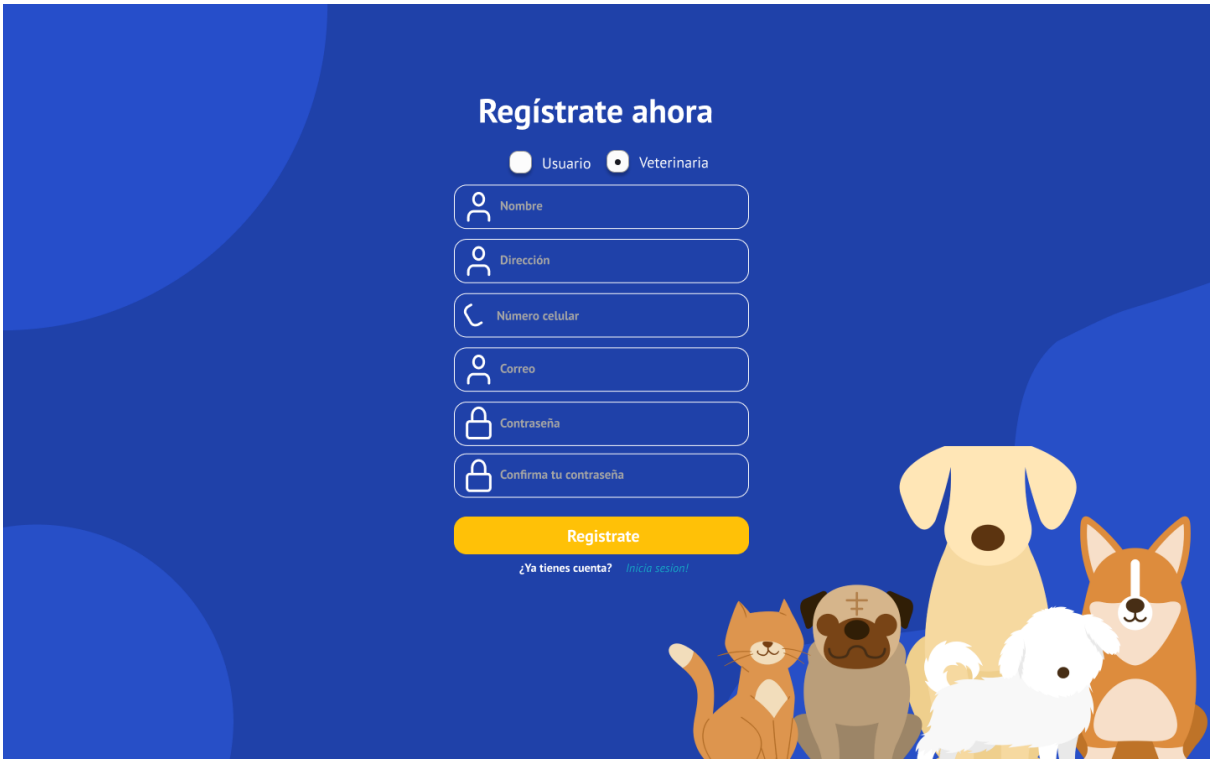
3.1.2 Login



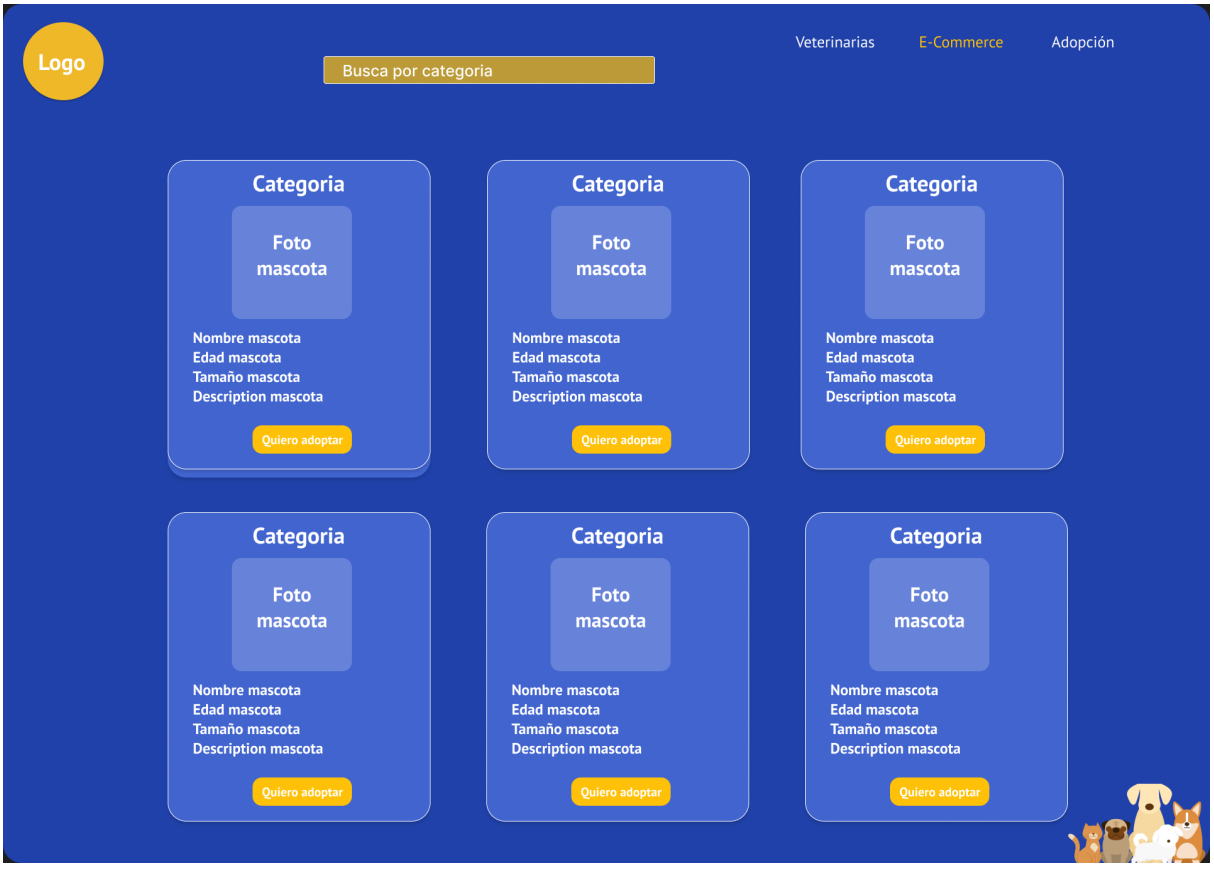
3.1.2 User register



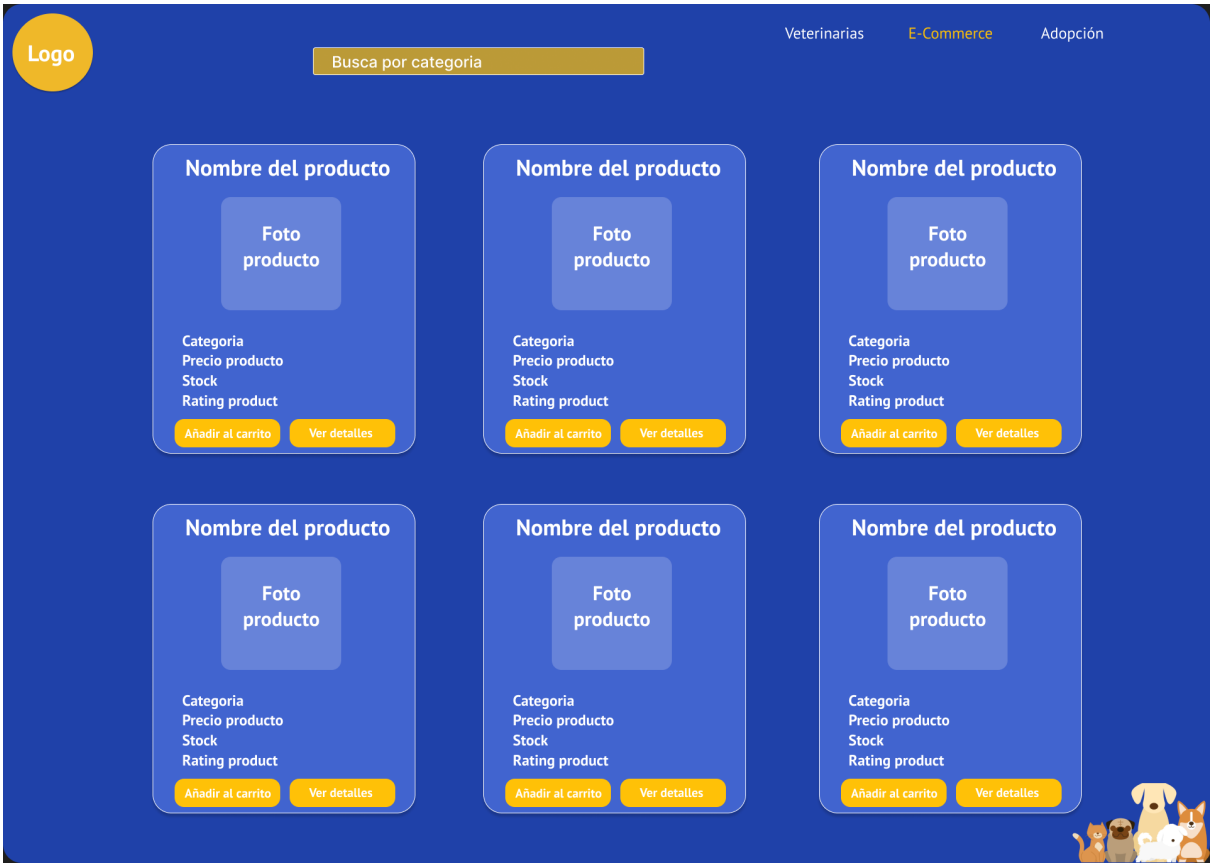
3.1.3 Veterinaries register



3.1.4 Adoption

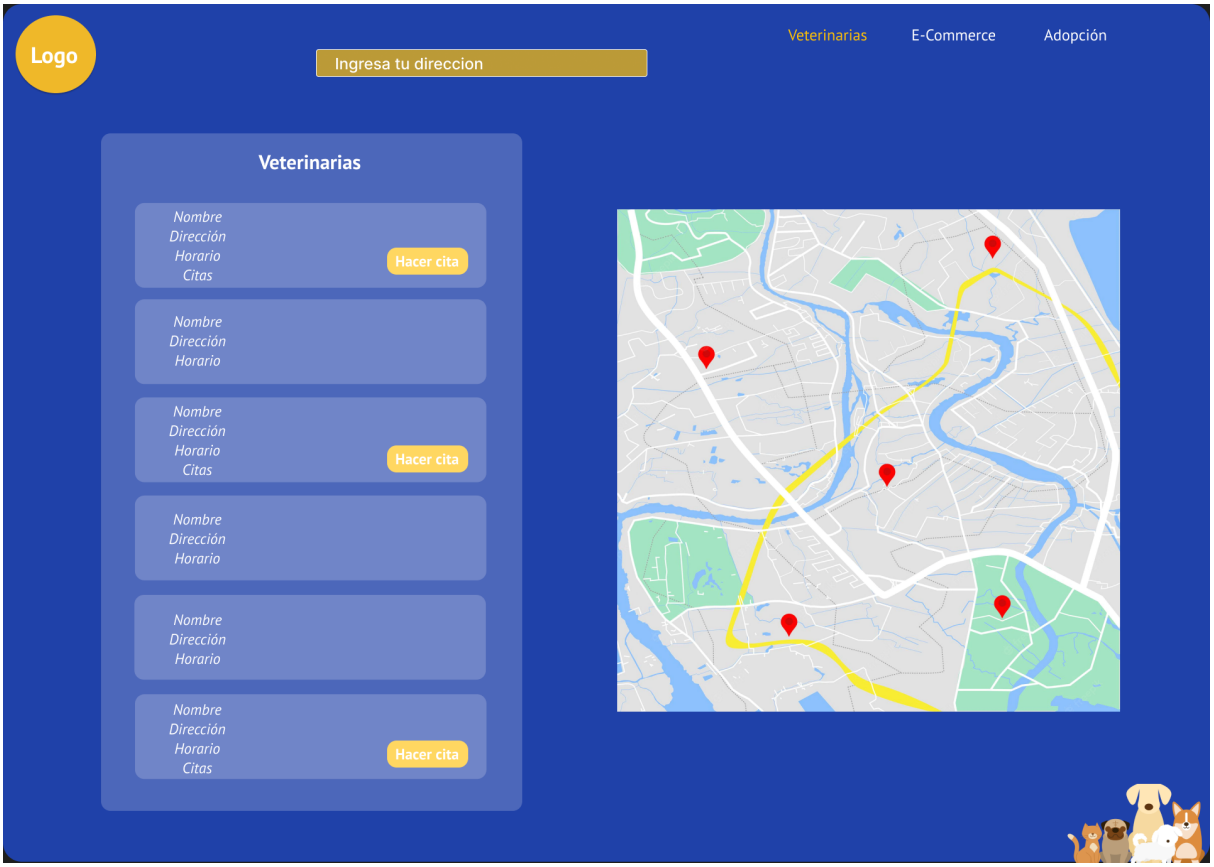


3.1.4 E-Commerce

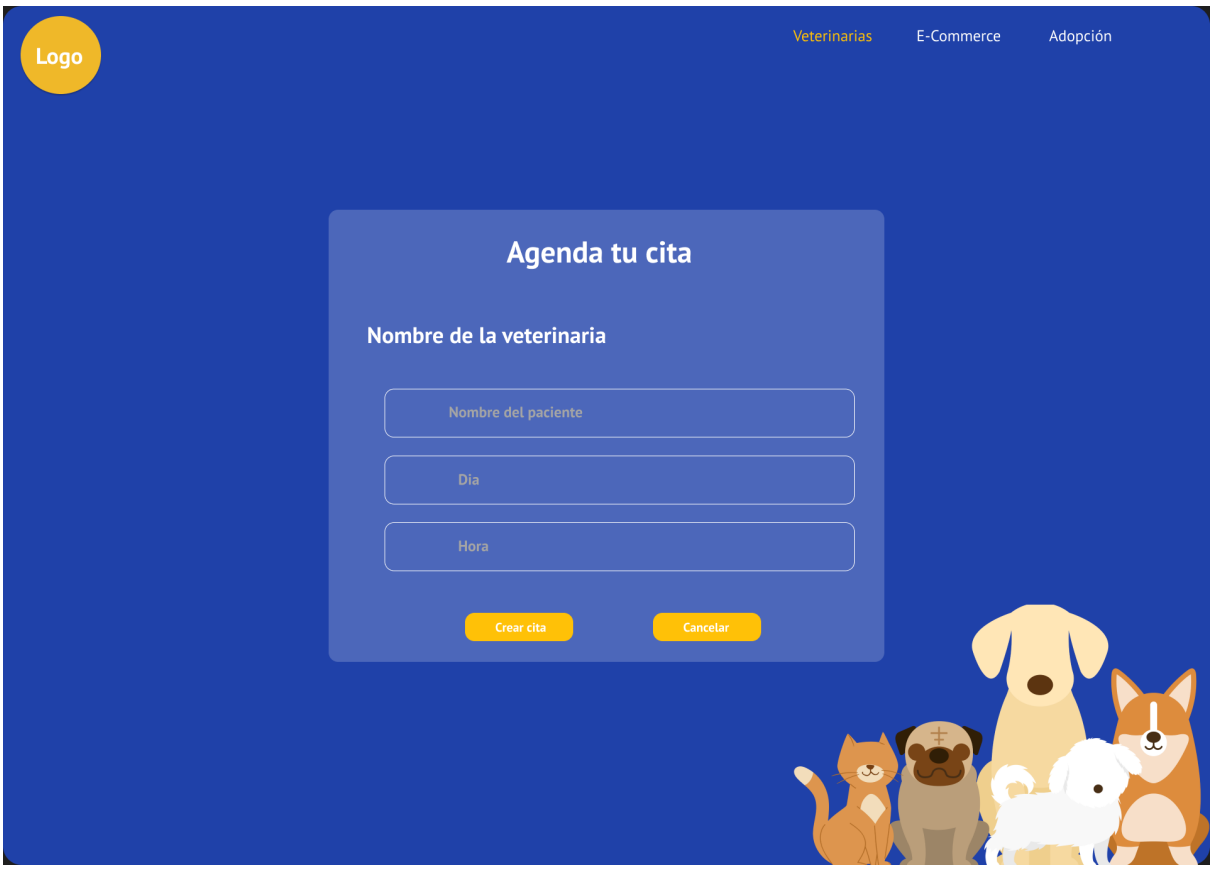


3.1.5 E-Commerce/Product

3.1.6 Veterinaries



3.1.7 Veterinaries/Appointment



3.2 Functions

- Requirements ID

Users symbology:

C	Customer
S	Staff
VU	Veterinaries user

Process Symbology:

UL	User
V	Veterinaries
PEA	Pet adoption
EC	E-Commerce

3.2.1 User login

Number	C_UL_001
Use case	User login
Actor	Customer
Pre-condition	Be connected to the internet. Must be registered in the database in the “Users” table.
Main scenario	1. The user opens the system. 2. The user enters his username and password. 3. If the user wants to use his Google account, he clicks on the Google button. 4. Click on the button “Login”. 5. The system does the authentication. 6. The main page opens.
Alternative scenario	1. Incorrect username or password. 2. The system asks to try again.
Post-condition	The customer now has access to system functions.

3.2.2 User register

Number	C_UL_002
Use case	Veterinaries log in
Actor	Customer
Pre-condition	Be connected to the internet. Must be registered in the database in the “Users” table.
Main scenario	1. The user must create an account and fill out the form where the user data is registered. 2. The data is saved in the database in the "Users" table.
Alternative scenario	1. Data requirements do not match. 2. The system displays a message about the problem so that the customer can change it.
Post-condition	The user is created and now you can log in with your username and password.

3.2.3 Veterinaries login

Number	VU_UL_003
Use case	Veterinaries login
Actor	Veterinaries user
Pre-condition	Be connected to the internet. Must be registered in the database in the “Veterinaries” table.
Main scenario	1. The user opens the system. 2. The user enters his username and password. 3. The system does the authentication. 4. The main page opens.
Alternative scenario	1. Incorrect username or password. 2. The system asks to try again.
Post-condition	The system is accessed.

3.2.4 Veterinaries register

Number	VU&S_UL_004
Use case	Veterinaries login
Actor	Veterinaries user Staff
Pre-condition	Be connected to the internet.
Main scenario	1. The user must create an account and fill out the form where the user data is registered. 2. The data is saved in the database in the "Veterinaries" table.
Alternative scenario	1. Data requirements do not match. 2. The system displays a message about the problem so that the customer can change it.
	1. The register was not validated. 2. The record is not created.
Post-condition	The user is created and now you can log in with your username and password.

3.2.5 Staff register

Number	S_UL_005
Use case	Staff register
Actor	Staff
Pre-condition	Be connected to the internet. Must be registered in the database in the “Staff” table.
Main scenario	1. The user opens the system. 2. The user enters his username and password. 3. The system does the authentication. 4. The main page opens.
Alternative scenario	1. Incorrect username or password. 2. The system asks to try again.
Post-condition	The system is accessed.

3.2.6 Search location

Number	C_V_006
Use case	Veterinaries
Actor	Customer
Pre-condition	Be connected to the internet. Be logged in.
Main scenario	1. The user enters the "Veterinaries" function. 2. The user types their location. 3. The system shows the vets near your location.
Alternative scenario	Location not found.
Post-condition	The user can view on a map all the veterinarians near his location and choose the one of his preference.

3.2.7 Appointment

Number	C_V_007
Use case	Veterinaries
Actor	Customer
Pre-condition	Being in the function "Veterinaries". Have to put your location.
Main scenario	1. The user selects the veterinarian of his choice. 2. Click on the "Appointment" button. 3. Select the time and day of your preference. 4. Click on the "Reserve" button.
Alternative scenario	Failed to reserve. The system asks the user to re-enter the data.
Post-condition	The appointment was created and reserved for the user. The appointment is saved in the database.

3.2.8 Give a rating

Number	C_V_008
Use case	Veterinaries
Actor	Customer
Pre-condition	Select a veterinarian.
Main scenario	The user clicks on one of the rating options (between 1 and 5).
Alternative scenario	1. The rating is not saved. 2. User re-rates it
Post-condition	The rating is save in the database in the “Veterinaries” table

3.2.9 Post a review

Number	C_V_009
Use case	Veterinaries
Actor	Customer
Pre-condition	Select a veterinarian.
Main scenario	1. The user clicks the "Review" button. 2. The user writes a comment. 3. The user clicks the "Save" button.
Alternative scenario	1. The review is not saved. 2. The system displays an error message.
Post-condition	The review is save in the database in the “Veterinaries” table.

3.2.10 Adoption post

Number	C&S_PEA_010
Use case	Post adoption Staff
Actor	Customer
Pre-condition	Be connected to the internet. Be logged in.
Main scenario	1. The user clicks on the "Adoption" feature. 2. User clicks "Create Post" button 3. The user writes their post. 4. The user clicks the "Create" button. 5. Your publication is validated by the Staff.
Alternative scenario	1. Post was not created. 2. The system displays an error message.
	1. The post was not validated. 2. The post is not published.
Post-condition	Post was created. The post is save in the database in the “Adoption” table.

3.2.11 Search pet

Number	C_PEA_011
Use case	Pet adoption
Actor	Customer
Pre-condition	Being in the function "Adoption".
Main scenario	1. The user clicks on the "Adopción" feature. 2. The user uses the browser. 3. The user uses the filter to find the pet (filter options: cat, dog, rodents, birds).
Alternative scenario	1. The requested pet is not in the inventory. 2. The system displays an error message.
Post-condition	The system displays existing pets for adoption.

3.2.12 Apply to adopt

Number	C_PEA_012
Use case	Pet adoption
Actor	Customer
Pre-condition	Being in the function "Adoption".
Main scenario	1. The user selects a pet. 2. The user clicks the "Adopt" button. 3. The system displays the data of the pet's owner.
Alternative scenario	1. The system does not display the data. 2. The user clicks the button again.
Post-condition	1. The user sees the new person's data and contacts him. 2. The user closes the tab.

3.2.13 Add new products

Number	S_EC_013
Use case	E-Commerce products
Actor	Staff
Pre-condition	Have all of the product data in order to add it
Main scenario	1. The staff clicks on the “Admin” button. 2. The staff locates on the products tablet. 3. The staff selects the add “New product” button. 4. The staff clicks on “Confirm”.
Alternative scenario	1. The product already exists. 2. The product is nota added.
Post-condition	1. The product is added. 2. The new product register is stored in the database 3. It is displayed on the page.

3.2.14 Remove products

Number	S_EC_014
Use case	E-Commerce products
Actor	Staff
Pre-condition	Select an added product
Main scenario	1. The staff clicks on the “Admin” button. 2. The staff selects the product tablet. 3. The staff clicks on “Remove product”. 4. The staff clicks on “Confirm”.
Alternative scenario	1. The product cannot be removed. 2. The system displays an error message.
Post-condition	The selected product is erased from the database ando the E-commerce system.

3.2.15 Edit products

Number	S_EC_015
Use case	E-Commerce products
Actor	Staff
Pre-condition	Select a product
Main scenario	1. The staff clicks on the “Admin” button. 2. The staff selects the product tablet. 3. The staff clicks on “Edit product”. 4. The staff clicks on “Confirm”.
Alternative scenario	1. The product cannot be edited. 2. The system displays an error message.
Post-condition	The selected product is edited from the database.

3.2.16 Reply a review

Number	S_EC_016
Use case	E-Commerce products
Actor	Staff
Pre-condition	Select a published review.
Main scenario	1. The Staff clicks on the "Reply review" button. 2. The Staff writes a comment. 3. The Staff clicks the "Save" button.
Alternative scenario	1. The reply is not saved. 2. The system displays an error message.
Post-condition	Reply was created. The reply is saved in the database in the “Products” table.

3.2.17 Search product

Number	C_EC_017
Use case	E-Commerce
Actor	Customer
Pre-condition	Being in the function "E-Commerce".
Main scenario	1. The user uses the browser. 2. The user uses the filter to find the products.
Alternative scenario	1. The requested product is not in the inventory. 2. The system displays an error message.
Post-condition	The system displays existing products.

3.2.18 Make an order

Number	C_EC_018
Use case	E-Commerce
Actor	Customer
Pre-condition	The system needs to have listed products in the “E-Commerce” section.
Main scenario	1. The customer selects a product. 2. The customer clicks on “Add to order”.
Alternative scenario	1. The products selected by the customer aren´t in stock. 2. The system displays a message that says “This product is not available”.
Post-condition	An order of products is made and stored in the database.

3.2.19 Pay

Number	C_EC_019
Use case	E-Commerce
Actor	Customer
Pre-condition	The customer needs to have at least an existing order. The customer needs to have a credit card or debit card, it can be digital or physical.
Main scenario	1. The customer confirms his existing order. 2. The customer clicks on “Proceed to pay”. 3. The system connects the customer to the payment API. 4. The customer enters his payment data. 5. The customer clicks on “Confirm payment”.
Alternative scenario	1. The payment can´t be done because of lack of money on the card or the payment account. 2. The system displays a “The payment couldn´t be processed” message.
Post-condition	The payment is done and validated by the payment API, the order is turned into a customer purchase.

3.2.20 Give a rating

Number	C_EC_020
Use case	E-Commerce
Actor	Customer
Pre-condition	Have used an ecommerce service
Main scenario	1. The customer selects a product or service. 2. The customers click the “Give us a rating” button. 3. The customer rates the service or product.
Alternative scenario	1. The system is not rated and the services, products, etc, do not have ratings. 2. The system displays a message that says “This product or service is not rated yet”.
Post-condition	The E-commerce used by the customer is now rated.

3.2.21 Post a review

Number	C_EC_021
Use case	E-Commerce
Actor	Customer
Pre-condition	An objective is needed, a product to evaluate, the staff services or the e-commerce interface
Main scenario	1. The customer selects a product or service. 2. The customer clicks on the “Write a review button”. 3. The customer writes the review and click on “Post” button.
Alternative scenario	1. The services are not reviewed and do not have opinions about them. 2. The system displays a message that says “This product or service is not reviewed yet”.
Post-condition	E-commerce has reviews that describe the offered services.

3.2.22 Cancel order

Number	C_EC_022
Use case	E-Commerce
Actor	Customer
Pre-condition	Have a pending order and selected it
Main scenario	1. The customer selects an existing order made by him. 2. The customer clicks on the “Cancel order” button. 3. The customer confirms the cancelation by clicking the “Confirm” button
Alternative scenario	1. The order is canceled by the system if the product leaves the stock. 2. The system displays an “Error” message.
Post-condition	The existing order is canceled by the customer, so his order history is cleaned.

3.2.23 Modify order

Number	C_EC_022
Use case	E-Commerce
Actor	Customer
Pre-condition	Have a pending order
Main scenario	1. The customer clicks on the “Orders” button. 2. The customer clicks on “Modify order” 3. The customer modifies the order data. 4. The customer clicks on “Confirm changes”.
Alternative scenario	1. The order data is not modified. 2. The system displays an “Error” message.
Post-condition	The order is modified and the changes are stored in the database.

3.3 Performance requirements

Ensure that the design of queries or other processes does not affect database performance or significantly database performance, nor significantly affect network traffic.

3.3.1 Response time

Number	PR001
Name	Response time
Description	95% of system transactions should take less than one minute. When performing a process it should not affect the other system functionalities.

3.3.2 Capacity

Number	PR002
Name	Capacity
Description	The capacity of the system shall be 70 visits in one minute.

3.3.3 User interface

Number	PR003
Name	Interface
Description	User interface screen will respond within 3 seconds.

3.3.4 Design

Number	PR004

Name	design
Description	The system design must be interactive and user friendly.

3.3.5 Database

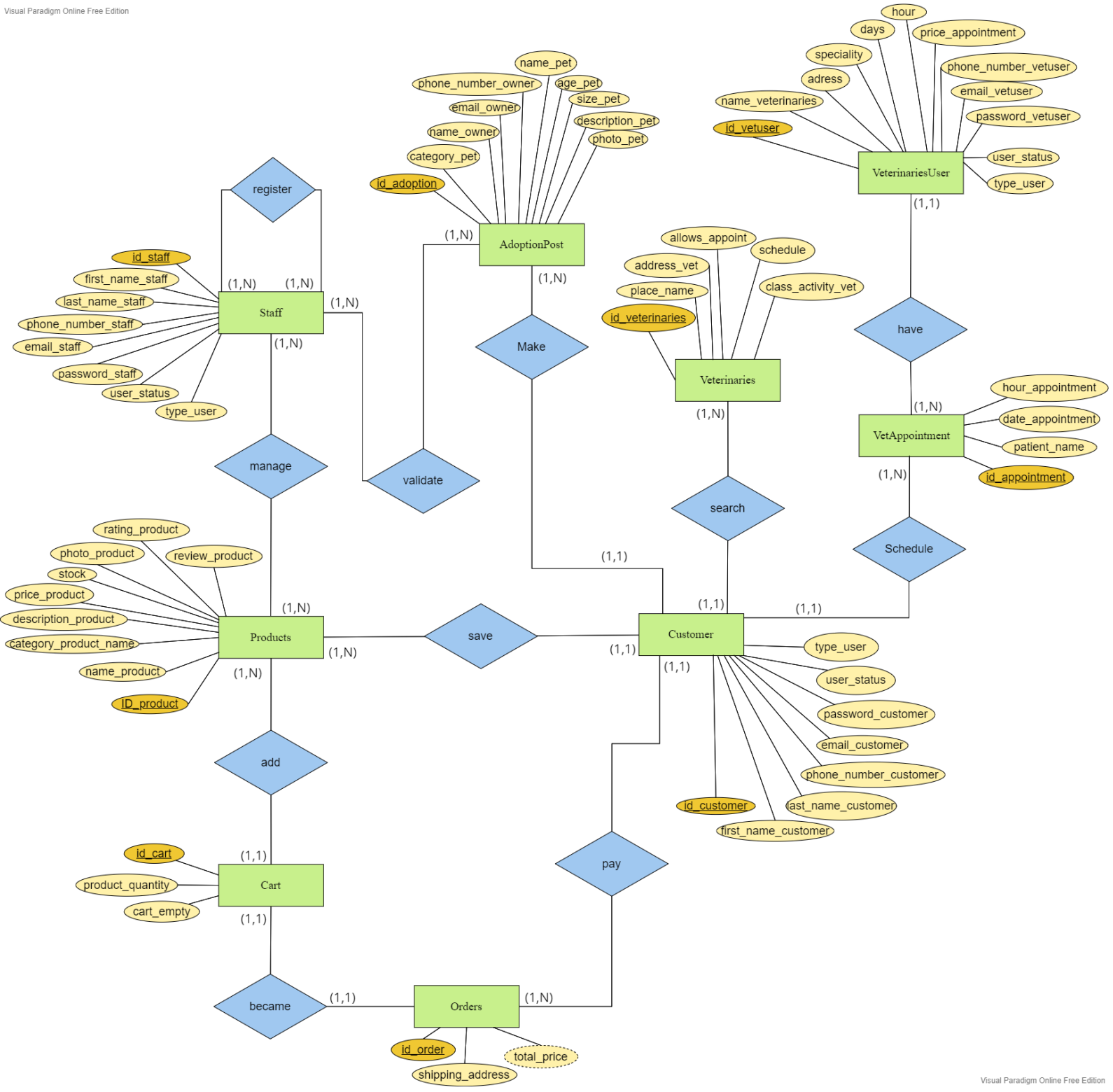
Number	PR005
Name	Database
Description	there will be an ordered relational database, that is going to contain all the documents the spaces needed and specified in the section called logical database requirements

3.3.6 Login

Number	PR006
Name	login
Description	Allows entering username and password to log in, warns when the user does not exist, helps the user to choose secure passwords, limits the number of times the user can log in, allows the user to choose secure passwords, limits the number of times the user can log in.

3.4 Logical database requirements

Entity-relationship diagram



Description

Entity-relationship description		
Entities	*Attributes*	*Relationships*
Staff	**Id_staff:** Serves to identify all of the staff members, this is the primary key for the staff table.	**Staff:** A staff member can add more staff members
	first_name_staff: Each staff member has to indicate his first name.	**AdoptionPost:** One staff member or more can validate one or many Adoption posts.
	last_name_staff: Each staff member has to indicate his last name.	**Products:** One or more staff members can add one or more products.
	phone_number_staff: Stores the phone number of this user.	
	email_staff: Stores the staff user email.	
	password: Stores the staff account password.	
	user_status: Stores the account status, active if the user is logged or inactive if not.	
	type_user: Stores the specific type of usted, in this case it is a staff user.	
Entities	*Attributes*	*Relationships*
Customer	**Id_customer:** Serves to identify every customer, this is the primary key for the customer table.	**Products:** A customer can search one or more Products.

	first_name_customer: Each customer has to indicate his first name.	**Orders:** A customer pays one or more Orders.
	last_name_customer: Each customer has to indicate his last name.	**AdoptionPost:** A customer can make one or more AdoptionPosts
	phone_number_customer: Stores the phone number of this user.	**VetAppoinment:** A customer can schedule one or more VetAppointments.
	email_staff: Stores the customer user email.	**Veterinaries:** A Customer can search one or more Veterinaries.
	password_customer: Stores the customer account password.	
	user_status: Stores the account status, active if the user is logged or inactive if not.	
	type_user: Stores the specific type of usted, in this case it is a customer user.	
Entities	*Attributes*	*Relationships*
Veterinaries User	**Id_vetuser:** Serves to identify every vet user, this is the primary key for the VeterinariesUser table.	**VetAppoinmet:** One VeterinariesUser manages one or more VetAppointments.
	name_veterinaries: this user needs to specify the Veterinary's name that he is signing up.	

	address: Stores the veterinary address, indicated by this type of user.	
	speciality: Stores the veterinary speciality, operations, pet general care, etc.	
	days: Stores the days that the veterinary is working.	
	hour: Stores the hours/schedule that the veterinary works.	
	phone_number_vetuser: Stores the phone number of the veterinary clinic.	
	email_vetuser: Stores the veterinary clinic email.	
	password_vetuser: Stores the vet user account password.	
	user_status: Stores the account status, active if the user is logged or inactive if not.	
	type_user: Stores the specific type of user, in this case it is a veterinary user.	
Entities	*Attributes*	*Relationships*
Veterinaries	**Id_veterinaries:** Serves to identify every veterinary found by the Maps API, this is the primary key for the Veterinaries table.	**Customer:** One or more Veterinaries can be searched by a Customer.
	place_name: Stores the veterinary name. Lo	

	address_vet: Stores the address of where the veterinary clinic is located.	
	schedule: Stores the general schedule of the vet clinic.	
	class_activity_vet: Stores all of the services that the clinic offers.	
Entities	*Attributes*	*Relationships*
AdoptionPost	I**d_adoption:** Serves to identify every adoption post created by the customer, this is the primary key for the AdoptionPost table.	**Staff:** One or more AdoptionPosts are validated by one or more Staff members.
	category_pet: Stores the specific type of pet that it's posted for adoption, (Dogs, Cats,Rodents and Birds).	**Customer:** One or more AdoptionPosts can be done by a Customer
	name_owner: Stores the name and last name of the pet's owner.	
	email_owner: Stores the owner's email to contact him.	
	phone_number_owner: Stores the owner's phone number, it can be cell phone or local.	
	name_pet: Stores the name of the pet that is posted for adoption.	
	age_pet: Stores the age of the pet.	

	size_pet: Stores the pet size in cm.	
	description_pet: It serves to describe all of the main pet features, like the race, color, etc.	
	photo_pet: A photo to identify the pet.	
Entities	*Attributes*	*Relationships*
VetAppoinment	**Id_appointment:** Serves to identify every appoinment for a specific vet clinic, generated by the customer, this is the primary key for the VetAppoinment table.	**Customer**: One or more VetAppointments can be scheduled by a customer.
	patient_name: Stores the name of the pet that will recive the treatment.	**VeterinariesUser**: One or more VetAppointments are managed by a VeterinariesUser
	date_appointment: Stores the exact date of the appoinment, day/month/year.	
	hour_appointment: Stores the intended hour for the appoinment.	
Entities	*Attributes*	*Relationships*
Products	**ID_product:** Serves to identify every product, this is the primary key for the Products table.	**Staff:** One or more products are added by one or more staff members.
	name_product: Every product needs to have a name.	**Customer:** One or more Products can be searched by a Customer.

	category_pet_name: Every product belongs to a specific sub-category, based on the pet that needs it.	**Cart:** One or more Products can be added into an only Cart.
	category_product_name: Products belong to a general category, like clothes, food, etc.	
	description_product: All of the products need to have a detailed description, explaining what they are.	
	price_product: Products need to have an established price.	
	stock: This indicates if the product is available by its quantity.	
	photo_product: All of the products need to have a proper picture, to help the customer to visualize what he is searching for.	
	rating_product: Users can rate the products, based on an evaluation system from 1-5 (pretty Bad, Bad, regular, good, excellent).	
	review_product: Users can give reviews to the products, it is just a short comment.	
Entities	*Attributes*	*Relationships*
Cart	**Id_cart:** Serves to identify every cart that contains products added by the customer, this is the primary key for the Cart table.	**Orders:** A Cart can become one Order.

	product_quantity: Stores the quantity of products added by the customer.	**Products:** A Cart contains or more Products
	cart_empty: Stores a simple value, yes if the cart doesn't have any products on it, or no if the cart has at least one product.	
Entities	*Attributes*	*Relationships*
Orders	**Id_Orders:** Serves to identify every order generated saved by the customer, this is the primary key for the Orders table.	**Customer**: One or more orders can be paid by one Customer.
	total_price: Stores the total price of the product(s) that are going to be sold, this value will be calculated by the product´s price.	**Cart**: An Order is made from a Cart.
	shipping_address: Stores the customer address, where the products will be delivered.	

3.5 Design Constraints

Some of the design constraints analyzed and detected for this application were the following:

Time: Originally, the idea was that this system, along with the recommendation of veterinarians, would keep a digital file of your pets associated with the veterinarians registered on our platform, this in order that wherever you take your pet, the medical follow-up that he receives is given the right one according to his condition.

This idea was discarded from the first version of the program mainly for time reasons, but it will be taken as a scalability option for later versions of the system.

3.6 Software system attributes

3.6.1 Reliability

The system controls all your processes and has a simple interface that is easy to understand.

3.6.2 Availability

The availability of the system must be continuous with a level of service for users of 7 days for 24 hours, guaranteeing an adequate scheme that allows the possible failure in any of its components, if there is any power failure or internet you can access the system wherever it is from another device with internet.

3.6.3 Security

Our system protects user information and no person outside the system has access to it.
Our system encrypts the passwords of each user to prevent any information theft.
We manage online payment methods with a secure API.

3.6.4 Maintainability

The system must have detailed documentation where it explains each part of the system, this making it easier to perform maintenance without problems.

3.6.5 Portability

The system must be able to run on any device with internet access.

3.7 Organizing the specific requirements

User	
Requirement	*Priority*
User login	High

User register	High

Veterinaries	
Requirement	*Priority*
Veterinaries login	High
Veterinaries register	High
Search location	High
Appointment	Medium
Give a rating	Low
Post a review	Low

Pet adoption	
Requirement	*Priority*
Adoption post	High
Search pet	High
Apply to adopt	High

E-Commerce	
Requirement	*Priority*
Add new products	High
Remove products	High
Edit products	High
Reply a review	Medium
Search product	High
Make an order	High
Pay	High
Give a rating	Medium

Post a review	Medium
Modify order	Low
Cancel order	Medium

4 Supporting information

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4.2 Appendixes

4.2.1 Interviews

	Actores
	Procesos
	Sujetos (partes del sistema)
	Casos de uso
	Condiciones
	Objetos de sistema

4.2.1.1 Interview 1

Encargado: Vianey Martinez Olague

Entrevista Médico veterinaria zootecnista 12/10/22

Vianey: Puedes empezar diciendo tu nombre y a qué te dedicas

Doctora: Jaqueline Gallegos Sáez, soy médico veterinaria zootecnista con una especialidad en medicina y cirugía de pequeñas especies, gatos y perros.

Vianey: El hospital en el que estás trabajando cuenta con un sistema de citas para atender mascotas?, citas en general
Doctora: Contamos con un sistema pero no es sobre citas específicas porque como somos un hospital 24 horas donde se reciben urgencias, no es posible tener un tiempo apartado para cada uno, solo se da un breve tiempo por ejemplo si yo cito a un paciente y le dijo: nos vemos la semana que entra el martes y puedes venir de 2-5, no hay cita específica porque realmente no tenemos control de la a urgencias, por ejemplo si llega un paciente que yo lo cite a las 2 pero si llega otro paciente que es urgente pues yo paso primero al urgente por eso no tenemos algo establecido.

Vianey: Tienen mascotas en adopción?
Doctora: En este momento no, pero sí hemos tenido pacientes que han sido abandonados y los damos en adopción, pero en este momento y como tal que aceptemos en adopción no.

Vianey: Cuando han tenido esas situaciones sobre dar mascotas en adopción, que requisitos piden para dar en adopción?
Doctora: Generalmente son pacientes abandonados que empezaron con algún tipo de tratamiento entonces se les pide que paguen un porcentaje del tratamiento , si es un paciente sano, se pide que dejen al menos 2 vacunas pagadas para asegurar que si vendrá a su vacunación o que paguen la esterilización.

Vianey: En caso de que tuvieran alguna cita, ya sea por ejemplo operación o tratamiento estético, piden algunos requisitos para hacer esa cita o no hacen citas para nada?
Doctora: Para las citas de esterilización si se puede hacer una cita y requisitos del propietario no se piden tanto, sería más a la mascota pues que venga en ayunas, que tenga su esquema de vacunación completo y pues nada más.

Vianey: Se necesitan permisos para que ustedes puedan vender y distribuir medicamentos?
Doctora: Que yo sepa si, no te sabría decir exactamente cuáles permisos pero si se necesitan, se necesitan recetas cuantificadas para vender medicamentos especiales y para administrar también

Vianey: Ustedes cuentan con un servicio de estética?
Doctora: No, nosotros somos solo hospital, no atendemos nada estético.

Vianey: Bueno esas serían todas nuestras preguntas Jaqueline, te agradecemos tu tiempo
Doctora: Gracias bonito día

4.2.1.1 Interview 2

1. Como rescatistas, se encuentran asociados con algunas veterinarias que les ofrecen un precio más bajo por su labor ?¿Cómo es que llegan a esas veterinarias ?

   Entrevistada: empezamos con una veterinaria, conforme nos dimos a conocer en el mercado más veterinarias comenzaron prestarnos sus servicios, actualmente trabajamos con cuatro veterinarias.

   Entrevistador: ¿cómo se contactaron con ellos?
   Entrevistada: la veterinaria con la que empezamos a trabajar fue star Pet, desde niña traía mis mascotas a dicha veterinaria las cuales eran perros, gatos y una chiva, luego empeze a rescatar todo tipo de animales, por lo que el veterinario me empezó a dar el crédito en cuanto al cuidado de dichas mascotas. las demás veterinarias se comunicaron con nosotros para ofrecer sus servicios por ser rescatistas independientes

2. ¿Suele realizar cita antes de acudir con algún nuevo animalito a la veterinaria?

   Entrevistada: debido a que tengo muchas mascotas tengo que programar mi tiempo para cada visita, porque tengo que estar al pendiente de cada animalito, a cuales les toca su vacuna y así traer a varios en un solo día.
   La cita la hago solo para esterilización, consultas y casos graves, el horario de consultas de Star Pet es de 10:00am a 4:00pm. Las consultas, rayos x, ultrasonidos e internamiento los hago en star Pet.
   En lo que se refiere a esterilización lo hago en Clínica de Esterilización Especializada porque es más económico y en Star Pet maneja los precios por peso de cada animal por ende es más caro
   En Pedro Rosales de León manejo pura estética y baños porque es más económico que en las otras veterinarias, me tengo que acomodar donde llevar a cada uno.

   para corte de pelo y estética no hago cita, les mando mensaje por whatsapp o les marco explicando el servicio que requiere el animalito y por lo general el veterinario me dice que los lleve al momento, pero casi siempre ahí hacen cita.

3. En su página viene información sobre cómo la gente puede realizar donaciones, las donaciones como croquetas o medicamento, la reciben en star pets, cierto ? Suele existir un desbalance muy amplio entre los artículos que reciben?

   Entrevistada: en las cuatro veterinarias reciben los donativos que la gente lleva como cosas para vender en la segunda, los donantes deben especificar qué va a hacer

una donación para rescatistas independientes les hacen un recibo a los donantes y esto ayuda para que a los recatistas les bajen la cuenta.

la gente apoya más con cosas para vender en las segundas por este motivo los recastistas siempre piden croquetas, apoyan también con botes de aluminio, fierros para vender por kilo

4. Esto lo menciono para preguntarle si consideraba útil que dentro de la plataforma existiera algún indicador, una señal (icono, gráfica, imagen) que le diga a los donantes que es lo que más les hace falta?

   Entrevistada:Sí sería útil Lo principal que deberían solicitar seria las croquetas sin que exista distinción de marcas, también es importante que los donantes donen latas de comida para gatos y arena para gatos que es lo más necesario y en segundo lugar está lo económico ya que esto le ayuda a bajar las cuentas en las veterinarias para seguir ayudando a la gente a esterilizar principalmente a las perras, patrocinando una estilizada de 400 pesos para que lleven a la mascota y esto se queda en su cuenta.

   cuando nos hacen transferencias pedimos que nos manden el ticket para saber si realmente nos llegó porque hay personas que dicen haber depositado cierta cantidad y quieren saber en qué se gastó ese dinero, le preguntó al donante si quiere que su donativo sea publicado, algunos dicen que no y otros dicen sí pero que lo ponga a nombre de sus perros.

5. ¿Cuáles consideran que son aspectos claves en una adopción tanto para la persona que da como la que recibe un animalito ? Que cosa no podemos olvidar de ese proceso ?

   Siempre las cosas mas importantes serian, por ejemplo: revisar que sea en casa propia, en rentadas suelen después cambiarse y para no batallar, dejan abandonados a los animalitos o, otra seria el ver si tienen o han tenido otros animalitos y por qué causas ya no los tienen, yo preferentemente les aconsejaria que si van a dar en adopción que sea a un lugar donde no haya niños muy chiquitos, por luego no saben tratar aun a los animalitos y si alguno llega a rasguñar o morder al nene, pues los adultos deciden sacar al animal por la agresión o llegan al punto de maltratarlos.
   Otro punto importante, es que no los den con promesa de esterilización, porque muchas personas ya no lo hacen, si puedes acompañarlos a una veterinaria para que operen al animalito y si lo cuidan bien durante su recuperación es buen indicador.

6. ¿Qué es lo que se necesita esencialmente además de croquetas, arena para gato y donaciones monetarias ?

Entrevistada: Otra de las cosas que necesitamos bastante es periodico y articulos para limpieza, protectores para las jaulas, además de medicamentos, aunque no sean para uso veterinario, en medicamento utilizamos metamizol sódico en pastillas o jarabe, amoxicilina, doxiciclina, prednisona y sedavixina. Utilizo diariamente uno o dos costales de croquetas, aprox. 35 kilos.

4.2.1.2 Interview 3

By: Paul Alonso Hernández Holguín
Interviewed subject: Veterinary student Paola Rosales

Paul: ¿Qué procesos generales y comunes se realizan en las veterinarias?

Paola: Comenzamos con lo que vendría siendo una anamnesis, que es preguntarle al propietario de la mascota porque viene principalmente y dependiendo de eso vamos haciendo preguntas por ejemplo si el paciente o el animal viene con vómito preguntamos cuántas veces al día vomita, si ha estado comiendo bien y así.

Paul: Siguiente pregunta, ¿Qué tipo de mascotas son más atendidas en las veterinarias?

Paola: Pues comúnmente son lo que vendrían siendo perros

Paul: Okay, siguiente pregunta, ¿qué mascotas puedes adoptar con más facilidad

Paola: Igual, perros y gatos

Vianey: ¿Cada veterinaria se especializa en cierto tipo de mascotas o hay veterinarias que atienden otras mascotas, hay veterinarias que atienden perros y gatos o necesitan algún permiso?

Paola: Pues es que dependiendo de en lo que se especialice el veterinario, se puede especializar en lo que son especies exóticas, que vendrían siendo reptiles, cuyos, hámsters, aves, entonces las más comunes son las de perros y gatos.

Paul: En base a eso, que tipos de productos pueden necesitar las personas para sus mascotas, de manera general que es lo que utilizan?

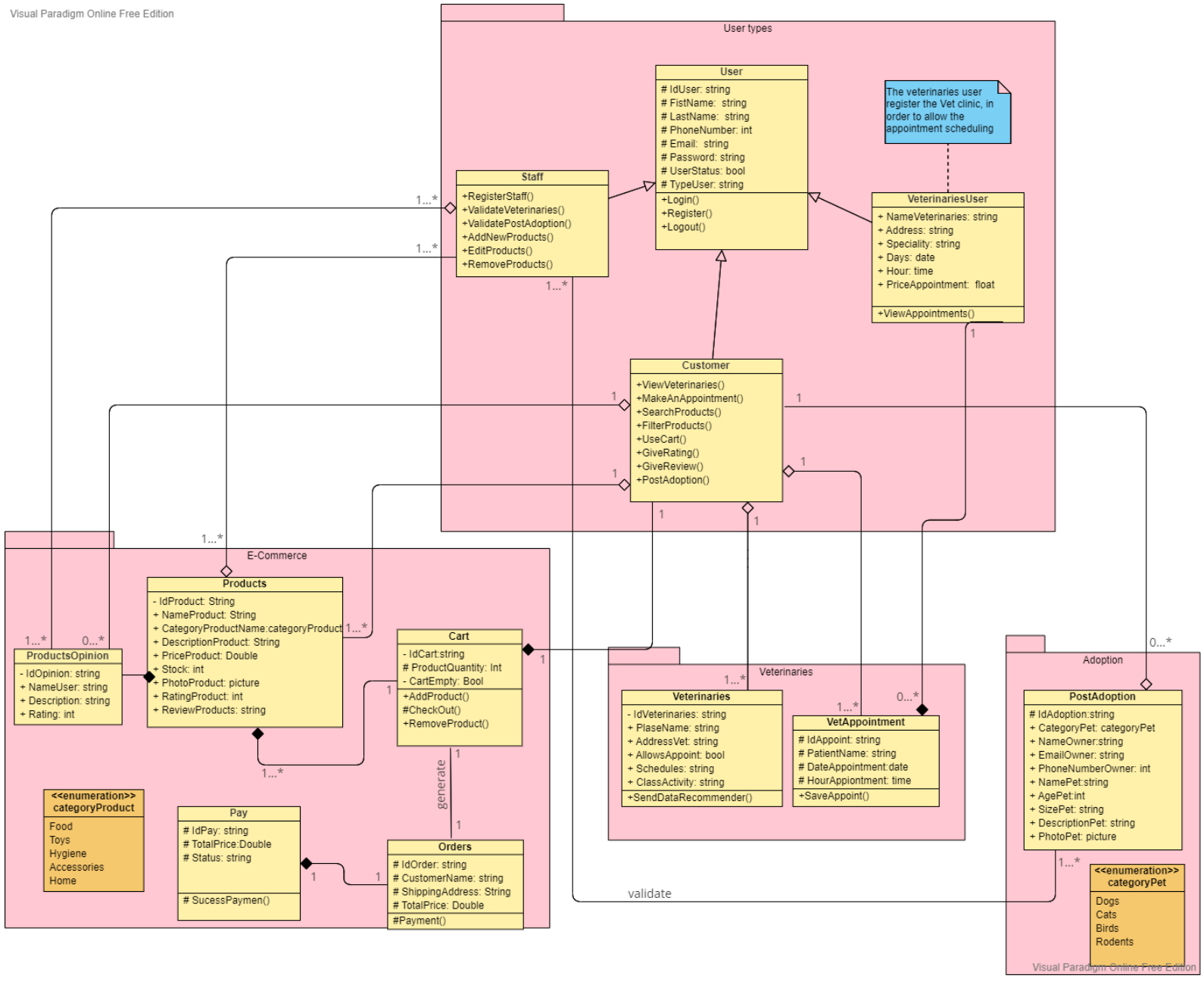
Paola: Las croquetas, es dependiendo del paciente, por ejemplo si tiene sobrepeso, se recomiendan unas para irle bajando el nivel calórico, para que vaya disminuyendo su peso, también por ejemplo si tiene una problema en el que tiene su peso bajo, se le recomiendan equis tipo de croquetas para que vaya bajando su peso. Igual si tiene diabetes, hay un tipo de alimento especial para ello.

Paul: Si tuvieras como tarea el desarrollar una página web que permita localizar veterinarias cercanas, comprar productos de cuidado para las mascotas y adoptarlas, ¿cómo lo harías? O ¿en qué te enfocarías para realizarlo?.

Vianey: ¿Qué problema ves en las veterinarias o algo que digas, esto debería ser más fácil o es muy complicado, en el que puedas usar un sistema que lo haga más fácil.

Paola: okay, pues yo creo que lo principal sería checar el precio de consultas, porque yo creo que mucha gente se va a las veterinarias que cobran menos, por lo mismo, ya que el costo es menor, tanto en medicamentos o consultas generales y por eso creo que eso sería lo principal, porque si el costo de consulta es mayor, no quiere decir que hagan un mejor trabajo. También me enfocaría en los servicios de veterinaria, ya que hay unas que solo ofrecen consulta y tratamiento en casa, pero hay otras que ofrecen servicios de estética, análisis y la consulta. Me gustaría enfocarme en los precios, en qué se enfoca la veterinaria y cuál queda más cerca.

4.2.2 Class diagram



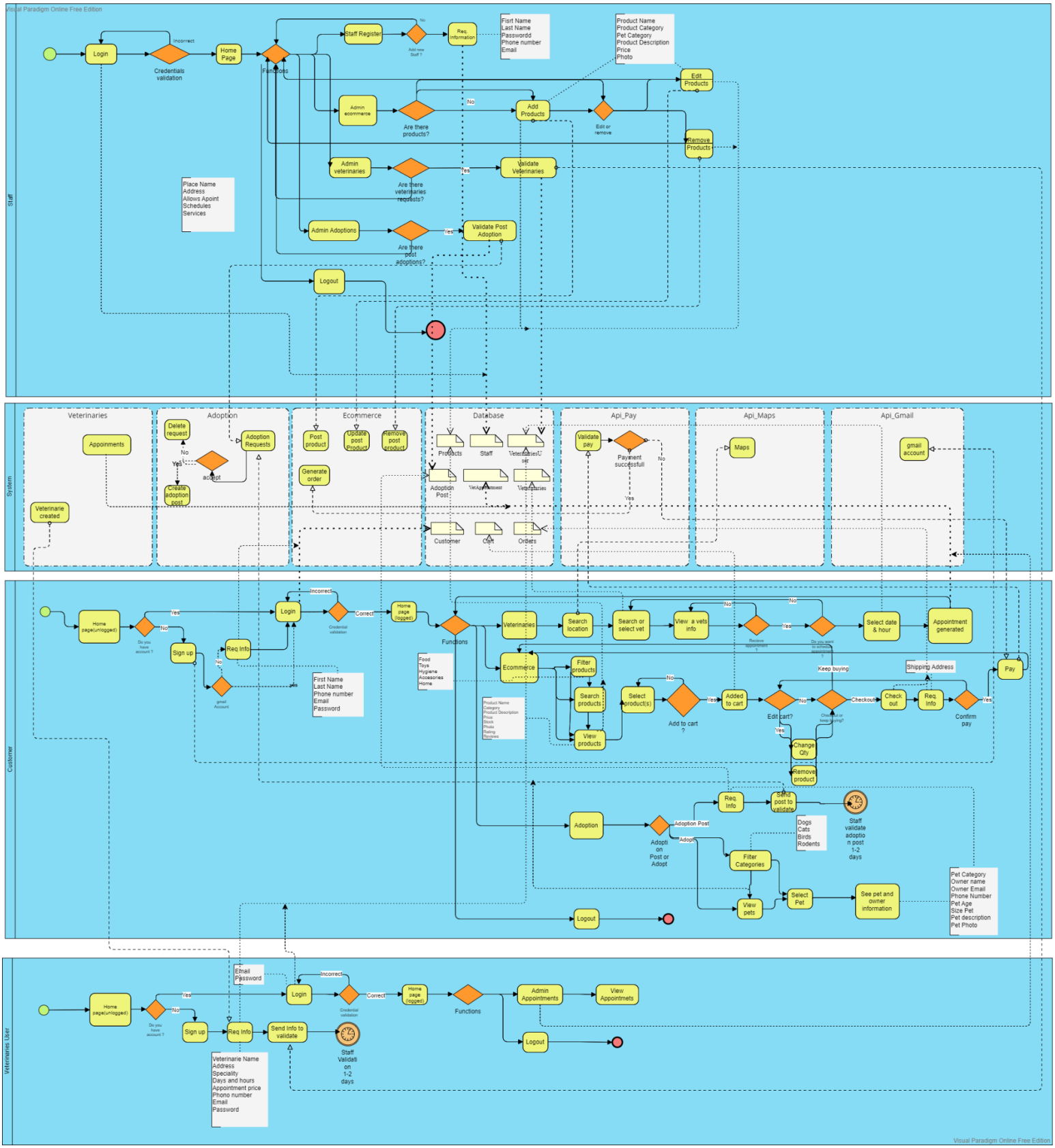
Class diagram description			
Class	*Class description*	*Attributes*	*Methods*
User	Abstract user class, it will be from which each of our user types will inherit the different attributes (staff, customer and veterinarians user)	*IdUser* *FirstName* *LastName* *PhoneNumber* *Email* *Password* *UserStatus* *TypeUser*	**Login:** Allows entering username and password to log in, warns when the user does not exist, helps the user to choose secure passwords, limits the number of times the user can log in, allows the user to choose secure passwords, limits the number of times the user can log in.
			Register: The user can register in the system in two different ways, using the system registration system or using a gmail plugin. Our registration system asks for the attributes of the class.
			Logout: Terminate the user's session with the system
Staff	The staff class is the one that represents the people in charge of validating some of the system processes, such as accepting the adoption post or validating a veterinarian or even registering more staff users, in addition to modifying, adding and deleting products from the store for pets.	*IdStaff* *FirstName* *LastName* *PhoneNumber* *Email* *Password* *UserStatus* *TypeUser*	**RegisterStaff:** Staff only can register staff.
			ValidateVeterinaries: When a veterinaries user registers a veterinaries, the staff must validate so that it can be shown in the veterinaries appointment section.
			ValidatePostAdoption: When a client creates an adoption post, the staff must validate for it to be view in the adoption section
			AddNewProducts: Add new products to the ecommerce section
			EditProducts: Edit products of the ecommerce section
			RemoveProducts: Remove products of the ecommerce section
Customer	Customer class, is the one that represents one of our main end users, who can schedule an appointment, buy in the online store and generate adoption post.	*IdCustomer* *FirstName* *LastName* *PhoneNumber* *Email* *Password* *UserStatus* *TypeUser*	**Register:** The user can register in the system in two different ways, using the system registration system or using a gmail plugin. Our registration system asks for the attributes of the class.
			ViewVeterinaries: The customer will be able to see the veterinarians with their respective hours, address and services they offer.

			MakeAnAppoinment: The customer will be able to make appointments with the veterinarians that have it allowed, the time and day of the appointment will be requested.
			SearchProducts: The customer will be able to use a search engine within the ecommerce to find the products more easily.
			FilterProducts: The customer will be able to filter by categories (food, toys, hygiene, accessories, home) the products of the ecommerce
			UseCart: The customer will be able to use a cart for their purchases in the ecommerce. The cart has the functions defined in its class.
			GiveRating: The customer will be able to give a rating from 0 to 5 to the products purchased in the ecommerce
			GiveReview: The customer will be able to write a review about the products purchased in the ecommerce and it can be answered by the staff.
			PostAdoption: The customer will be able to post a pet for adoption but it will have to be validated by the staff.
Veterinaries User	The veterinary users are the employees of the veterinarians registered in the system, who can follow up on the appointments	*IdVetUser* *NameVeterinaries* *Address* *Speciality* *Days* *Hour* *AppointmentPrice* *PhoneNumber* *Email* *Password* *UserStatus* *TypeUser*	**ViewAppoinment:** The Veterinaries user will be able to see the appointments that the customer registered in the system.
Products	The products class stores the different products that the ecommerce will	*IdProduct* *NameProduct* *CategoryProduct*	

	contain, as well as their different categories, their description, stock and price	*Name* *DescriptionProduct* *PriceProduct* *Stock* *PhotoProduct* *RatingProduct* *ReviewProduct*	
Products Opinion	The product opinion class will contain the ratings given by the customers who have bought the product, which will be visible to 100% of the users, but these cannot be managed by the staff unless they are answered, in addition to the rating that will be given to products with a rating system that goes from 1 to 5 on a numerical scale	*RatingProduct* *ReviewProduct*	
Cart	The cart class will be the one that stores the different products that the customers of our online store add to their shopping carts, they will be able to add, delete and modify the quantity of any product of which they need more than one unit	*IdCart* *ProductQuantity*	**AddProducts:** Add products to the cart, change quantity **Checkout:** Close the cart to make checkout. The cart is not able to change at this point. **RemoveProducts:** Remove products from the cart.
Orders	Orders will store the different purchases made by customers to the ecommerce system, containing data such as the order ID, the shipping address and the total price of the items purchased.	*IdOrder* *ShippingAddress* *TotalPrice*	**Payment:** The payment system will be through the Paypal API.
Veterinaries	The veterinary class will manage the information of the veterinary premises, as well as the main services that they offer, address and if they accept appointments	*IdVeterinaries* *PlaceName* *Address vet* *AllowsAppoint* *Schedule* *ClassActivity*	**SendDataRecommender**

Vet Appointment	The vet appointment class handles the information of the generated appointments, visible to the patient (customer) and to the veterinarians user	*IdAppointment* *PatientName* *DateAppointment* *HourAppointment*	**SaveAppoinment:** The appointment will be created so that the veterinarians user can manage it.
Post Adoption	The adoption post class contains the attributes of the publications generated to encourage the adoption of pets, with the main necessary information	*IdAdoption* *CategoryPet* *NameOwner* *EmailOwner* *PhoneNumberOwner* *NamePet* *AgePet* *SizePet* *DescriptionPet* *PhotoPet*	

4.2.3 Business Process Managment diagram



BPM description	
Actor	*Process description*
Staff	Reunión en _MFDS_T2_-20221105_224207-Grabación de la reunión.mp4
Customer	Nueva reunión de canal-20221105_221552-Grabación de la reunión.mp4
Veterinaries user	Reunión en _MFDS_T2_-20221105_230558-Grabación de la reunión.mp4

4.2.4 System capacity formula

US = (UED/24) =UH

US = UH/60 =UM

US = DV*0.5 = VS

Expected daily visits to the site are 100,000 users per day.

100,000/24 = 4166.66 approximate to 4200 users per hour

4200/60 = 70 visits

70*0.5 = 35 users simultaneously

4.2.5 Color’s palette

Color code	*Color*	*Example of use*
2044AC		Background Design
1F41A9		Background
A5A5A5		Form's phrases
DD954E		Pets & others
FFC107		Buttons
FFD65B		Links
D6B58B		Pets & others
FFE6B6		Pets & others
FFFFFF		Types, descriptions or icons
1A1B22		

4.2.6 Typography

DejaVu Sans

4.2.7 Activity table

Nombre del integrante	Artefactos creados	Función de este artefacto y resultados	Ubicación del repositorio
Vianey Martínez	Inicio y cierre de sesión	El artefacto de inicio de sesión tiene validación de usuarios y filtro para los administradores y usuarios comunes. También opción para cerrar sesión	MFDS_2022_T2_Code/LoginScreen.js at main · metodosformalesds/MFDS_2022_T2_Code (github.com)
	Registro de usuarios	Permite a los usuarios crearse una cuenta	MFDS_2022_T2_Code/RegisterScreen.js at main · metodosformalesds/MFDS_2022_T2_Code (github.com)
	Registrar staff	Permite solo a miembros de staff registrar staff/admin	MFDS_2022_T2_Code/UserEditScreen.js at main · metodosformalesds/MFDS_2022_T2_Code (github.com)
	Editar staff	Editar o eliminar miembros de staff solo para staff	MFDS_2022_T2_Code/UserListScreen.js at main · metodosformalesds/MFDS_2022_T2_Code (github.com)
	Inició de sesión con google	Permite a los usuarios ingresar al sistema con una cuenta de google (presenta fallos)	MFDS_2022_T2_Code/login.js at main · metodosformalesds/MFDS_2022_T2_Code (github.com)
	Perfil de usuarios	Permite ver a los usuarios su perfil, o sea su información	MFDS_2022_T2_Code/ProfileScreen.js at main · metodosformalesds/MFDS_2022_T2_Code (gitMFDS_2022_T2_Code/ProductScreen.js at main · metodosformalesds/MFDS_2022_T2_Code (github.com)hub.com)
	Diseño del navbar	Un encabezado con funciones que facilitan a el usuario su navegación por el sistema	MFDS_2022_T2_Code/Header.js at main · metodosformalesds/MFDS_2022_T2_Code (github.com)
	CRUD de usuarios	Funciones como eliminar, , lista de usuarios, actualizar y registrar usuarios	MFDS_2022_T2_Code/userActions.js at main · metodosformalesds/MFDS_2022_T2_Code (github.com)

Vianey Martinez y Paul Hernandez	Conexión a paypal	Los usuarios pueden pagar su orden del E-Commerce con paypal	MFDS_2022_T2_Code/PaymentScreen.js at main · metodosformalesds/MFDS_2022_T2_Code (github.com)
	Barra de búsqueda	Permite a los usuarios poder buscar algún producto o palabra sobre lo que están buscando	MFDS_2022_T2_Code/SearchBox.js at main · metodosformalesds/MFDS_2022_T2_Code (github.com)
Paul Hernández	Listado de productos	Muestra todos los productos existentes dentro del E-Commerce	MFDS_2022_T2_Code/Product.js at main · metodosformalesds/MFDS_2022_T2_Code (github.com)
	Vista individual de productos	Permite visualizar un producto de manera individual, mostrando su descripción y el apartado de reseñas	MFDS_2022_T2_Code/ProductScreen.js at main · metodosformalesds/MFDS_2022_T2_Code (github.com)
	Carrito de compra	Permite a los usuarios agregar productos que desean, para luego proceder al sistema de pago	MFDS_2022_T2_Code/CartScreen.js at main · metodosformalesds/MFDS_2022_T2_Code (github.com)
	Información de la orden	Esta vista muestra los datos de la orden que realizó el usuario	MFDS_2022_T2_Code/OrderScreen.js at main · metodosformalesds/MFDS_2022_T2_Code (github.com)
	Vista de checkout	Muestra un apartado con los datos de la orden efectuada por el usuario, además de un botón para confirmar orden	MFDS_2022_T2_Code/PlaceOrder.js at main · metodosformalesds/MFDS_2022_T2_Code (github.com)
	Scraping de productos	Archivo .py que funciona como scrapper de productos de mascotas de la página Amazon US, y muestra los datos recopilados en un archivo csv.	MFDS_2022_T2_Code/script.py.js at main · metodosformalesds/MFDS_2022_T2_Code (github.com)
	Sistema de rating de productos	Muestra un apartado para evaluar un producto dentro de su vista individual, sistema de calificación por estrellas	MFDS_2022_T2_Code/Rating.js at main · metodosformalesds/MFDS_2022_T2_Code (github.com)
	Reseñas de los productos	Permite al usuario publicar una reseña de un producto en específico.	MFDS_2022_T2_Code/ProductScreen.js at main · metodosformalesds/MFDS_2022_T2_Code (github.com)

	CRUD de productos	Esta función permite que los miembros de staff modifiquen datos de los productos, que agreguen más o que los eliminen	MFDS_2022_T2_Code/ProductEditScreen.js at main · metodosformalesds/MFDS_2022_T2_Code (github.com)
Adrian Robles	API Google Places	Extracción, appends, limpieza de veterinarias en la API de Google Places.	MFDS_2022_T2_Code/Veterinarias/APIS at main · metodosformalesds/MFDS_2022_T2_Code (github.com) MFDS_2022_T2_Code/Google Places Api Script.py at main · metodosformalesds/MFDS_2022_T2_Code (github.com)
	API Inegi Denue	Extracción, appends, limpieza de veterinarias en la API de Inegi Denue	MFDS_2022_T2_Code/Veterinarias/APIS at main · metodosformalesds/MFDS_2022_T2_Code (github.com)
	Merge entre API'S y generación de CSV final	Merge, limpieza y generación del CSV final de veterinarias en la ciudad.	MFDS_2022_T2_Code/Veterinarias/APIS at main · metodosformalesds/MFDS_2022_T2_Code (github.com) MFDS_2022_T2_Code/Veterinarias CSV Completo.csv at main · metodosformalesds/MFDS_2022_T2_Code (github.com)
	Visualización de mapa	Conexión y visualización del mapa de Mapbox con la utilización del framework Leaflet	MFDS_2022_T2_Code/mapa.html at main · metodosformalesds/MFDS_2022_T2_Code (github.com) MFDS_2022_T2_Code/views.py at main · metodosformalesds/MFDS_2022_T2_Code (github.com)
	Geolocalización	Obtener la geolocalización del usuario por medio del framework Leaflet.	MFDS_2022_T2_Code/mapa.html at main · metodosformalesds/MFDS_2022_T2_Code (github.com). MFDS_2022_T2_Code/views.py at main · metodosformalesds/MFDS_2022_T2_Code (github.com)

	Marcadores de veterinarias	Crear marcadores de las veterinarias extraídas con la API de Google places e Inegi Denue	MFDS_2022_T2_Code/mapa.html at main · metodosformalesds/MFDS_2022_T2_Code (github.com) MFDS_2022_T2_Code/views.py at main · metodosformalesds/MFDS_2022_T2_Code (github.com)
	Dirección entre dos puntos	Señalar la ubicación y la dirección entre dos puntos utilizando un link compuesto de Google Maps.	MFDS_2022_T2_Code/mapa.html at main · metodosformalesds/MFDS_2022_T2_Code (github.com) MFDS_2022_T2_Code/views.py at main · metodosformalesds/MFDS_2022_T2_Code (github.com)
	Búsqueda	Búsqueda de veterinarias dentro del sidebar, donde busca las veterinarias por nombre, dirección o servicio.	MFDS_2022_T2_Code/mapa.html at main · metodosformalesds/MFDS_2022_T2_Code (github.com) MFDS_2022_T2_Code/views.py at main · metodosformalesds/MFDS_2022_T2_Code (github.com)
	Deploy integración de Citas+Veterinarias	Deploy en producción de la integración del módulo completo de veterinarias.	MFDS_2022_T2_Code/VetPet Mapa+Citas at main · metodosformalesds/MFDS_2022_T2_Code (github.com)
	Página de inicio	Landing page como página inicial del sistema, servicios ofrecidos, about us y contacto.	MFDS_2022_T2_Code/landing.html at main · metodosformalesds/MFDS_2022_T2_Code (github.com) MFDS_2022_T2_Code/views.py at main · metodosformalesds/MFDS_2022_T2_Code (github.com)
	Página de selección	Diseño e implementación de página de selección para elegir entre los 3 servicios: veterinarias, tienda y adopción.	MFDS_2022_T2_Code/selection.html at main · metodosformalesds/MFDS_2022_T2_Code (github.com) MFDS_2022_T2_Code/views.p

			y at main · metodosformalesds/MFDS_2022_T2_Code (github.com)
	Normalización de diseño	Normalizar el diseño en módulo de veterinarias, landing page y selección para que todos los módulos tengan el mismo sentido gráfico.	MFDS_2022_T2_Code/Appointment updates style at main · metodosformalesds/MFDS_2022_T2_Code (github.com)
Adrian Robles y Daniel Barajas	Integración de Citas y Veterinarias	Se integra el mapa de las veterinarias registradas con el apartado de generación de citas, que le permitirá al usuario ingresar fácilmente de una a otra	MFDS_2022_T2_Code/views.py at main · metodosformalesds/MFDS_2022_T2_Code (github.com) MFDS_2022_T2_Code/mapa.html at main · metodosformalesds/MFDS_2022_T2_Code (github.com)
	Integración Landing View	Se genera la vista de landing con la información principal de la página	MFDS_2022_T2_Code/views.py at main · metodosformalesds/MFDS_2022_T2_Code (github.com) MFDS_2022_T2_Code/landing.html at main · metodosformalesds/MFDS_2022_T2_Code (github.com)
	Integración Página de selección de apartado	Muestra una imagen con todos nuestros apartados y al darle click te redirige al apartado seleccionado	MFDS_2022_T2_Code/selection.html at main · metodosformalesds/MFDS_2022_T2_Code (github.com) MFDS_2022_T2_Code/views.py at main · metodosformalesds/MFDS_2022_T2_Code (github.com)
	Pagina de inicio veterinarias	Muestra la página de inicio al entrar a la sección veterinarias	MFDS_2022_T2_Code/index.html at main · metodosformalesds/MFDS_2022_T2_Code (github.com) MFDS_2022_T2_Code/views.py at main · metodosformalesds/MFDS_202

Daniel Barajas			2_T2_Code (github.com)
	Login Veterinaria	Ingresa a los veterinarios a la página y desbloquea la función de administrar citas (se inyectan datos de form a view predefinida por Django)	MFDS_2022_T2_Code/login.html at main · metodosformalesds/MFDS_2022_T2_Code (github.com) MFDS_2022_T2_Code/urls.py at main · metodosformalesds/MFDS_2022_T2_Code (github.com)
	Página de generación de cita	Muestra la página donde se muestra el formulario de generación de citas	MFDS_2022_T2_Code/appointment.html at main · metodosformalesds/MFDS_2022_T2_Code (github.com) MFDS_2022_T2_Code/views.py at main · metodosformalesds/MFDS_2022_T2_Code (github.com)
	Generación de citas	Le permite al usuario enviar el formulario de solicitud de citas y es enviado a la veterinaria	MFDS_2022_T2_Code/views.py at main · metodosformalesds/MFDS_2022_T2_Code (github.com)
	Página de administración de citas	Muestra a la veterinaria las solicitudes pendientes de agendar	MFDS_2022_T2_Code/views.py at main · metodosformalesds/MFDS_2022_T2_Code (github.com)
	Administración de citas	Permite a la veterinaria aceptar la solicitud de cita seleccionando una fecha de agenda	MFDS_2022_T2_Code/views.py at main · metodosformalesds/MFDS_2022_T2_Code (github.com)
	Enviar correo de confirmación de cita	Utiliza el template “email.html” como base para enviar el correo de confirmación al usuario solicitante del servicio	MFDS_2022_T2_Code/views.py at main · metodosformalesds/MFDS_2022_T2_Code (github.com)
	Campana de notificaciones	Muestra las citas pendientes por aceptar a la veterinaria	MFDS_2022_T2_Code/context_processors.py at main · metodosformalesds/MFDS_2022_T2_Code (github.com)

	Logout de veterinaria	Cierra sesión a los veterinarios bloquea la función de administrar citas (se inyectan datos de form a view predefinida por Django)	MFDS_2022_T2_Code/logout.html at main · metodosformalesds/MFDS_2022_T2_Code (github.com) MFDS_2022_T2_Code/urls.py at main · metodosformalesds/MFDS_2022_T2_Code (github.com)
Nulvin	Página de inicio de post	muestra la página de inicio al entrar a la sección de adoptions	
	Registro al post	permite registrarse al blog de adopción	
	Login al blog	permite loguearse al sistema de adopción	
	Post	permite crear publicaciones de mascotas	