

**Pet Clinic Web app with appointment, adoption,
and simple automation systems**

**2021-2022
Faculty Of Computer Engineering
Graduation Project Thesis**

Rami Sadettin | 2017710205029

Reem Alhalbouni | 2017710205052

**Pet Clinic Web app with appointment, adoption,
and simple automation systems**

Reem Alhalbouni
Rami Sadettin

Karabük University
Engineering Faculty

Has been prepared as
a senior project thesis for
computer engineering department

KARABÜK
June 2022

I certify that the project titled “Pet Clinic Web app with appointment, adoption, E-commerce, and simple automation systems” prepared by Rami Saad Al Deen and Reem Alhalbouni is suitable as a Graduation Project Thesis.

Assoc. Prof. Dr. İlhami Muharrem ORAK

.....

Graduation Project Advisor, Department of Computer Engineering

...../...../2022

This thesis was approved by Computer Engineering department as a graduation project thesis.

Prof. Dr. Yüksel ÇELİK

.....

Head of Computer Engineering department

“All the information in this project is obtained and presented in accordance with academic rules and ethical principles; we further declare that we have made all attributions that do not originate in this work, as required by these rules and principles.”

Reem Alhalbouni, Rami Sadettin

ABSTRACT

Senior Project Thesis

**Pet Clinic Web app with appointment, adoption,
and simple automation systems**

Rami Sadettin

Reem Alhalbouni

Karabuk University

Faculty Of Computer Engineering

Thesis's Supervisor:

Assoc. Prof. Dr. İlhami Muharrem ORAK

June 2022, 46 pages

This project in a nutshell is a Web app designed for a pet clinic where many services were introduced to serve the pet clinic's needs from making appointments to providing an environment for users who are interested in pet adoption or those who are interested in putting their pets for adoption.

All previous services were designed alongside a simple automation system, and both are handled by the Web app.

Keywords : Web Application, Appointment System, Adoption System, Registration System, Account Management System, Submission and Adoption System, Frontend, Backend, Database, Relational Data Base, RD, SQL, Query, Agile, Scrum, Deployment Phase, Staff Panel, Admin Panel, Filtering System, Payment

Thanks

We would like to express our endless thanks to our beloved professor **Dr. İlhami Muharrem ORAK** who accompanied us along the way, and provided us with guidance and support in planning, researching, execution and formation of this thesis. His knowledge and experience were a huge enlightenment to us through college years and through this thesis.

Contents

	<u>Page</u>
ACCEPTANCE	ii
ABSTRACT	Error! Bookmark not defined.
THANKS	Error! Bookmark not defined.
CONTENTS	Error! Bookmark not defined.
FIGURES INDEX.....	Error! Bookmark not defined.
CHAPTER 1	8
INTRO	8
1.1. LITERATURE SUMMRY	8
1.2. PROJECT’S OBJECTIVE	11
CHAPTER 2	12
PROJECT'S SOFTWARE PROCESS MODEL.....	12
2.1. SCRUM MODEL	12
2..1.1.1. BACKLOG (USER STORIES)	14
2..1.1.1.1.The Intended System Use-case Diagrams.....	16
2..1.1.1.1.The Intended System Use-case Diagram.....	16
2..1.1.1.1.The Intended System Conceptual ERD Diagram.....	24
2..1.1.1.1.The Intended System Physical ERD	25
2..1.2. PROJECT’S SPRINTS	30
2..1.2.1 FIRST SPRINT	30
2..1.2.2 SECOND SPRINT	31
2..1.2.3 THIRD SPRINT	38
2..1.2.4 FOURTH SPRINT.....	42

FIGURES INDEX

	<u>Page</u>
Figure 2.1. Scrum Model.	14
Figure 2.1.1. Site Concept Map.	15
Figure 2.1.1.1.A. Main System.	17
Figure 2.1.1.1.B. Registration System.	18
Figure 2.1.1.1.C. Appointment System.....	19
Figure 2.1.1.1.D. Adoption System.	20
Figure 2.1.1.1.E.Account Management System.....	21
Figure 2.1.1.1.F. Staff Panel.	22
Figure 2.1.1.1.G. Admin Panel.	23
Figure 2.1.2.1.H.e-commerce System.....	24
Figure 2.2.2.2.Conceptual ERD	25
Figure 2.3.2.3.Physical ERD	26
Figure 2.4.2.4. Physical ERD Modification.....	27
Figure 2.5.2.1.1. Signup Page Design.....	31
Figure 2.6.2.1.2. Login Page Design.....	31
Figure 2.7.2.1.3. Register Pet Page Design.....	32
Figure 2.8.2.2.1. Home Page Design	32
Figure 2.9.2.2.2. Appointment Page Design	33
Figure 2.10.2.2.3. Adoption Page Design	34
Figure 2.11.2.2.4. Adoption Ads Page Design.....	34
Figure 2.12.2.2.5. Adoption Ad Page Design	35
Figure 2.13.2.2.6. Manage User Profile Page Design.....	36
Figure 2.14.2.2.7. Manage Adoption Posts Page Design.....	36
Figure 2.15.2.2.8. Manage Pets Page Design.....	36
Figure 2.16.2.3.1 Staff Panel - Manage Adoption posts page Design	37

Figure 2..17.2.3.2. Staff Panel – Manage Appointment page design.....	37
Figure 2..18.2.3.3. Staff Panel – Pet’s Treatment History 1	38
Figure 2..19.2.3.4. Staff Panel – Pet’s Treatment History 2	38
Figure 2..20.2.3.5. Staff Panel – Update Pet’s Treatment History 1.....	39
Figure 2..21.2.3.6. Staff Panel – Add New Treatment History 2.....	39
Figure 2..22.2.3.7. Staff Panel – Registration	40
Figure 2..23.2.3.8. Staff Panel – Register A Client Page Design	40
Figure 2..24.2.3.9. Staff List Page Design	41

CHAPTER 1

INTRO

1.1. LITERATURE SUMMARY

Web applications are used in all aspects of life, and it has been a dependable tool for both governmental and private institutions and to provide an easy access interface for users.

For example, in the health field, using Web apps has become a common sense since Web apps give the users the ability to make appointments, check current and previous appointments and manage them, furthermore It allows them to preview their health records, tests results, x-rays...etc. Thus, Web apps help humans to easily keep track and take care of their health, similarly Web apps serve the health of pets since most pet clinics have leant towards using Web apps as an introductive interface which presents their services and shows the skillfulness of their staff.

Therefore, this project's main idea is to develop a Web app for a pet clinic which consists of the following main systems:

1) Health related systems:

A- Appointment System:

After doing research about pet's health related Web applications that are used in Turkey, and based on the services provided they can be categorized into two groups:

a) Web apps as search engines that can find the nearest pet clinic from the user's location and provide the ability to make an appointment based on the vet and their specialty, in addition these Web apps make it possible for the users to view the staff from multiple clinics and check vets' reviews ⁽¹⁾

b) Web apps that belong to pet clinics or pet hospitals and these apps focus on showcasing the clinic's or the hospital's services, branches, contact information, and location.

The mechanism used to make an appointment through these apps is either by contact information (phone number, email) or by submitting a form and sending it to the app⁽²⁾ In the Web app designed in this project the following modifications were implemented in the appointment system:

- In contrast to group **(a)** the appointment service is dedicated to only one clinic where the user can manage their appointments.
- In contrast to group **(b)** the appointment is made via the appointment system directly instead of using form, contact info...etc.
- the feature of making an appointment for pet training has been added.

B- Registration System:

The majority of the Web apps included in the research don't have a registration system which gives users the ability to sign up, sign in, and get access to the rest of the Web app's services. ⁽³⁾

Some of the apps that has a registration system ⁽⁴⁾ lacks the feature of signing up the pet to the database which helps in creating an identity for the pet and this identity can be used later to monitor pet's health record and in other services such as adoption system, whereas in this project this feature has been added and is available for the users.

2) Adoption System

After making research about the Web apps that are specialized in adopting pets, it turned out that traditionally the adoption system is as follows:

The pet owner submits an adoption ad which includes pet's information and the contact method which is either by messaging via the Web app or by commenting on the ad itself. ⁽⁵⁾

In this project the adoption system works by sending the contact information from the pet owner to the pet requester, furthermore when posting an adoption ad, the feature of including the pet training record and the pet info to the post is added.

In this project it is assumed that the targeted clinic has its own shelter for this reason the app was designed to allow the clinic to add adoption ads of the shelter's pets.

3) Automation System

Similar to the need for a Web app that serves the pet's health and provide the previously mentioned services, there is also a need for a simple automation system in the clinic itself that can be used by the staff members, and this system will be integrated into the Web app system.

1.2. PROJECT'S OBJECTIVE

This project assumes that there is a pet clinic in Karabük city in Turkey, the clinic requires its own Web app with the following systems:

- 1- Appointment System
- 2- Registration System
- 3- Adoption System
- 4- Automation System

The above systems would make the clinic's business easier, more user-friendly, and organized for both the clinic's staff and the clients who visit the clinic.

The adoption system in Karabük also lacks some form of regulation since most adoption offers are posted via social media such as Instagram and Facebook. which makes the adoption process unorganized and not easily found for most adopters.

Therefore, there's a need for an adoption system that can be managed by the clinic's Web app which benefits those who are interested, helps making the adoption process easier and most importantly helps in providing a faster way to find homes for pets.

Since most of the above systems are done via the Web app of the clinic, there is a need to integrate them into an automation system that can be used in the clinic itself on the same Web app for all operations to be in synchronization.

Lastly, having all these systems and services in one place and handling them through one Web app is beneficial, and would make taking care of pets much easier and convenient.

CHAPTER 2

PROJECT'S SOFTWARE PROCESS MODEL

2.1. Scrum Model

What is the scrum model? (Figure 2.25)

Scrum is an agile development methodology used in the development of Software based on an iterative and incremental processes. Scrum is adaptable, fast, flexible, and effective agile framework that is designed to deliver value to the customer throughout the development of the project. ⁽⁷⁾ This project was developed using the scrum model because it:

1. Easily Scalable:

Scrum processes are iterative and are handled within specific work periods, which makes it easier for the team to focus on definite functionalities for each period.

2. Compliance of expectations:

The client establishes their expectations indicating the value that each requirement/ history of the project brings, the team estimates them and with this information the Product Owner establishes its priority.

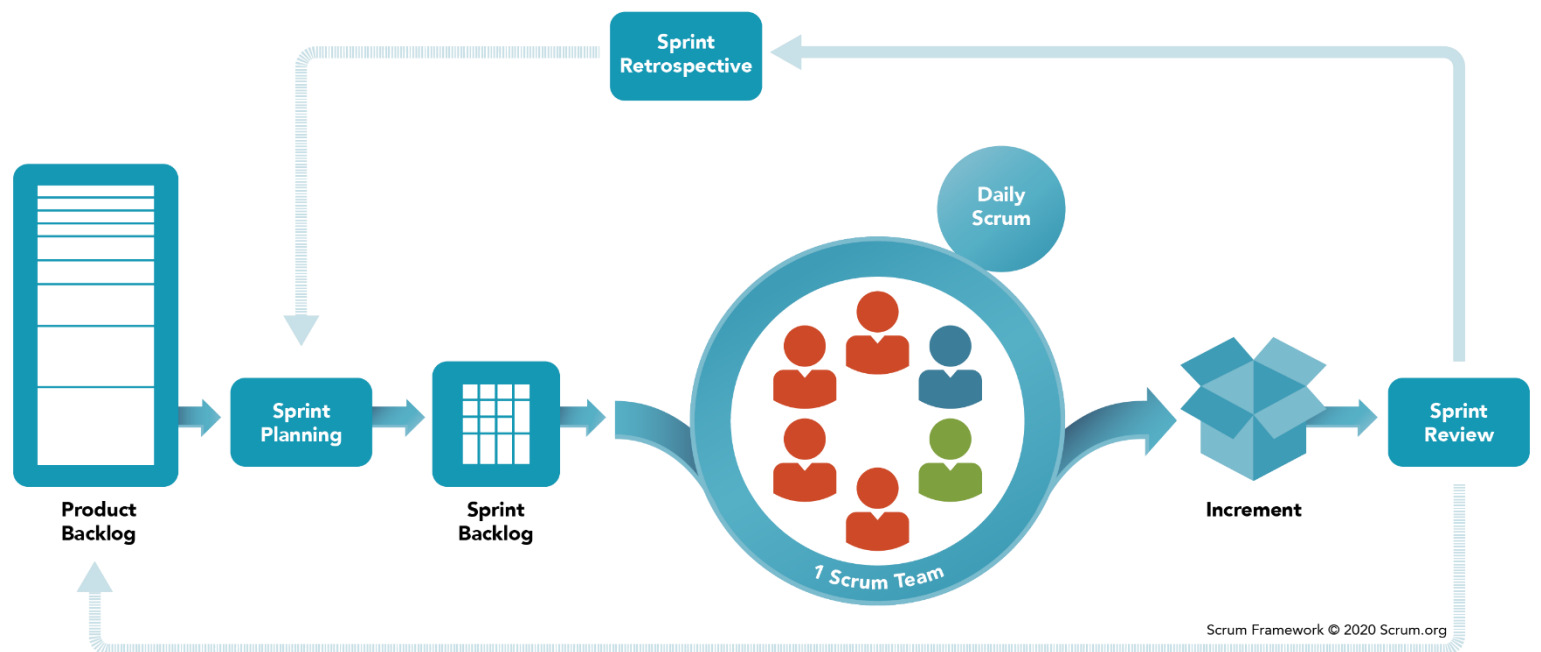
3. Flexible to changes:

Quick reaction to changes in requirements generated by customer needs or market developments. The methodology is designed to adapt to the changing requirements that complex projects entail.

4. Reduction of risks:

The fact of carrying out the most valuable functionalities in the first place and of knowing the speed with which the team advances in the project, allows to clear risks effectively in advance. ⁽⁷⁾

Figure 2.26. Scrum Model.



2..1.1. Backlog (User Stories):

Based on user stories (project's requirements), a Site Concept Map was created to summarize the main and the secondary services that clinic's Web app will provide (Figure 2..27.1).

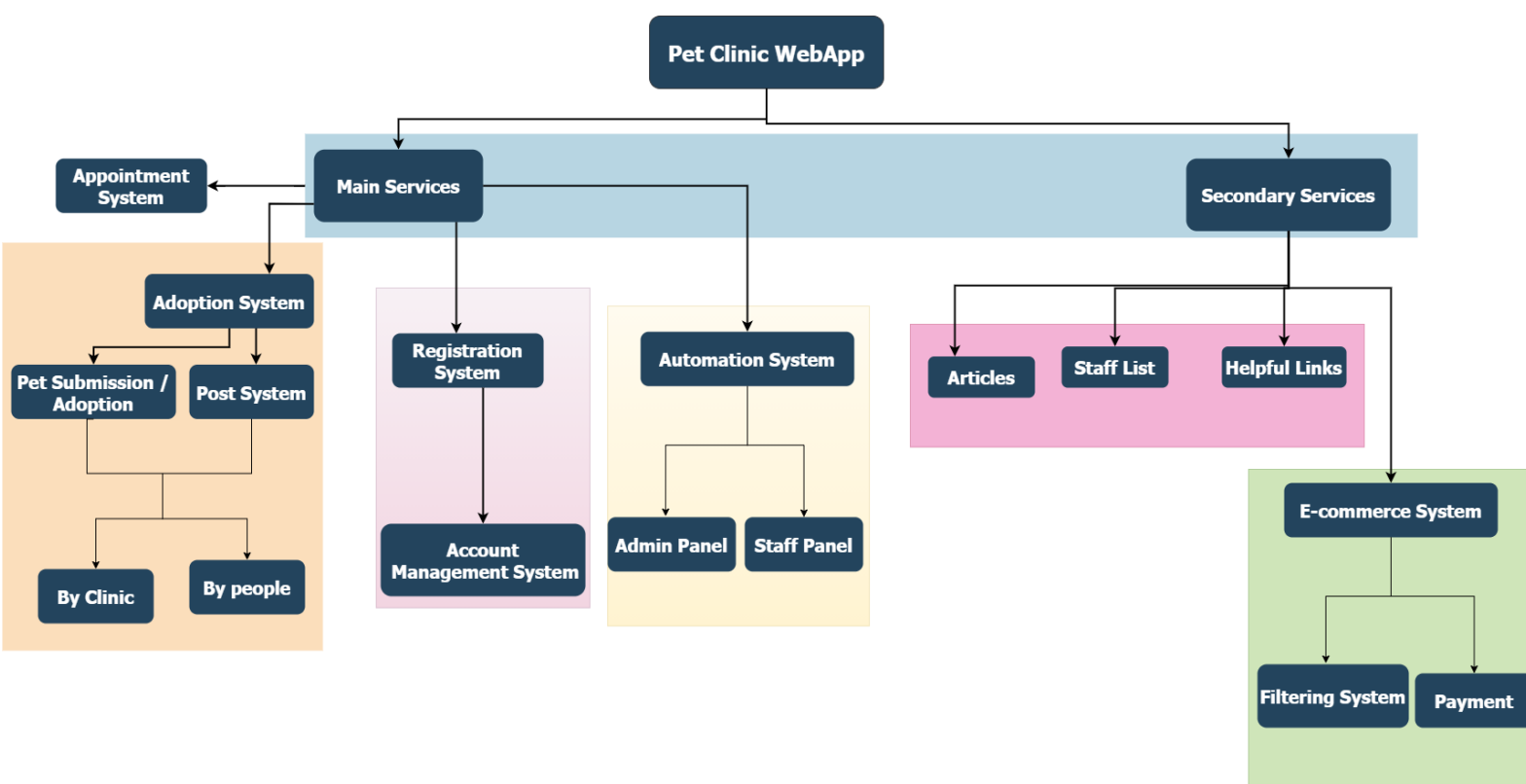


Figure 2..28.1 Site Concept Map

The project's services can be divided to two main categories:

1- Main Services:

Which can be divided to 4 systems:

- Appointment System
- Adoption System
- Registration System
- Automation System

The above systems' sprints will be explained in the next part.

2- Secondary Services:

These services are complementary and helpful to the users of the system.

The project consists of 4 secondary services:

- a) Articles: which can be read by pet lovers to get beneficial information about pet's health, behavior, and insights.
- b) Staff List: Users usually tend to checkout the review about a certain doctor or a staff member to make sure to get the best treatment available.

c) Helpful Links:

For this project all the required technologies were discussed and can be divided to:

Front-end part:

- HTML5
- CSS
- SASS
- JavaScript / jQuery
- AJAX
- Bootstrap
- React

back-end / server-side part:

- JavaScript / Node.js

Database:

- Relational Databases / SQL

2..1.1.1. The Intended System Use-case Diagrams:

Figure 2..1.1.1. A. Main System:

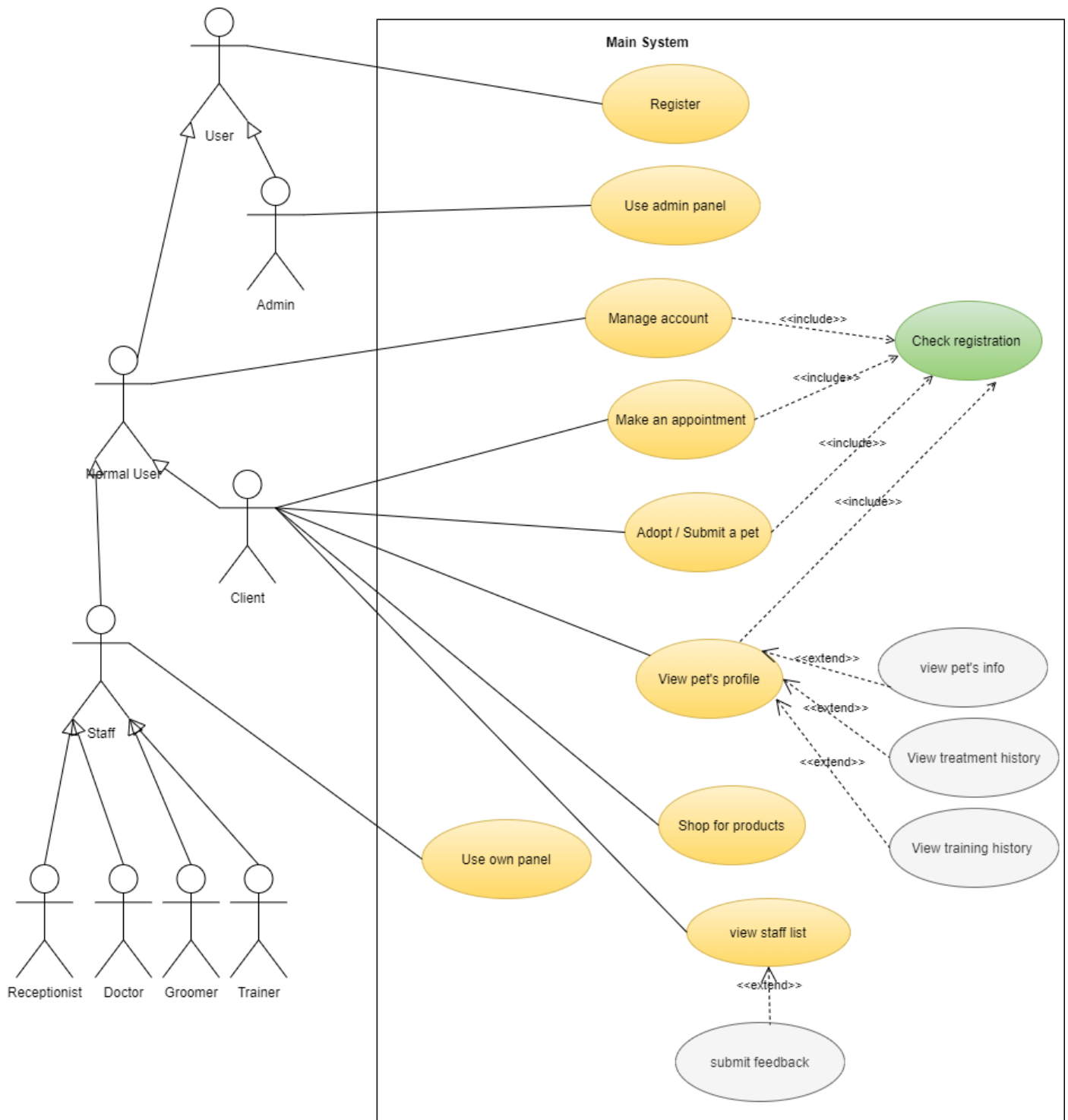


Figure 2..1.1.1. B. Registration System:

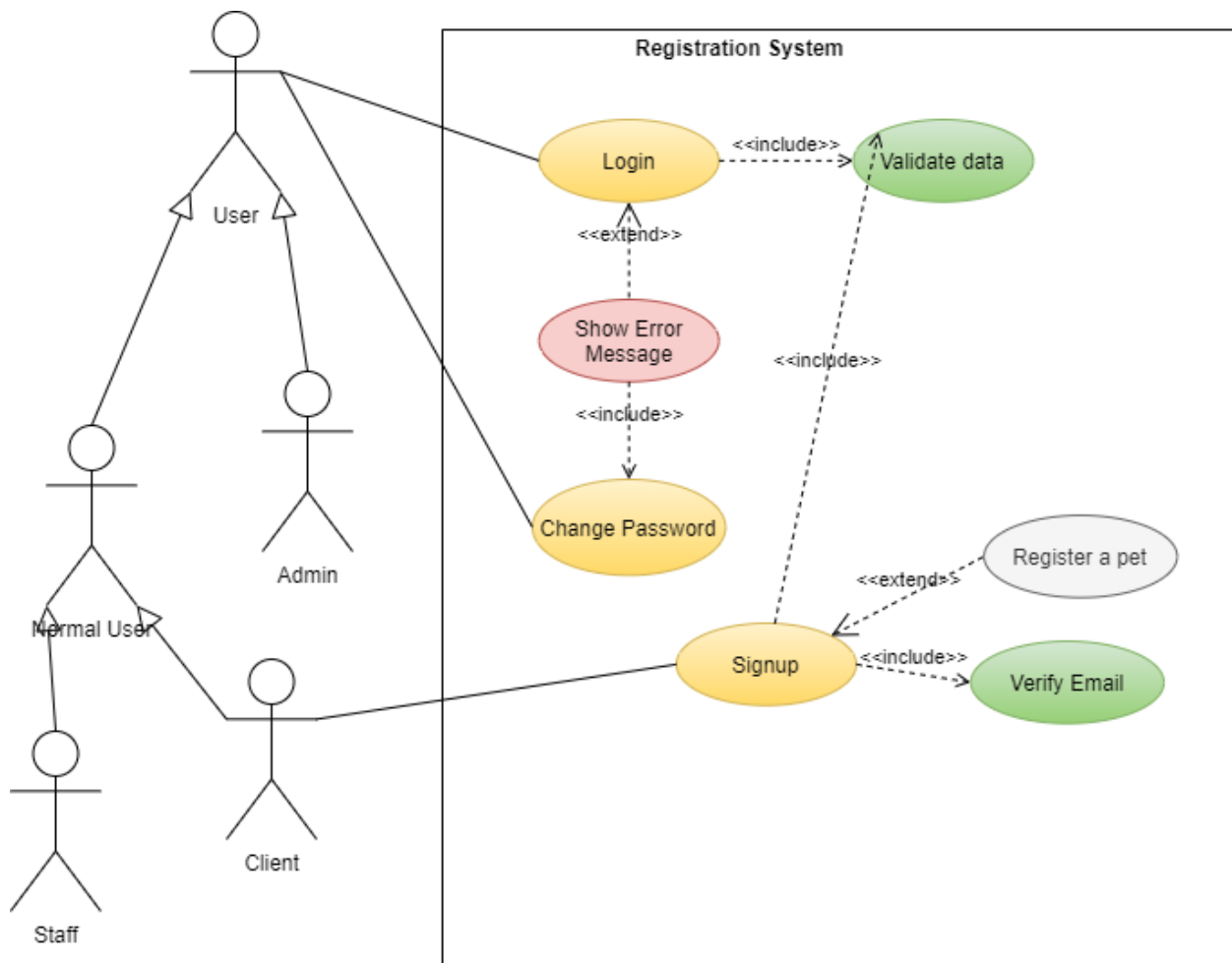


Figure 2..1.1.1. C. Appointment System:

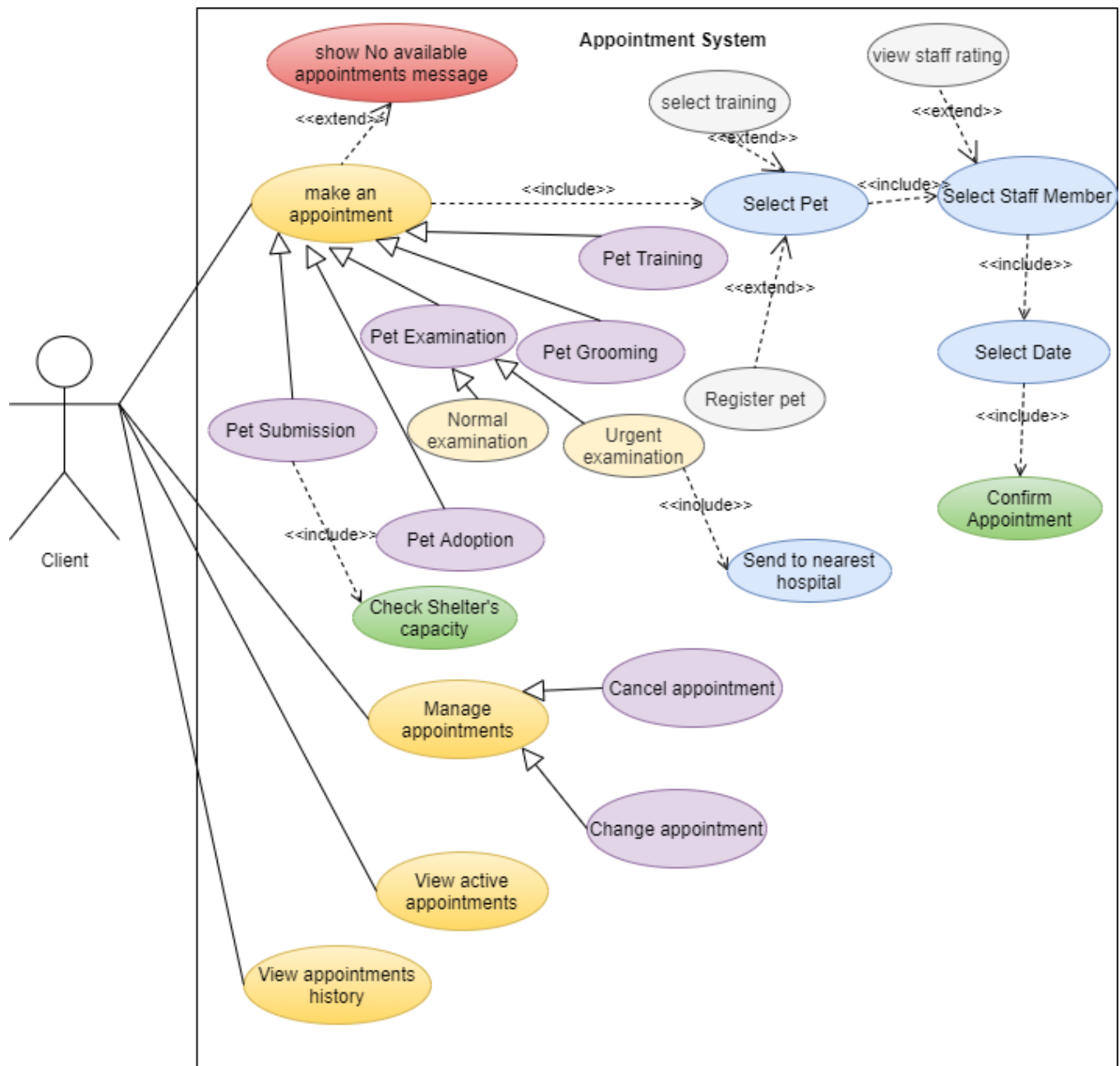


Figure 2..1.1.1. D. Adoption System:

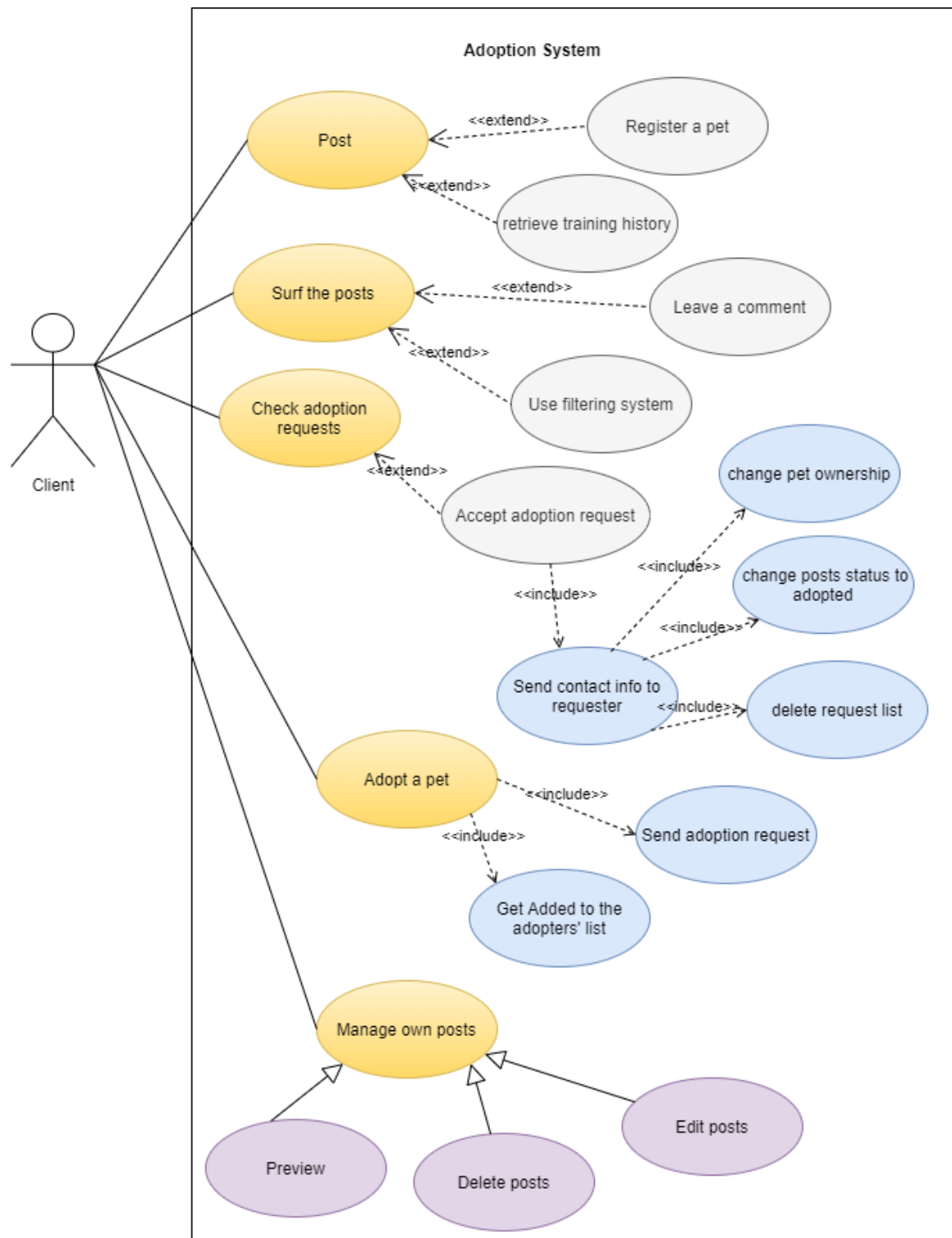


Figure 2..1.1.1. E. Account Management System:

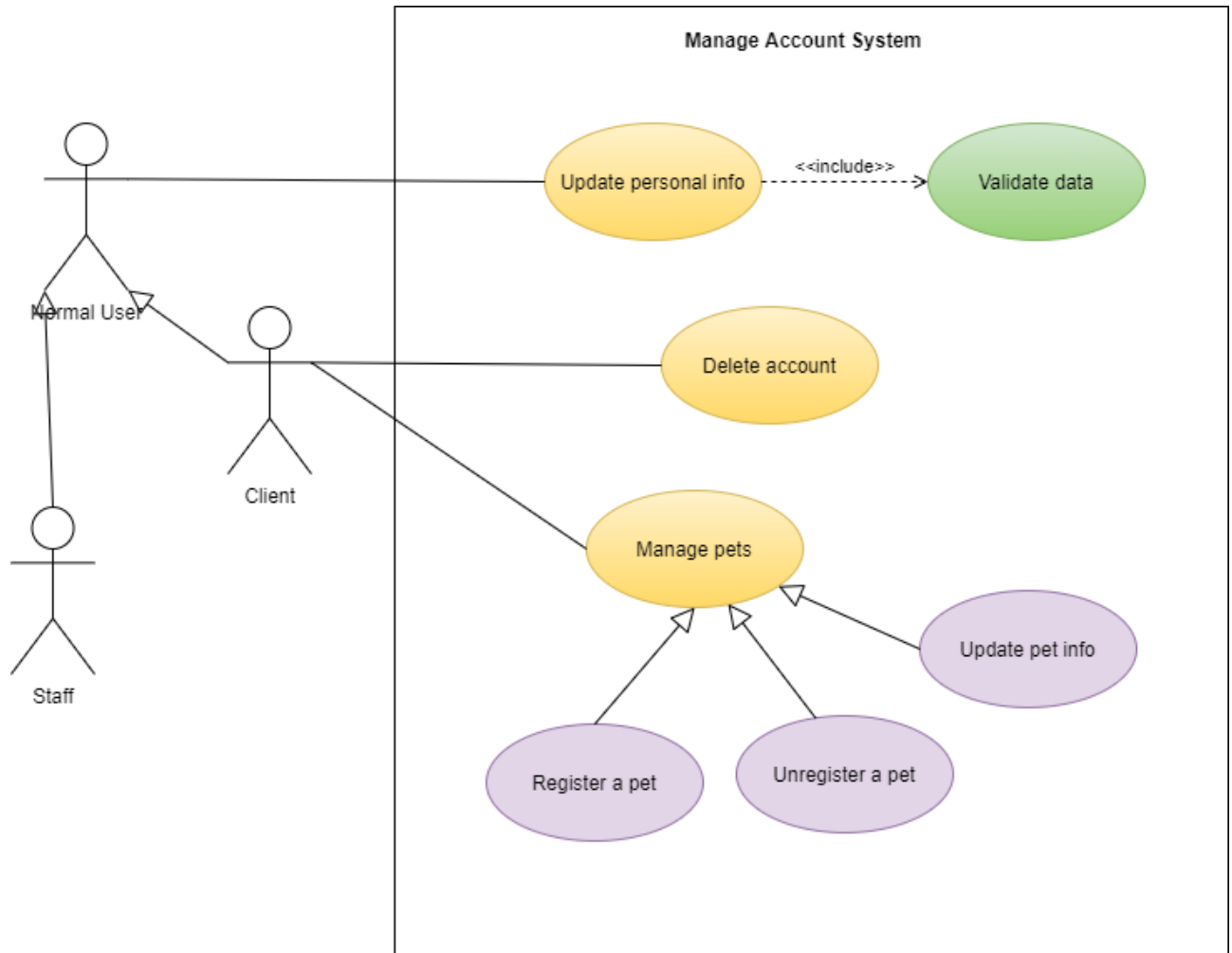


Figure 2..1.1.1. F. Staff Panel:

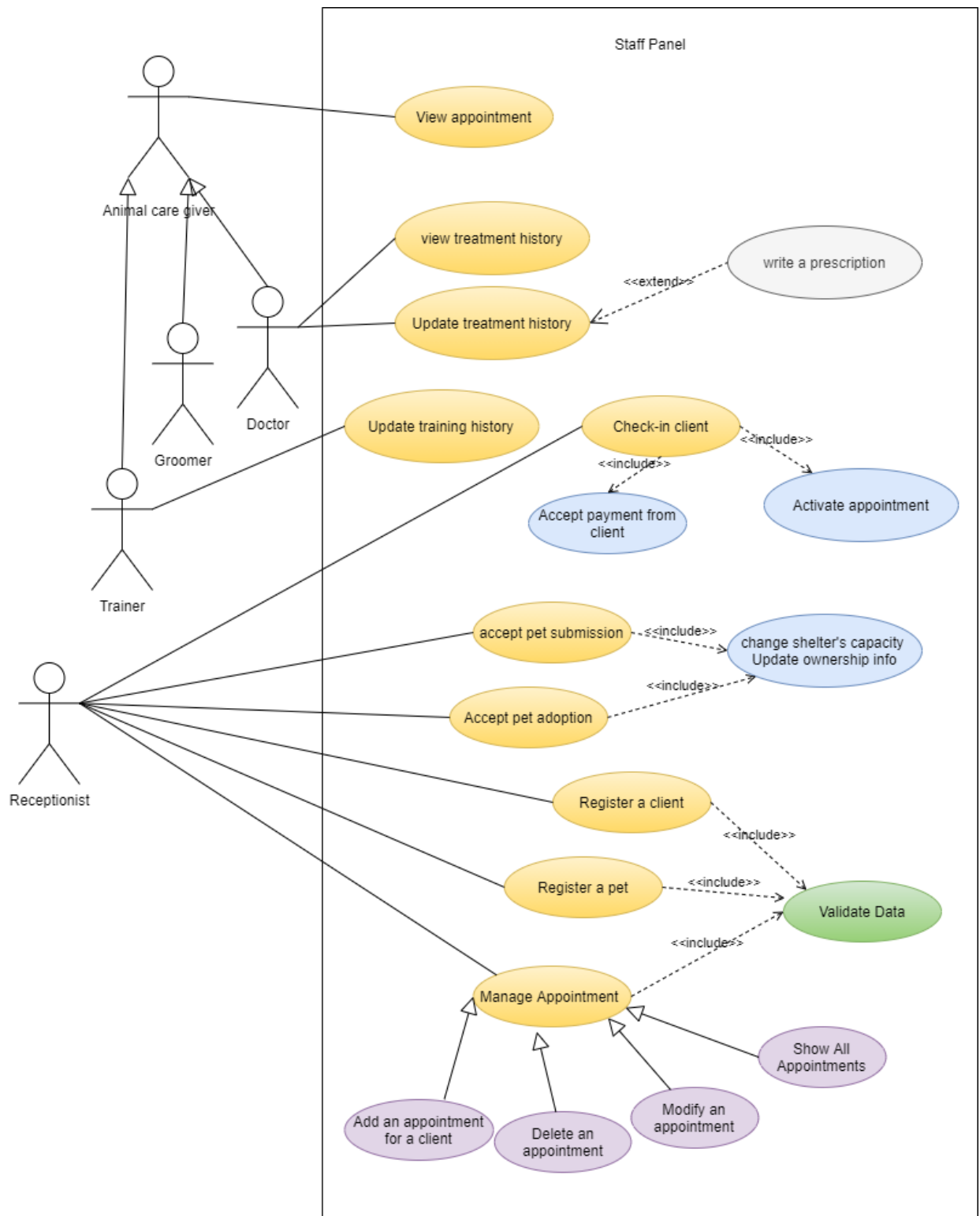
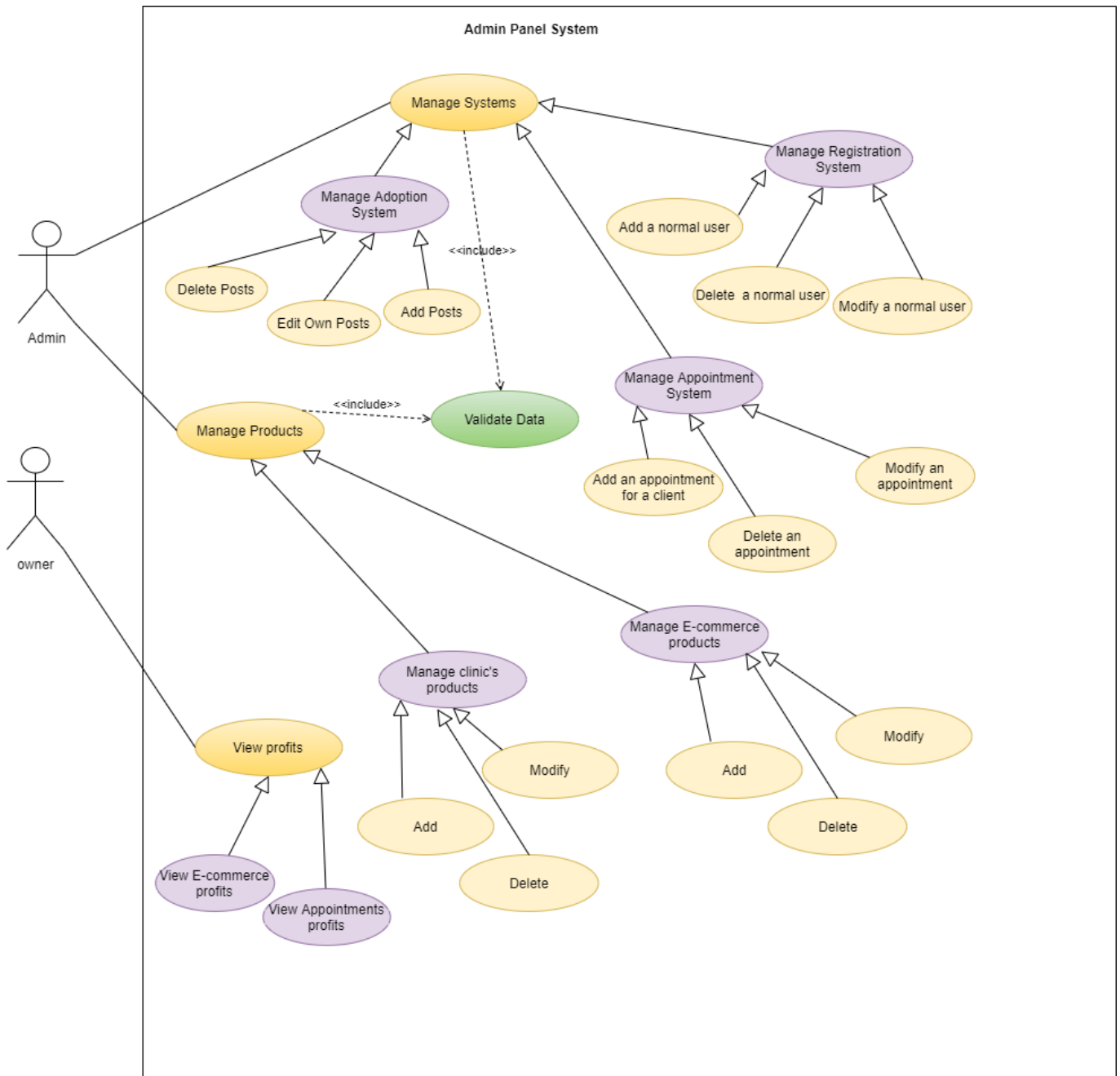


Figure 2.1.1.1. G. Admin Panel:



2..1.1.2 The intended system's conceptual ERD diagram

Conceptual ERD models information gathered from business requirements. Entities and relationships modeled in such ERD are defined around the business's need. The need of satisfying the database design is not considered yet. Conceptual ERD is the simplest model among all.

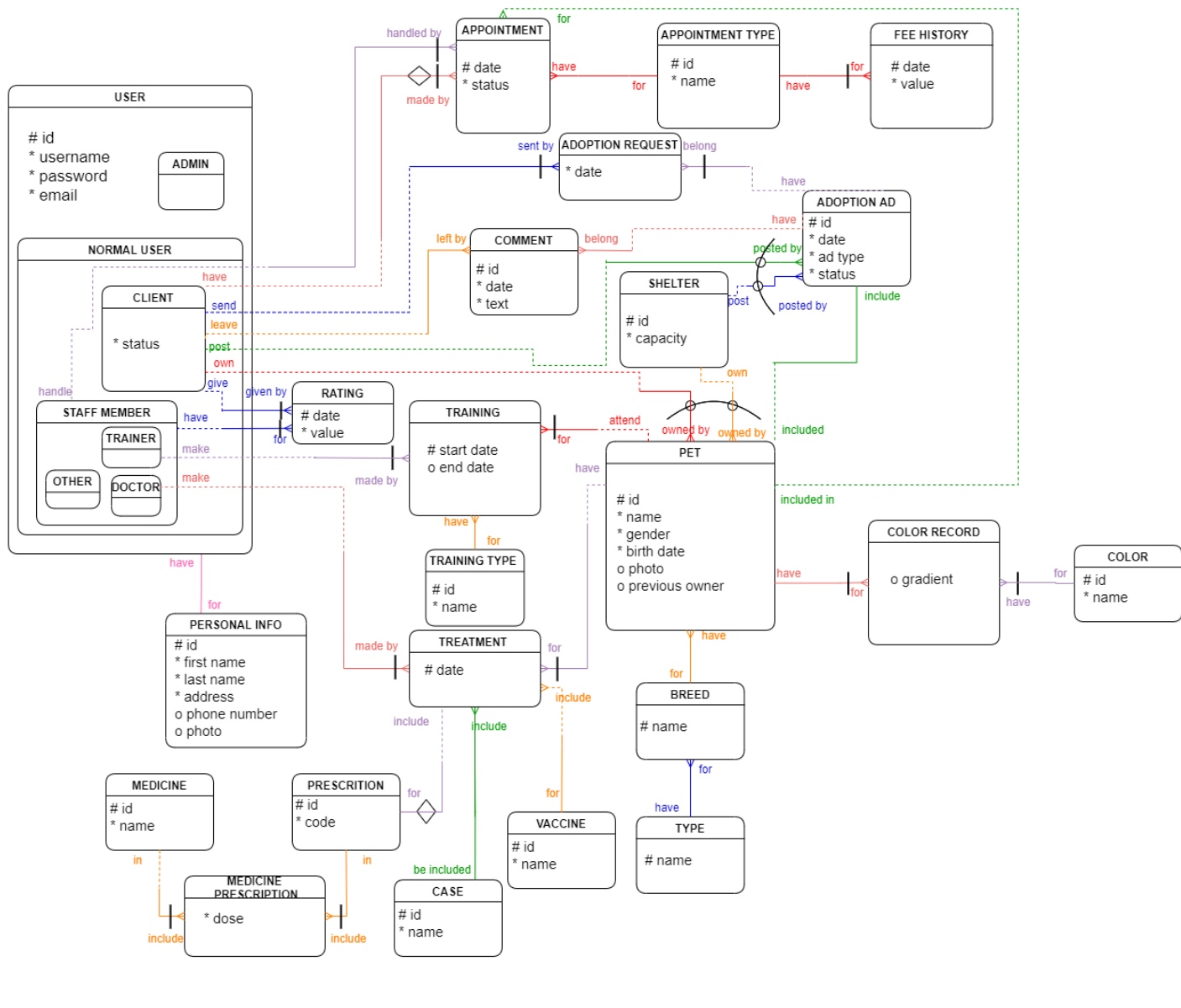


Figure 2..1.1.2. ERD diagram

2..1.1.3 The intended system's physical ERD

Physical ERD represents the actual design of database. It deals with conversion from logical design into a schema level design that will be transformed into relational database. When modeling a physical ERD, Logical ERD is treated as base, refinement occurs by defining primary keys, foreign keys and constraints.

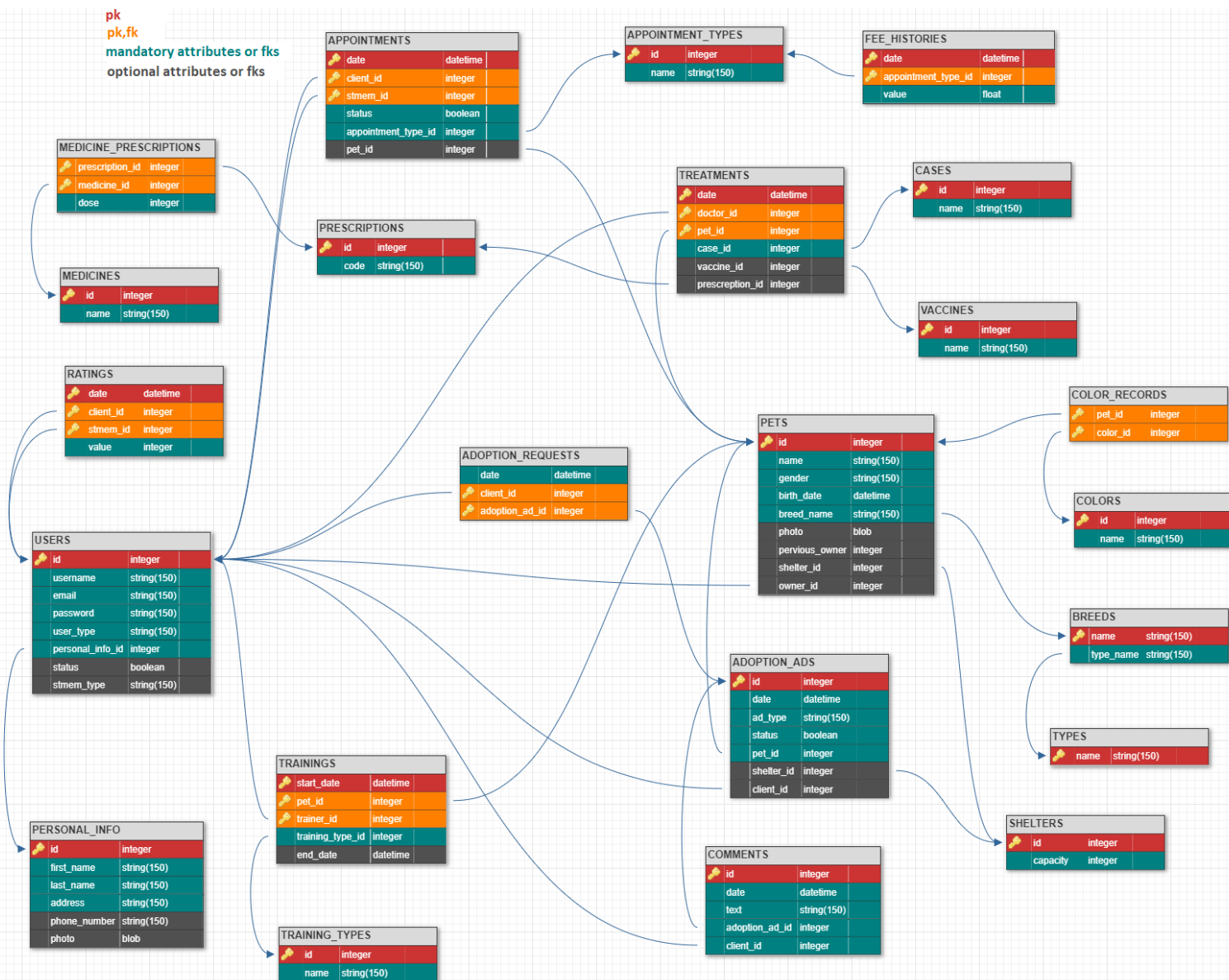


Figure 2..1.1.3. physical ERD

Later, the following modification was done on the tables that represent the entities treatment and prescription:

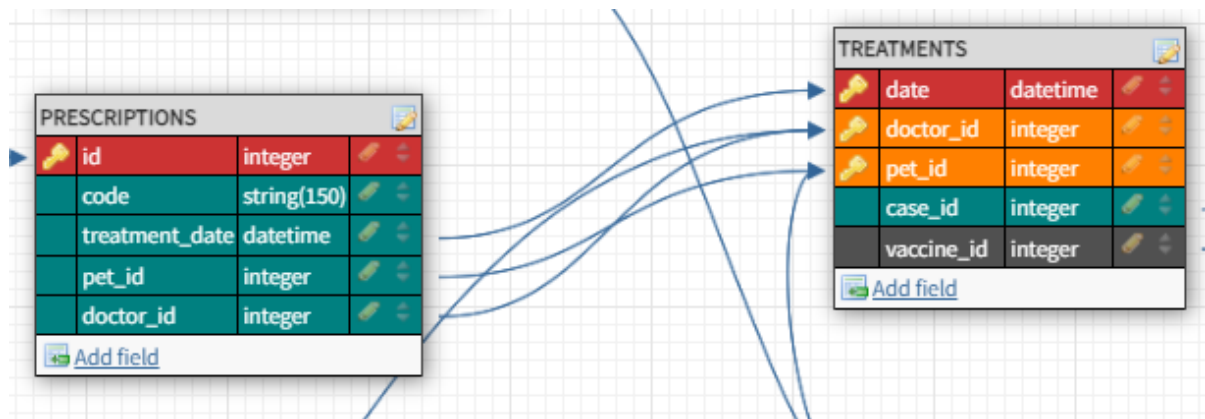


Figure 2..1.1.4. physical ERD modification

Then, creation of the database was done via mysql statements.

The following is a sample of the code used to create one of the tables, the pets table, with its constraints and foreign keys:

```
CREATE TABLE `PETS` (
  `id` INT NOT NULL AUTO_INCREMENT,
  `name` VARCHAR(150) NOT NULL,
  `gender` VARCHAR(150) NOT NULL,
  `birth_date` DATETIME NOT NULL,
  `breed_name` VARCHAR(150) NOT NULL,
  `photo` MEDIUMBLOB,
  `previous_owner` INT,
  `shelter_id` INT,
  `owner_id` INT,
  PRIMARY KEY (`id`)
);

ALTER TABLE `PETS` ADD CONSTRAINT `PETS_fk0` FOREIGN KEY
(`breed_name`) REFERENCES `BREEDS`(`name`);
```

```
ALTER TABLE `PETS` ADD CONSTRAINT `PETS_fk1` FOREIGN KEY (`shelter_id`)
REFERENCES `SHELTERS`(`id`);
```

```
ALTER TABLE `PETS` ADD CONSTRAINT `PETS_fk2` FOREIGN KEY (`owner_id`)
REFERENCES `USERS`(`id`) ON DELETE CASCADE;
```

Since the database contained arcs, subtypes and supertypes there was a need for check constraints as the following:

```
ALTER TABLE `prescriptions` ADD CONSTRAINT `PRESCRIPTIONS_fk2` FOREIGN
KEY (`pet_id`) REFERENCES `treatments`(`pet_id`) ON DELETE CASCADE
```

```
ALTER TABLE `prescriptions` ADD CONSTRAINT `PRESCRIPTIONS_fk1` FOREIGN
KEY (`doctor_id`) REFERENCES `treatments`(`doctor_id`) ON DELETE CASCADE
```

```
ALTER TABLE `prescriptions` ADD CONSTRAINT `PRESCRIPTIONS_fk0` FOREIGN
KEY (`treatment_date`) REFERENCES `treatments`(`date`) ON DELETE CASCADE
```

```
ALTER TABLE `adoption_ads` ADD CONSTRAINT arc_adoption_ad CHECK (shelter_id
is NULL OR client_id is NULL);
```

```
ALTER TABLE `pets` ADD CONSTRAINT arc_pet CHECK (shelter_id is NULL OR
owner_id is NULL);
```

```
ALTER TABLE `users` ADD CONSTRAINT users_subtypes CHECK ((user_type = "client"
AND stmem_type is NULL ) or (user_type = "stmem" AND stmem_type is not NULL) );
```

To make sure the database was modeled and designed correctly, some tests were done. Here is an example:

The following query, returns all the appointments done in the pet clinic with its relative data, such as the doctor's name, client's name, pet's name, the date of the appointment, its fee and its type.

```
SELECT p_staff.first_name as doctorName, p_client.first_name as clientName ,
pets.name as pet_name, appointments.date, appointment_types.name as app_type, fee_histories.value as fee
FROM appointments
INNER JOIN users u_staff
ON u_staff.id = appointments.stmem_id
INNER JOIN users u_client
ON u_client.id = appointments.client_id
INNER JOIN personal_info p_staff
ON u_staff.personal_info_id = p_staff.id
INNER JOIN personal_info p_client
ON u_client.personal_info_id = p_client.id
INNER JOIN pets
ON pets.id = appointments.pet_id
INNER JOIN appointment_types
ON appointment_types.id= appointments.appointment_type_id
INNER JOIN fee_histories
on appointments.appointment_type_id = fee_histories.appointment_type_id where YEAR(fee_histories.date) = YEAR(appointments.date)
```

The result was as following:

doctorName	clientName	pet_name	date	app_type	fee
wisam	rami	sam	2021-02-08 00:00:00	Grooming	75
reem	rami	sam	2021-02-10 00:00:00	Examination	150

Another example:

This query returns all the relative data that shows all the pets in the database with their training, treatment, name, breed, and type.

```
select p.name as pet_name, bt.name as pet_type, b.name as pet_breed,
tr.date as treatment_date, cases.name as caseName, v.name as vaccine,
doctor.username as doctorUsername,
train.start_date as training_start_date,
traint.name as training_type,
trainer.username as trainerUsername
FROM pets p
left outer JOIN breeds b on p.breed_name = b.name
left outer JOIN pet_types bt on bt.name = b.type_name
left outer JOIN treatments tr on tr.pet_id = p.id
left outer JOIN cases on tr.case_id = cases.id
left outer JOIN vaccines v on v.id = tr.vaccine_id
left outer JOIN users doctor on tr.doctor_id= doctor.id
left outer JOIN trainings train on p.id = train.pet_id
left outer JOIN users trainer on trainer.id = train.trainer_id
left outer JOIN training_types traint on traint.id = train.training_type_id
```

The result was as the following:

pet_name	pet_type	pet_breed	treatment_date	caseName	vaccine	doctorUsername	training_start_date	training_type	trainerUsername
shosho	cat	Abyssinian	2020-07-07 00:00:00	vaccination	FVR	reem98	2020-05-06 00:00:00	Positive Reinforcement	bashobesh
shosho	cat	Abyssinian	2020-02-08 00:00:00	spaying	NULL	reem98	2020-05-06 00:00:00	Positive Reinforcement	bashobesh
kara	cat	British Shorthair	2020-02-08 00:00:00	check-up	NULL	reem98	NULL	NULL	NULL
sam	dog	Golden Retriever	NULL	NULL	NULL	NULL	2020-02-01 00:00:00	Clicker Training	bashobesh
Bello	cat	Abyssinian	NULL	NULL	NULL	NULL	NULL	NULL	NULL

2..1.2. Project's Sprints:

2..1.2.1 First Sprint:

In this sprint the following front-end pages were designed:

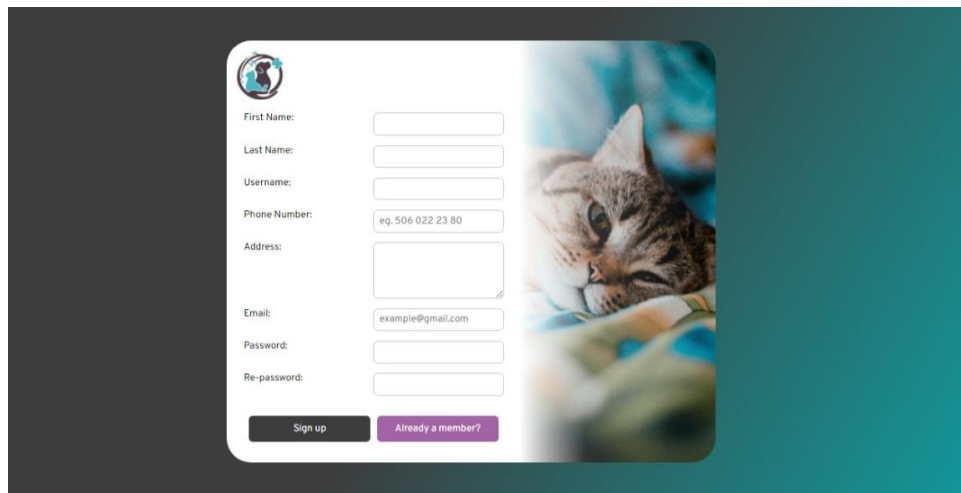


Figure 2..29.2.1.1 Signup page design

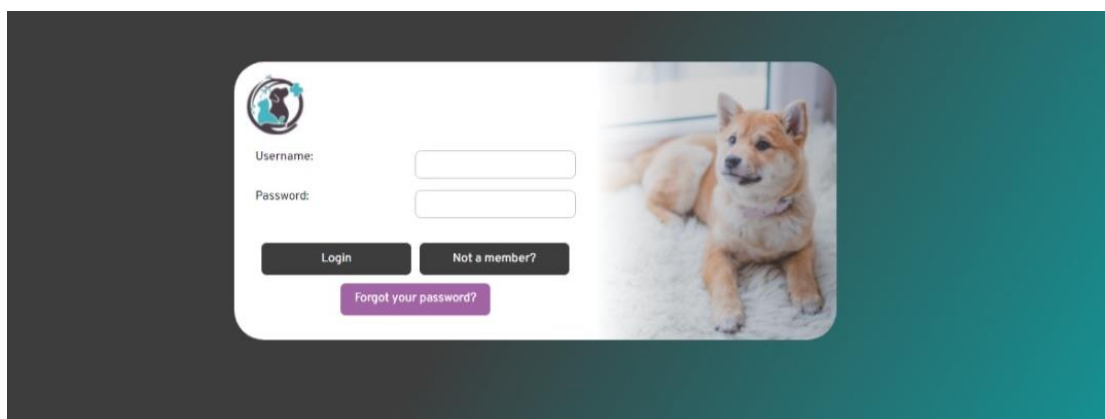
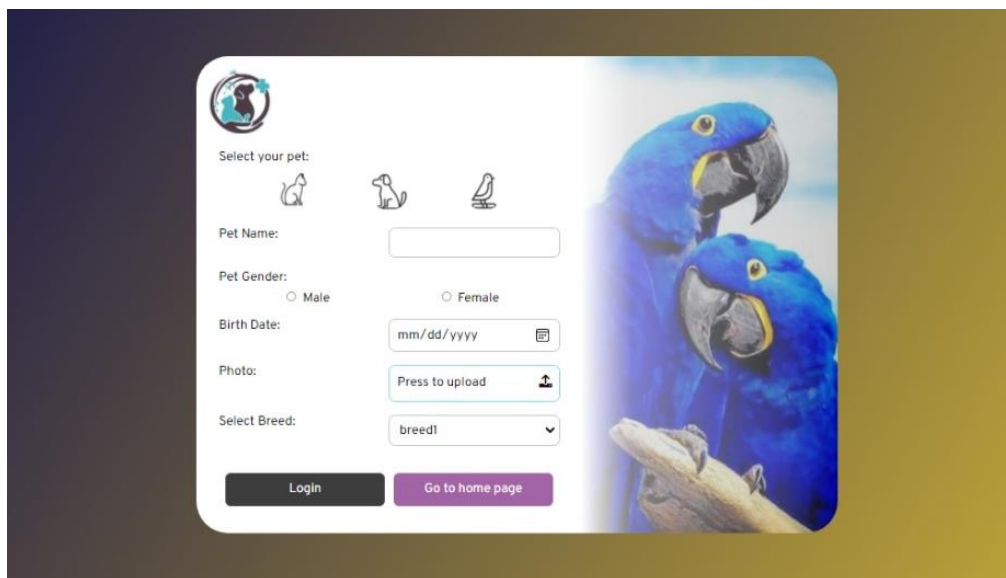


Figure 2..30.2.1.2 Login page design



The image shows a 'Register pet' form on a website. The form is white with a rounded rectangle shape, set against a dark blue background. It includes a profile picture icon at the top left. The form fields are: 'Select your pet:' with three icons (cat, dog, bird); 'Pet Name:' with a text input field; 'Pet Gender:' with radio buttons for 'Male' and 'Female'; 'Birth Date:' with a date picker showing 'mm/dd/yyyy'; 'Photo:' with a 'Press to upload' button and a camera icon; and 'Select Breed:' with a dropdown menu showing 'breed1'. At the bottom are 'Login' and 'Go to home page' buttons. To the right of the form is a large image of two blue parrots.

Figure 2..31.2.1.3 Register pet design

2..1.2.2 Second Sprint:

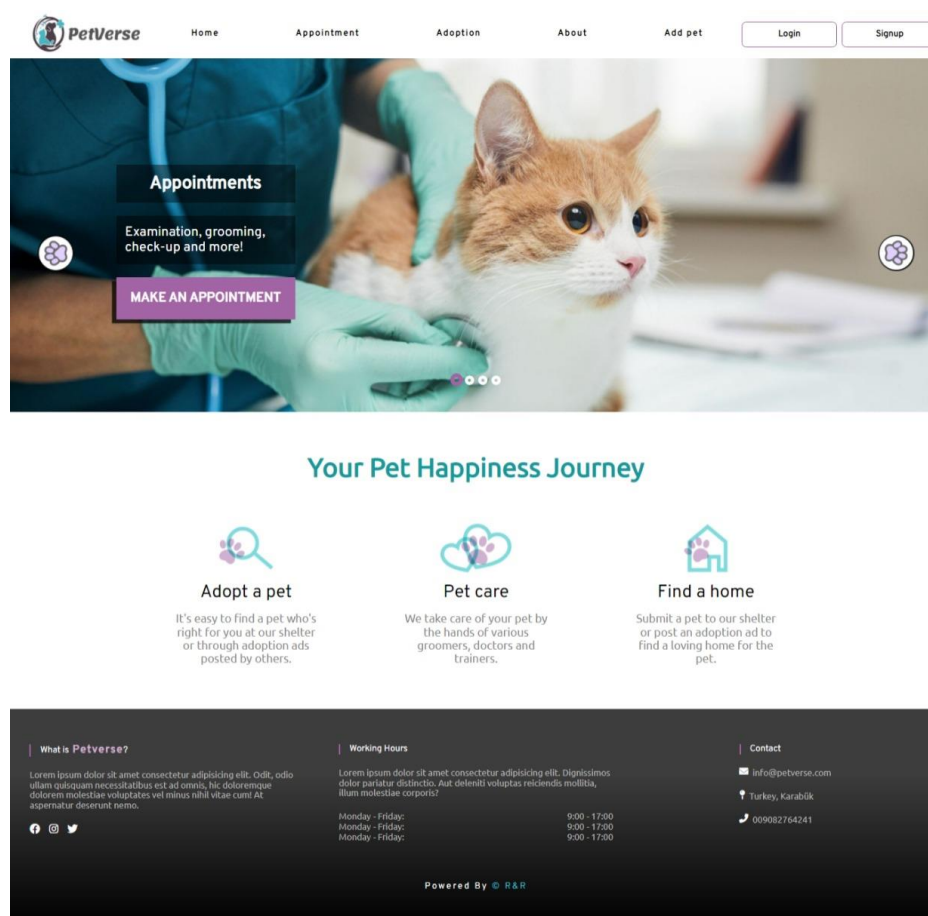


Figure 2..32.2.2.1 Home page design



Figure 2..33.2.2.2 Appointment page

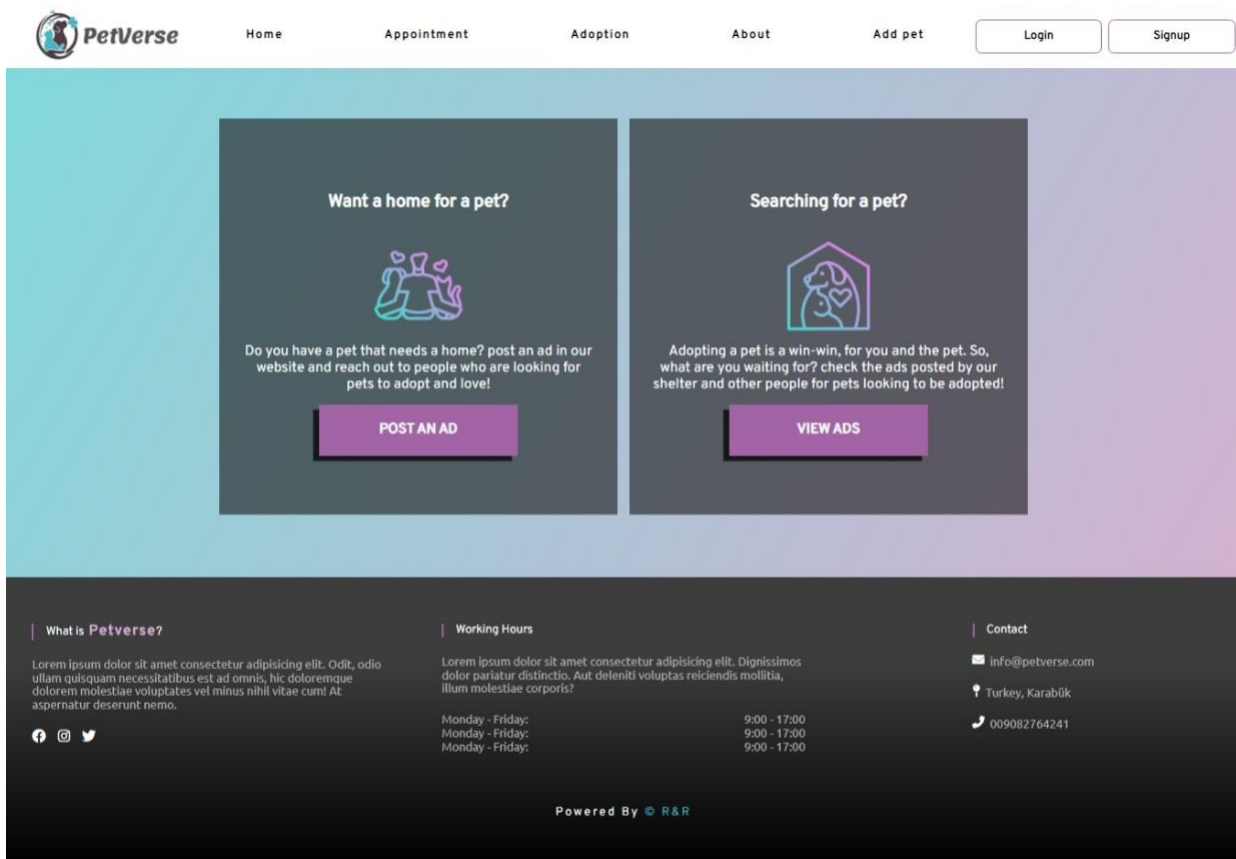


Figure 2..35.2.2.3 Adoption page

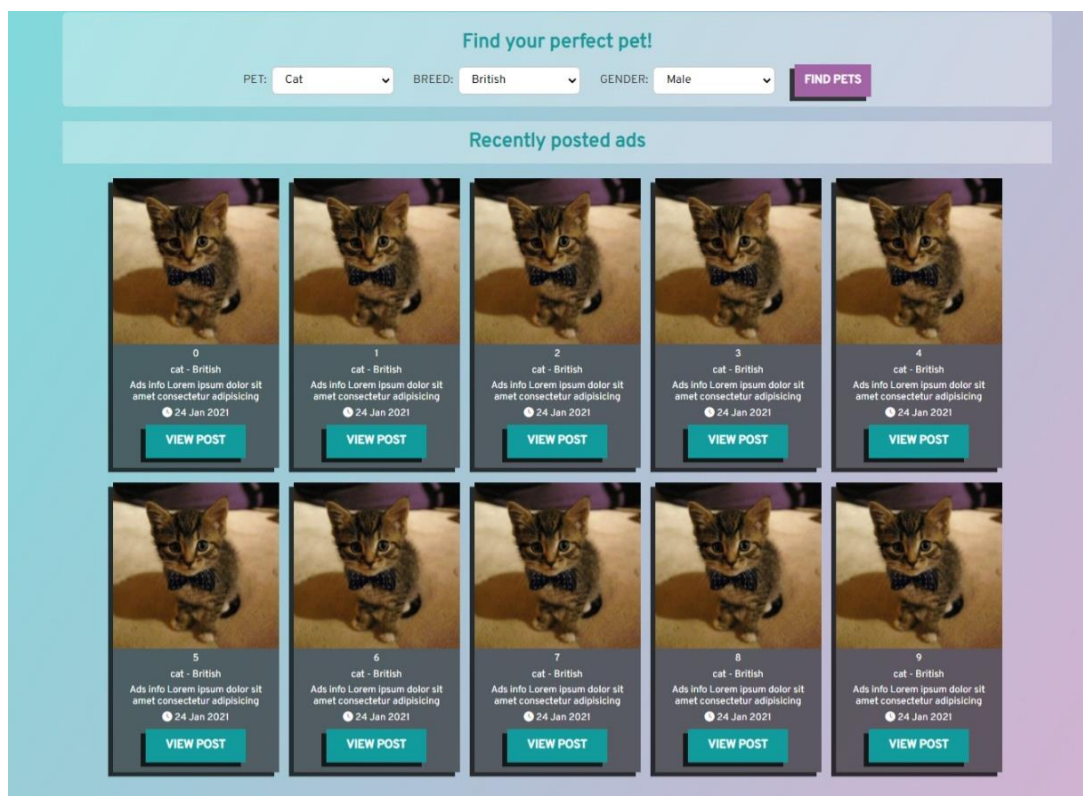




Figure 2..34.2.2.4. Adoption ads page


[Home](#)
[Appointment](#)
[Adoption](#)
[About](#)
[Add pet](#)

Login

Signup



hi i'm

Mimo

Domestic Shorthair

Age: 2 Months

Gender: Female

Color: mixed

Located with: Shelter

My story

Looking for a cute, energetic little kitten? Come meet me and see if I'm the one for you! I know I'm super adorable and playful but I also require a lot of time, energy, and attention. Maybe I could go home with another kitten friend? We do great in pairs and then you get double the love!

My trainings

Training: Catch
Trained by: Mia Smith

feel free to share a comment!




SUBMIT

Maria

so cute! does mimo require any pet supplies or are they offered by you?

What is Petverse?

Lorem ipsum dolor sit amet consectetur adipiscing elit. Odit, odio ullam quisquam necessitatibus est ad omnis, hic doloremque dolorem molestiae voluptates vel minus nihil vitae cum! At aspernatur deserunt nemo.

Working Hours

Lorem ipsum dolor sit amet consectetur adipiscing elit. Dignissimos dolor pariatur distinctio. Aut deleniti voluptas reiciendis mollitia, illum molestiae corporis?

Monday - Friday:	9:00 - 17:00
Monday - Friday:	9:00 - 17:00
Monday - Friday:	9:00 - 17:00

Contact


✉ info@petverse.com

📍 Turkey, Karabük

☎ 009082764241

Powered By © R&R

Figure 2..36.2.2.5. Adoption ad page



public Name/Surname

Your personal account

Manage Personal Info

Manage Account

Manage Pets

My Adoption posts

My Adoption Requests

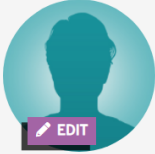
Public Profile

First Name:

Last Name:

Address:


Phone Number:



EDIT

Update Personal Info

Figure 2..37.2.2.6. My profile page design



public Name/Surname

Your personal account

Manage Personal Info

Manage Account

Manage Pets

My Adoption posts

My Adoption Requests

Adoption Posts Management





Post	Created At	Edit	Delete
Click here to view	2022/02/17 11:00 PM	Click here to edit	
Click here to view	2022/02/17 11:00 PM	Click here to edit	
Click here to view	2022/02/17 11:00 PM	Click here to edit	

Figure 2..38.2.2.7. Manage adoption posts page design



EDIT PET INFO

REMOVE PET

Pet Name:

Pet Gender:

☐ Male
☐ Female

Birth Date:

mm/dd/yyyy

Photo:

Press to upload

Select Breed:

breed1

Update Pet's info

Figure 2..39.2.2.8. Manage pets page design

2..1.2.3 Third sprint:

In this sprint the following front-end pages were designed:

The screenshot displays the PetVerse Staff Panel. The top navigation bar includes the PetVerse logo, Home, Appointment, Adoption, About, Add pet, My profile, and Logout. The left sidebar shows a user profile (Name/Surname, Your professional panel) and a list of management options: Manage Personal Info, Manage Account, Manage Appointments, Manage Adoption requests (highlighted), Manage Adoption posts, Pet Treatment history, Pet Training history, and Registration. The main content area is titled "Adoption Request Management" and contains a table with three rows of data.


Requesting	Sent At	Sent From	Delete	Edit
Click here to view	2022/02/17 11:00 PM	Yasin Ali		Active
Click here to view	2022/02/17 11:00 PM	Yasin Ali		Active
Click here to view	2022/02/17 11:00 PM	Yasin Ali		Active

Figure 2..1.2.3.1 Staff Panel, manage adoption requests

The screenshot displays the PetVerse Staff Panel. The top navigation bar includes the PetVerse logo, Home, Appointment, Adoption, About, Add pet, My profile, and Logout. The left sidebar shows a user profile (Name/Surname, Your professional panel) and a list of management options: Manage Personal Info, Manage Account, Manage Appointments (highlighted), Manage Adoption requests, Manage Adoption posts, Pet Treatment history, Pet Training history, and Registration. The main content area is titled "Appointments Management" and contains a table with three rows of data.

ID	Date and Time	Vet	Ap-Type	Pet Name	Owner Name	Delete	Status
1394	2022/02/17 11:00 PM	Yara Halimeh	Training	Mimo	Mehmet Kaya	Active	
1394	2022/02/17 11:00 PM	Yara Halimeh	Training	Mimo	Mehmet Kaya	Active	
1394	2022/02/17 11:00 PM	Yara Halimeh	Training	Mimo	Mehmet Kaya	Not Active	

Figure 2..1.2.3.2 Staff Panel, manage appointments




Name/Surname
 Your professional panel

Manage Personal Info
 Manage Account
 Manage Appointments
 Manage Adoption requests
 Manage Adoption posts
 Pet Treatment history
 Pet Training history
 Registration

Pet Treatment history

Enter pet's id:

Figure 2..1.2.3.3 Staff Panel, pet's treatment history 1



Name/Surname
 Your professional panel

Manage Personal Info
 Manage Account
 Manage Appointments
 Manage Adoption requests
 Manage Adoption posts
 Pet Treatment history
 Pet Training history
 Registration

Pet Treatment history

Enter pet's id:

Pet id	Pet name	owner	date	staff member	case	vaccine	History
1234	Mimo	Rami Sadettin	2021/0/2/18 1:07 PM	Rami Sadettin	check up	none	<input type="button" value="Update"/>

Figure 2..1.2.3.4 Staff Panel, pet's treatment history 2

Pet Treatment History

Enter pet's id:

X

Update Treatment History:

case:

prescription:

dose:

medicine:

UPDATE

Pet id	Pet name	owner	date	staff member	case	vaccine	History
1234	Mimo	Rami Sadettin	2021/0/2/18 1:07 PM	Rami Sadettin	check up	none	Update

Figure 2..1.2.3.5 Staff Panel, update treatment history

Pet Treatment History

Enter pet's id:

X

Add new treatment:

Staff Member:

case:

prescription:

vaccine:

Medicine:

ADD

Pet id	Pet name	owner	date	staff member	case	vaccine	History
1234	Mimo	Rami Sadettin	2021/0/2/18 1:07 PM	Rami Sadettin	check up	none	Update

Figure 2..1.2.3.6 Staff Panel, add new treatment

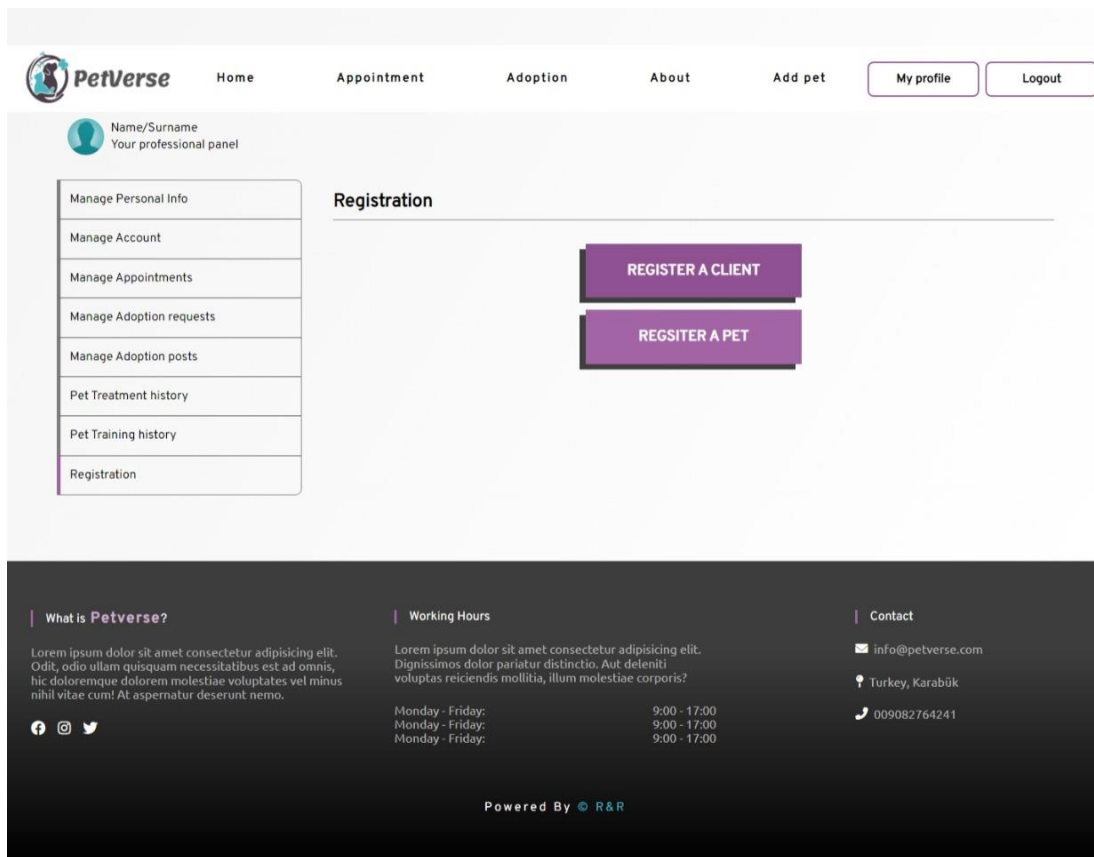


Figure 2..1.2.3.7 Staff Panel, registration

This screenshot shows the registration form within the Staff Panel. The sidebar is identical to the previous image. The 'Registration' section now displays a form with the following fields: First Name*, Last Name*, Username* (with 'frontend' entered), Phone Number* (with 'eg. 506 022 23 80' as a placeholder), Address*, Email* (with 'example@gmail.com' as a placeholder), Password* (with masked characters), and Re-password*. A 'Sign up' button is located at the bottom of the form. Above the form is a purple button labeled 'REGISTER A CLIENT'.

Figure 2..1.2.3.8 Staff Panel, register client

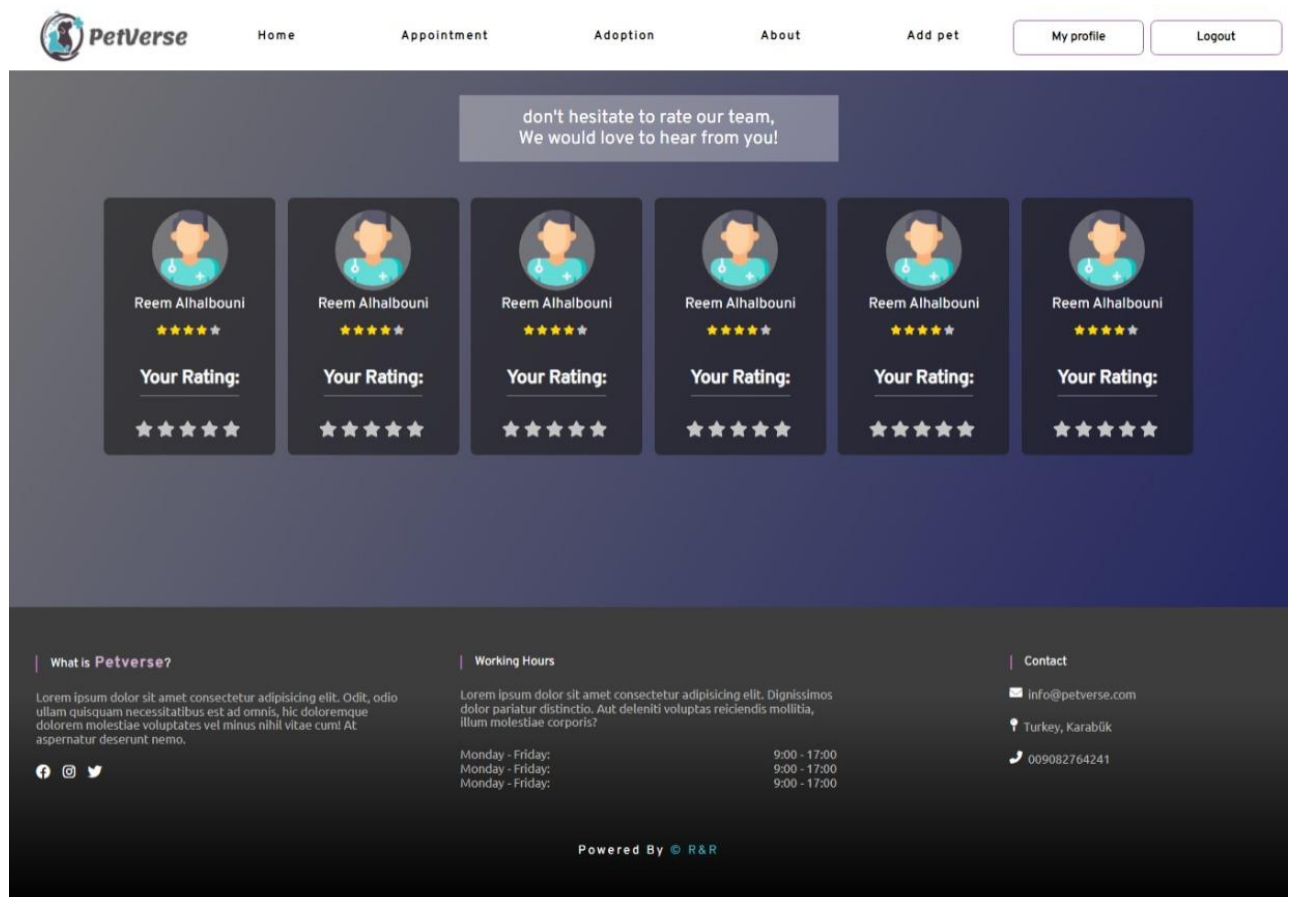


Figure 2..1.2.3.9 Staff List Page Design

2..1.2.4 Fourth sprint:

In this sprint, working on the back-end was started.

For instance, working on back-end in the following pages:

1- Registering a client:

It is necessary that a client has a unique email and username, so validation was created to ensure that.

2- Registering a pet:

When registering a pet, it is necessary to check and validate data, such as pet's birthdate, and it's necessary to retrieve breeds of a pet so it was done in this sprint.

3- Logging in:

When logging in, checking the correctness of the data entered is necessary, Both in the front-end and the backend.

4- Appointment system:

When making an appointment, the following must be retrieved:

Appointment Types, available workers, the pet that the appointment is for, and finally the available dates.

So, data must be retrieved to the user in each step.

5- Adoption System:

Surfing the adoption ads needs retrieving data from the database for all available adoption ads, also a filtering system was added to help the user find the desired adoption ads.

Posting an adoption ad to the adoption ads, requesting a pet, and accepting an adoption request, all these features were added.

6- Panels:

Staff panel is where the users can deal with various services,

Such as handling appointments, managing treatments and managing trainings

For that a panel was created for each role,

Receptionist panel:

Handle appointments and check in clients

Vet panel:

View appointments and add new treatments and prescriptions.

Trainer panel:

View appointments and add new trainings.

Groomer panel:

View appointments.

Admin panel:

Handle users, profits, and appointments and do everything.

References

1. Vet Randevu www.vetrandevu.com
2. Vet House <https://www.vethouse.com.tr/>
Hayvan Hastanesi <http://hayvanhastanesi.veterinary.ankara.edu.tr>
3. Vet House <https://www.vethouse.com.tr/>
Vet Dentist Istanbul <http://vetdentistanbul.com/randevu/>
4. Vet Randevu <https://www.vetrandevu.com/>
5. Sahibim olur musun , <https://sahibimolurmusun.com/>
Pet Surfer <https://petsurfer.com/ilan-liste/tum>
6. Zoo , <https://www.zoo.com.tr/>
Petzz Shop <https://www.petzzshop.com/>
İlan Kimden <https://www.ilankimden.com/ps/793/kopek-bakim-urunleri/>
7. [What Is Scrum Methodology? & Scrum Project Management \(digite.com\)](http://digite.com)
8. <https://www.lucidchart.com/blog/pros-and-cons-of-waterfall-methodology/>

