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School of Information Technologies

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PetPlan

Course work

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M.Sc

Tallinn 2024

Author's declaration of originality

I hereby certify that I am the sole author of this thesis. All the used materials, references to the literature and the work of others have been referred to. This thesis has not been presented for examination anywhere else.

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Introduction

PetPlan is an all-inclusive, one stop place for all information about your pet. It is meant for users who own pets, but also for veterinarians who want to give pet owners an easier way to register and trainers who want to use PetPlan for scheduling.

Because Estonia is lacking a universal pet healthcare system this would be a way for different vets to access information about a specific pet written from other veterinarians, and in general access information about a new pet coming to a specific practice. Of course, the veterinarians should have listed with PetPlan to get access.

For pet owners the main functions of the application are accessing info from vet visits about their pet(s), creating training plans for their pets (either with the help of a trainer or their own), get the ability to schedule appointments with vets or trainers through PetPlan.

For trainers the functions are meeting new clients and the ability to either share their already made training plans or just create new individual exercises.

1 Application overview

1.1 Use cases for the application

This application is meant for pet owners who want to hold all information about their pet(s), in the same place.

Functionalities designed for pet owners:

- Dashboard where you can see upcoming appointments for you pet, todays training plan and a few fun articles about the specified pet.
- Registration for veterinarian appointments and training sessions
- Health logs about your pet
- Read the blog page.

This application is also meant for trainers who want to promote themselves for pet owners and plan their work out sessions with pets.

Functionalities for trainers include:

- Ability to register new clients or returning clients for sessions.
- Make training plans for your clients.
- Publish new exercises with detailed instructions and level.
- Publish articles to the blog page.

This page is also meant for veterinarians who want to participate in a more universal health care system for pets.

Functionalities for veterinarians:

- Insert health logs for pets.
- Get registrations thorough petplan.

- See other veterinarians info about a specific pet.

There is also a place where pet owners can rate veterinary practices and vets and trainers.

Blog and the exercises can be also accessed without an account.

1.2 Database design

The database of the system is designed to hold users, pets, blogposts, appointments related to the pet, veterinary practices, exercises and health logs. Entity relationship diagram can be found in Appendix 1

1.3 User experience

In appendix 2 is an example of what the landing page of the website looks like. It composes of a header with options to register your veterinary practice, accessing the blog, list of exercises and the ability to log in. there is also a big button that gives the user the access to register themselves as a user.

In appendix 3 there is an example of the logging in process. The user needs to input their username and password to access their account.

In appendix 4 there is an example of the registration page. It asks the user for some information to create the account and to make a choice who they want to register as.

Appendixes 5 and 6 show what is the next step in registration based on what decision was made in the step before (pet owner, veterinarian). Since trainers do not need to provide more information about themselves there is no need for an additional page for that option.

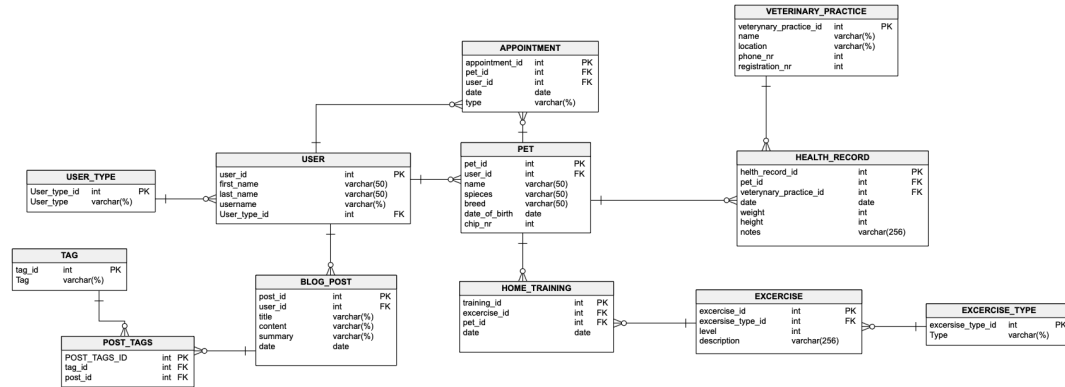
Appendix 7 shows the example of how to register a veterinary practice. While creating their veterinary profile the veterinarians need to affiliate themselves with a clinic as well.

Appendix 8 shows an example of the blog page with some blog entries. The blog page also comes equipped with a search bar and some topic choices. Appendix 9 shows a blog post open.

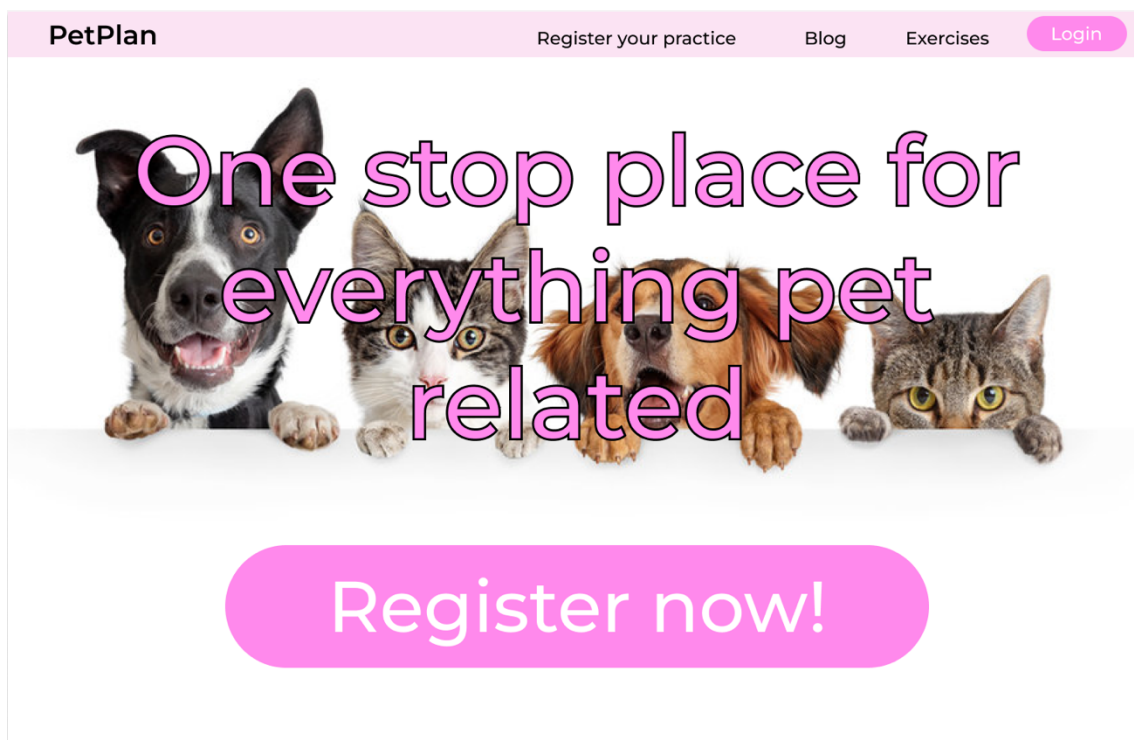
Appendix 10 shows the exercise page. It comes equipped with a search bar and a filter option based on the level of the exercise. Appendix 11 shows the exercise page open.

Appendixes 12-14 show dashboards based on which role you hold.

Appendix 1 ERD



Appendix 2 Home page



Appendix 3 Log in page

Log In

Login

Not a member yet? Register now!

Appendix 4 Registration page

A registration form UI mockup with a light pink background and rounded corners. It features a title, five input fields, a role selection section with three radio buttons, and a registration button.

Register

first name

last name

username

password

email

What is your roll?

☐ pet owner

☐ veterinarian

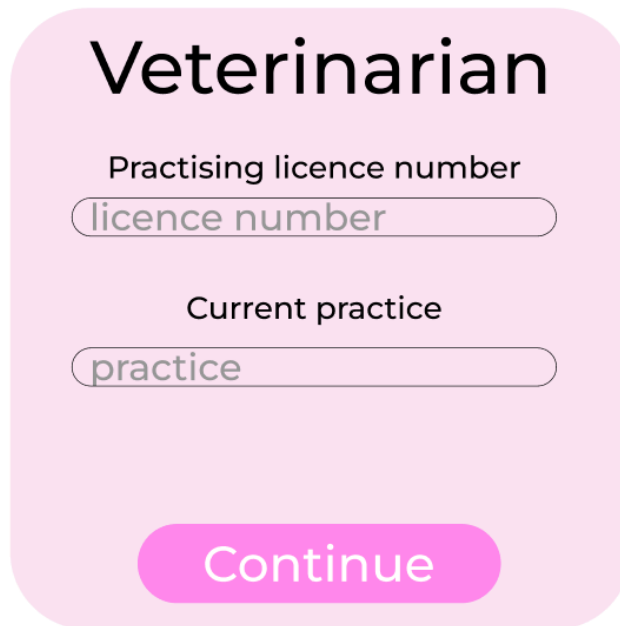
☐ trainer

Register

Appendix 5 Registration- pet owner

Pet info

Appendix 6 Registration- veterinarian



A registration form for veterinarians, presented as a light pink rounded rectangle. It features a title, two input fields with placeholder text, and a 'Continue' button.

Veterinarian

Practising licence number

Current practice

Continue

Appendix 7 Registering veterinarian practice

Register practice

Practising licence number

Register

Appendix 8 Blog page

PetPlan

Register your practice

Blog

Exercises

Login

nutrition

pet health

dog


cat

toys

review

search

Search




Can My Dog Eat: Winter Fruits & Veggies

It's important to know which winter fruits and veggies your dog can eat. Learn now!

nutrition

dog




How to Soften Dry Cat Food Into Wet Cat Food

When it comes to feeding your cat, there are two basic options: dry food & wet food.

nutrition


cat



Are Christmas Trees Dangerous for My Dog or Cat?

These green icons bring us so much cheer, yet they can be dangerous for your dog & cat.

health




Why We Love Treat Meow Squeeze & Thank You Cat Tube Treats

Introducing Treat Meow Squeeze & Thank You: the tube treats for cats that are delicious AND good for them!

review

cat




Puppy Growth Chart & Stages: How to Tell When a Puppy Is Fully Grown

Check out different sizes based on breeds!

health


dog



The Importance of Pet Gut Health


Gut health is trending in human health and wellness, but have you thought about your pet's digestive health?

health




Pet Custody: What to Do When Pet Owners Break Up

Everyone knows breakups are hard- and they're even harder when you have to decide who gets to keep



How to Find the Best Type of Cat Litter for Your Cat

Having a cat fills your life with lots of love- and litter box scooping. There are a lot of types of cat litter out there, and this guide

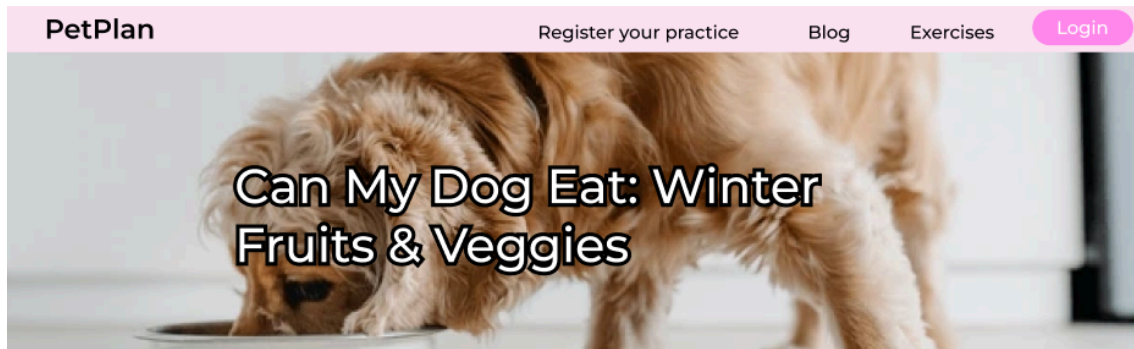


5 Ways to Give Back to Local Pets for the Holidays

The holidays are for giving back to the ones you love- and for us, that includes a whole lot of

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Appendix 9 Blog post



January 9th, 2024

by
Mary Smith, vet

If food is your love language, it makes sense that you'd want to share your delicious delicacies with your fur baby. While many human foods are safe for dogs, others are very unhealthy and dangerous, so it's important to learn which fruits and vegetables dogs can eat.

It's just as important to find out if your dog has any allergies. This is especially essential during the holidays, where many celebrations revolve around lots of food many of which can be harmful to your pet. The same is true for dog food, you should understand what is in your dog's food, and to do so you must know how to understand a dog food

Appendix 10 Exercise page

PetPlan

beginner

advanced

medium

Register your practice


Blog

Exercises


Login

search


Search




Sit
Learn how to teach your pet how to sit!
beginner




Come
Learn how to teach your pet to come to you in any situation!
medium




Attention command
Learn how to earn your pets attention with just a word!
medium




Leave it!
Teach to your pet to leave things!
advanced




Down
Teach your pet to lay on command!
beginner




Stay
Teach your pet to stay put while you walk away!
advanced



High Five
Teach your pet to give you a high five!



Crawl
Teach your pet how to crawl!

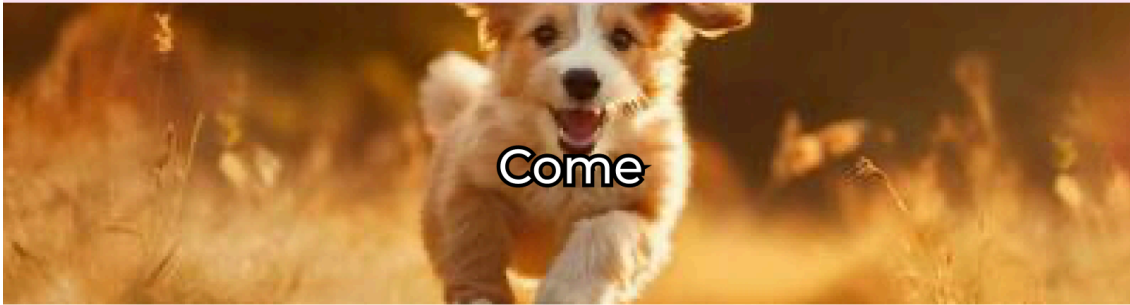


Touch
Teach your pet how to gently touch on command

16

Appendix 11 Exercise page open

PetPlan[Register your practice](#)[Blog](#)[Exercises](#)[Login](#)



by
Jane Doe, trainer

How Do I Teach the Come Command?

1. In the beginning, show your pup a high-value treat. A small piece of chicken or a purchased treat that your dog can't resist can lure even reluctant dogs. Some treats that worked great with my dogs: hot dogs, cheese, steak, and really stinky fish treats.
2. Make sure you use something he really likes. Then, say his name and "Come!" in a happy tone.
3. When teaching this, you can first show him the treat as a lure then give the command.

Appendix 12 Dashboard – pet owner

PetPlan

BlogExercisesProfile

Bookings

Health log

Training plans

Calender

Pet info

User info

Hello, Lisa!

Have a look at Mimmu's plans!

Today's exercises

Sit
Lay
Stay
Target practice


+ add new

Upcoming events

Thu, 26th January
Training session
Trainer Mary
At Sports hall

+ add new

Today's top pick



Can My Dog Eat:
Winter Fruits & Veggies

It's important to know which
winter fruits and veggies your
dog can eat. Learn now!

nutrition

dog

discover more

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Appendix 13 Dashboard – veterinarian

PetPlan

Blog

Exercises

Profile

Bookings

Health logs

Calender

Practice info

User info

Hello vet Lisa!

Today's appointments

Mimmu, dog
10.00-10.30

Mikki, cat
11.00-11.30

Säde, dog
11.45-12.15

Saskia, bird
12.30-13.00

Indy, dog
14.00-14.30

Health logs

+ add new

Appendix 14 Dashboard – Trainer view

