

Veterinary Reports Management System



GROUP ASSIGNMENT

IS2106

TEAM NAME : *Createrz*

Team Members

Index No	Name	E-mail	Phone No
21CIS0027	KK Shaminda	kkshaminda@std.foc.sab.ac.lk	071-4348841
21CIS0028	WP Kavinda	prabathkavindaw@std.foc.sab.ac.lk	075-0857447
21CIS0100	AMTA Bandara	amtabandara@std.foc.sab.ac.lk	071-4045769

Evaluation

Name	Date	Reason For Change	Version
Req. gathering	2024/05/18	Gathering & analyzing software requirements specification.	1
System Design	2024/05/22	Inserting in depth analysis with necessary diagrams.	2
UI/UX Design	2024/05/31	Adding the UI/UX designs with very brief explanation.	3

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Veterinary Reports Management System

1. Introduction

1.1 What is a System?

- **How Do Systems Work?**

A system is a collection of entities that collaborate to complete tasks. Consider it as a collection of components that cooperate to reach a single objective. It might be anything from a computer system running applications to assist you with your homework to your body's organs cooperating to keep you alive.

- **Why Are Systems Necessary?**

Systems are necessary because they simplify life. Imagine for a moment how crazy life would be if your body didn't have systems for eating, breathing, and pumping blood! In the same way, systems facilitate task organization, time savings, and problem-solving effectiveness. They serve as the well-organized framework necessary to do tasks efficiently.

- **The Difference Between Computerized and Physical Systems**

When we make computerized system user can access from anywhere and anytime and also from multiple devices. They only need to create an account. But with a physical system it can't be done. And also data protection is the majority thing. With a paper-based vaccine card they surely lost it but if they have system to view and download those reports it will save their time also. Likewise, there have more differences with access, security, space, cost and environmental impact.

1.2 Who is a Veterinary?

A veterinarian is a medical professional who treats animals. They provide medical care when necessary, do surgeries, and assist in maintaining the health of animals. Veterinarians care for farm animals like horses and cows, as well as wild animals and pets like dogs and cats. Their duties include monitoring animal welfare and assisting owners in providing proper care for their pets.

1.3 What is our main focus issue?

We mainly focus for one task. That means, when pet owners go to get vaccines for their pets, they will receive a vaccine card. Most of time they dismissed this vaccine card because of careless. So, we will make web-based system for both veterinarian and pet owners. Pet owners can access to this system and find all medical reports regarding to their pets.

2. Requirements gathering

Gathering requirements for the Veterinary Reports Management System involves understanding the needs and expectations of various stakeholders, including veterinarians, clinic staff, and pet owners. According to this topic we can divide these requirements into several parts. They are on below.

i. Functional Requirements:

- User Registration: Allow users (veterinarians, clinic staff, and pet owners) to register with unique credentials.
- Password Recovery: Implement a password recovery system via email.
- Report Upload, Report Viewing, Report Download, Report Search, Report History, Report Notification options.

ii. Non-Functional Requirements:

- Speed: Optimize for fast loading times and quick report downloads.
- User-Friendly Interface.
- Mobile Compatibility.

iii. Technical Requirements:

- System Architecture: Develop a web-based application accessible through modern browsers.
- PDF Generation.
- Email Service

iv. Operational Requirements:

- Choose a reliable hosting provider for deploying the system.
- Provide user support via email or helpdesk for resolving issues.

v. User Requirements:

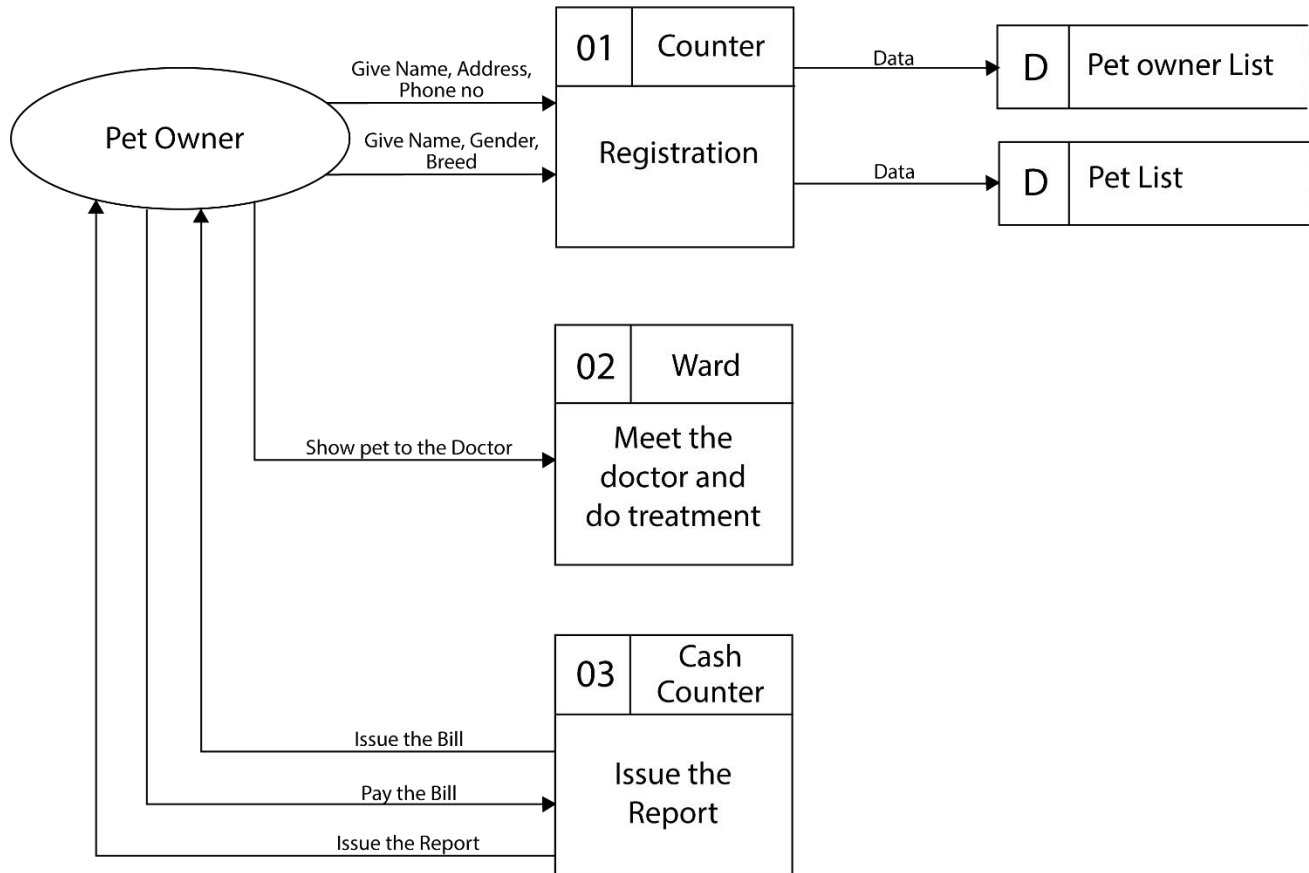
- Veterinarians and Clinic Staff : Ability to upload, edit, and manage vaccine reports.
: Ability to manage user roles and permissions.
- Pet Owners : Ability to view and download vaccine reports for their pets.
: Receive notifications when new vaccine reports are available.

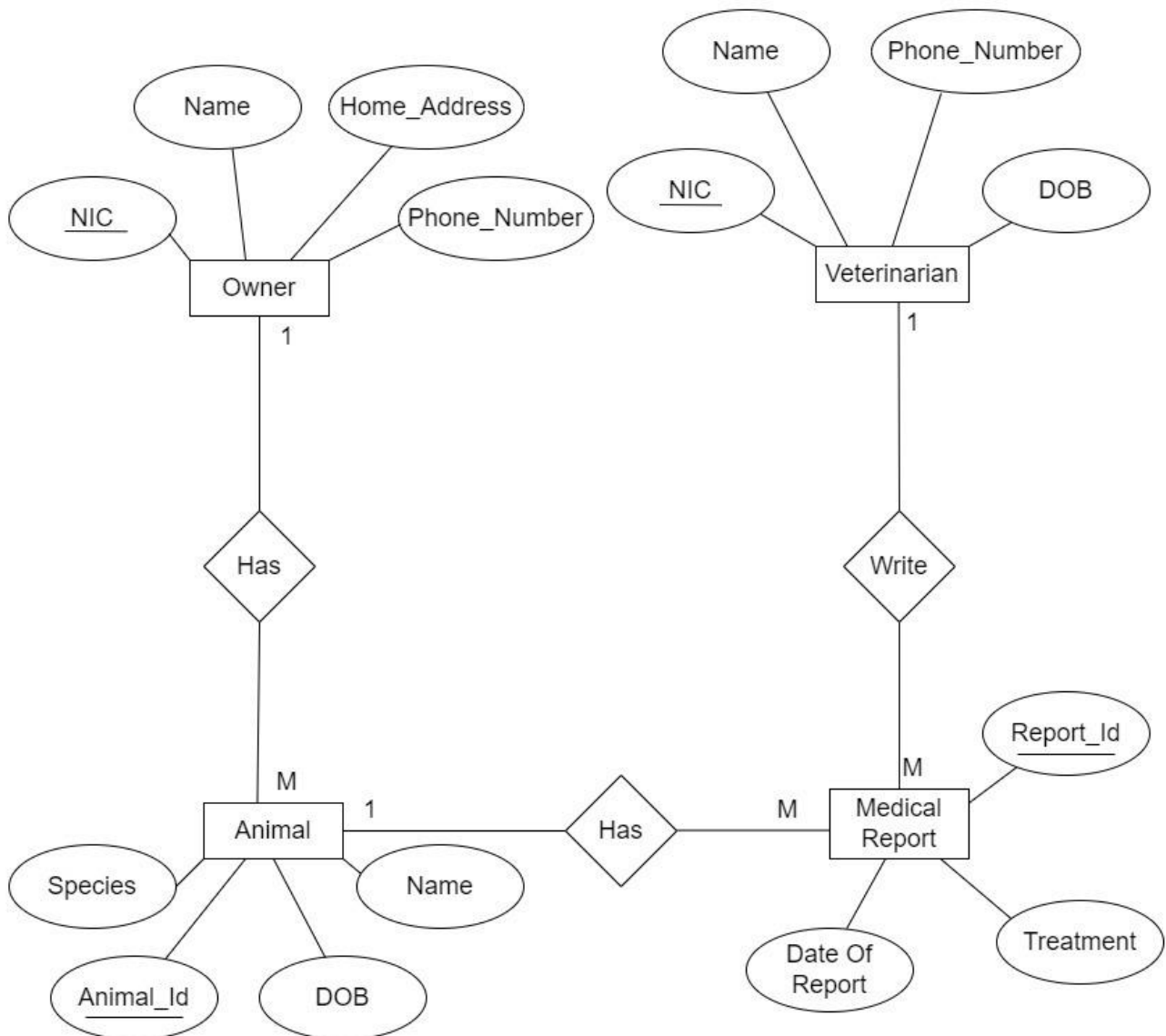
vi. Requirements for Training and Support:

- What materials for training will be required to integrate village officers with the system?
- How will the system be maintained and supported going forward?

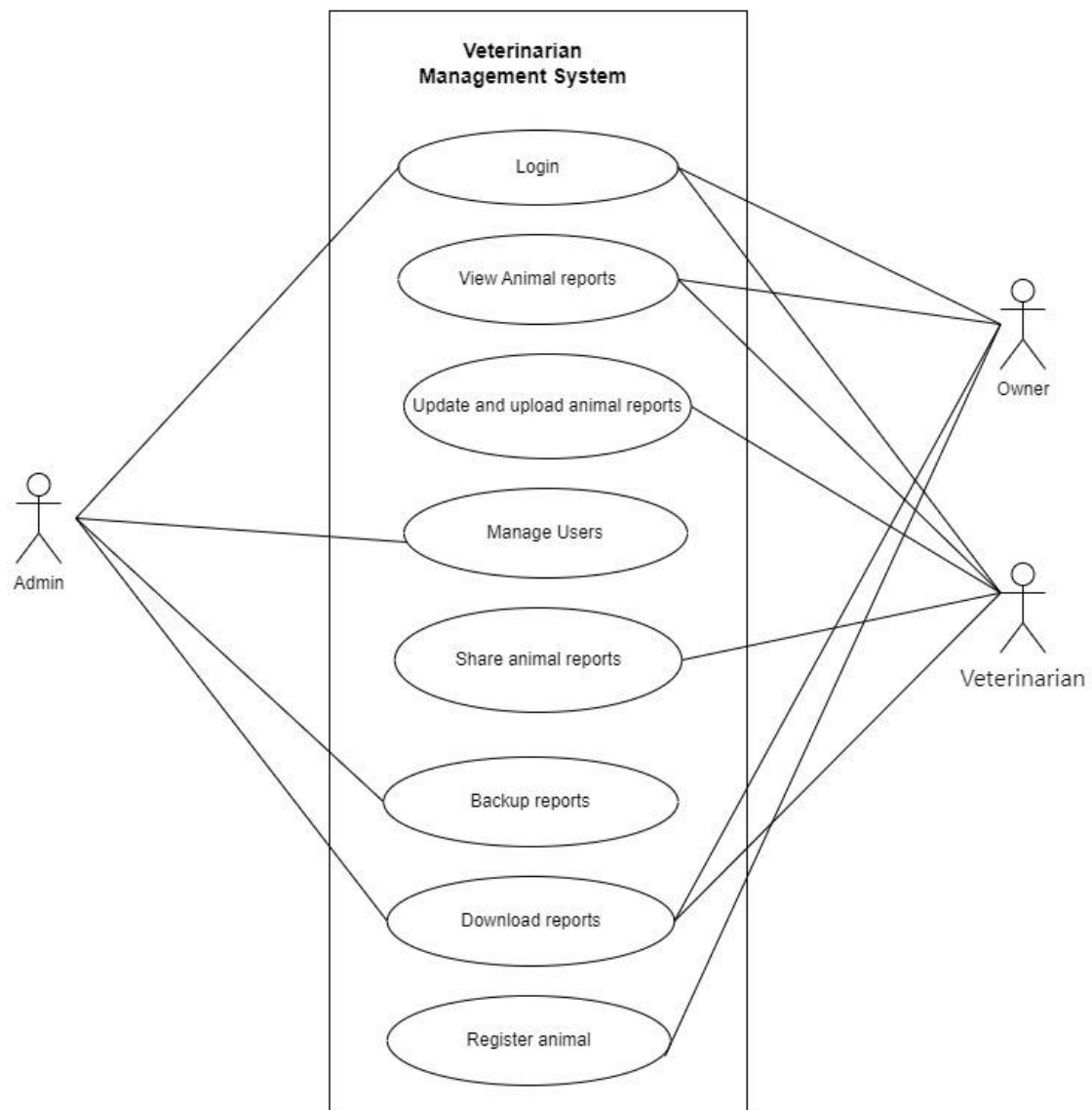
3. System Design

i. Data Flow Diagram



ii. ER Diagram

iii. Use case Diagram



4. UI/UX Design

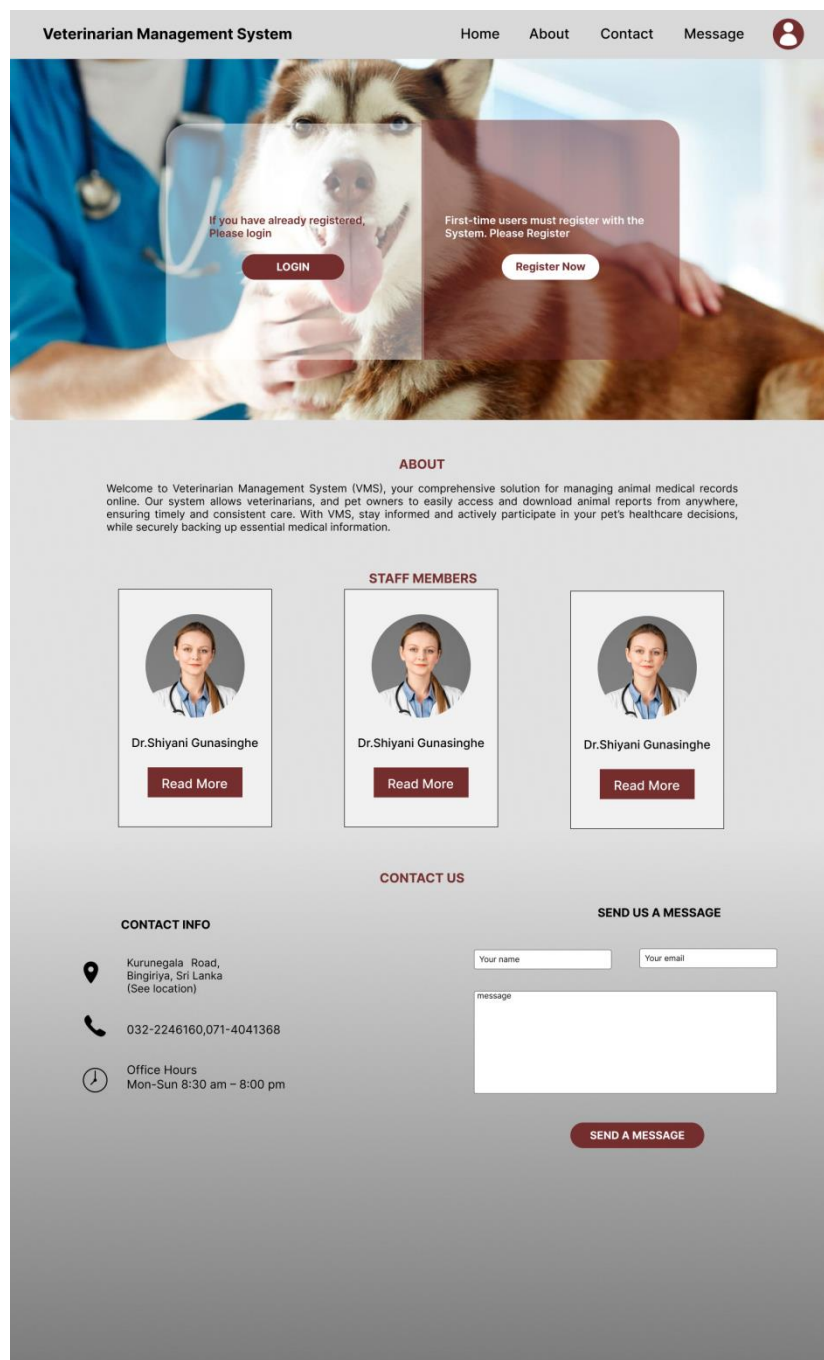
We used Figma tool to create the design of UI/UX. Here is the link to view our Figma project.

<https://www.figma.com/design/213CmnMoCoQrMpN7V8VfrJ/Project?node-id=0-1&t=CkiBhgMBACWvhYEa-0>

Basically, we hope to create 08 GUI s to work with this website. We will explain how it works with relevant screen.


i. Desktop – 01

This is our Homepage.





ii. Desktop – 02

When user click on Login button it will come to this page. This is the user login interface.



Login

Email 

Password 


☐ Remember me [Forget Password?](#)

LOGIN

[Don't have an account? Register](#)

iii. Desktop – 03

If user hasn't registered yet he/she can register to the system through this Interface.



REGISTRATION FORM

PET OWNER REGISTRATION

First Name*	Last Name*
Address*	NIC Number
Mobile phone No*	Home phone No*

Enter Your Account Details below


Email address*
Password*
Password Again*

Clear **Submit**

[Already have an account? Login](#)

iv. Desktop – 04

This interface for register their pets.




PET REGISTRATION

<input type="text" value="Pet Name*"/>	<input type="text" value="Age*"/>
<input type="text" value="Kind*"/>	<input type="text" value="Breed*"/>
<input type="text" value="Gender*"/>	<input type="text" value="Coat / Hair colour"/>

v. Desktop – 05

This interface will helps to find pet's details through the pet owner's details.



Pet Owner

Owner Name	<input type="text"/>	NIC Number	<input type="text"/>
Phone Number	<input type="text"/>	Number of Pets owned	<input type="text"/>

Pets

Pet Name	View Deatails
----------	-------------------------------

vi. Desktop – 06

In desktop 5, “View Details” button will continue to this page and there will display the full medical details of the selected Pet.

Pet Name

Date	Doctor	Information	Next clinic Date	Report
				

vii. Desktop – 07

This is the Doctor's interface. When doctor log in to the system he will access to this page and there have the relevant details need him.

Doctor

Enter Owner ID

Owner Name

Phone Number

Select Pet Name

Number of Pets owned

Search

Date	Information	Report	Next Clinic Date

+ Add

Update

🗑 Delete

viii. Desktop – 08

This is our last interface and this can be access to Admin only.

Admin

Manage Pet
Owners

Manage
Doctors

Download
Reports