PetLife

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github.com/April-2022-LC-LiftOff/pet-life

Description

PetLife is an pet/animal organizer which allows pet owners to share information with veterinarians.

Veterinarian can create a veterinarian account accessing all pet information in the database.

Pet owners can create pet profiles to include history, behavioral and medical information.

Features

- Owners can create, read, update and delete their pet profiles that cover name, sex, age, birthday, surgeries, vaccines, etc.
- Owners can upload a picture of their pets.
- Veterinarians can create a vet profile and have access to all pet information in the database.
- Veterinarians can read and update all pet profiles.
- Owners and veterinarians can create a secure login and encrypted password that is stored in database.

Planning - User Stories

Our group user stories began with the love of pets and the lack of technology available to provide information to pet veterinarians.

This application provides easy access to pets information such as history, medical or behaviors eliminating the need for both veterinarians and pet owners to keep paper records.

Planning - Database

Our database includes a user table that stores usernames, encrypted passwords and reset encrypted passwords.

A many to many Role table that provides different views based on owner or veterinarian.

A one to many pet table that includes history of pet, pet image path, medical, shots and surgery records.

Technology Stack

- Java
- JavaScript
- Spring Boot
- Spring Security
- Thymeleaf
- Bootstrap
- MySQL

Demo

What I Learned

- @query annotation to select user by email
- Spring Security to create user profile based on their role
- Spring Security encrypt passwords store in database and to reset encrypted passwords kept in database
- Spring Security to allow pet owners to upload images
- Implement Bootstrap to make pages look nicer
- Implement JavaScript code to cooperate with Spring Boot MVC and Thymeleaf project
- Having a photo slideshow in the home page

What's Next

- We would like the owner to select only certain veterinarians to access certain pets.
- The pet owner should to be able to export information to print.