

**PUSL2021**  
**COMPUTING GROUP PROJECT PROPOSAL**  
**AnimalGuardian**

Prepared For:

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Prepared By:

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## **Content**

1. Introduction
2. Objectives
3. Target Users
4. Application Features and Description
5. Time Frame
6. Conclusion

## Introduction

There has never been a more pressing need for creative solutions that improve the welfare of our cherished animal companions in the quickly changing digital landscape. Our proposal is to create a digital ecosystem that links veterinarians, pet owners, animal trainers, pet care facilities, and animal salons with an all-inclusive mobile application called 'AnimalGuardian'. Through facilitating smooth communication between pet owners and specialists, providing vital insights on animal health and well-being, and bridging the gap between the two, this ground-breaking application aims to completely transform the way we care for and protect our furry pets.

In a world where pets hold a special place in our hearts, this application will serve as a vital tool for ensuring the physical and emotional health of animals. It will provide pet owners with a convenient platform to register their animals and maintain their health records, including vaccination details, disease history, and treatments. On the other side, professionals, including veterinarians, trainers, pet care centers, and animal salons, will have access to a collaborative network where they can monitor and provide services to ensure every pet's optimal health and happiness.

AnimalGuardian seeks to enable skilled professionals and pet owners to collaborate in order to provide a safer, healthier, and more joyful environment for our pets as the public's awareness of animal welfare grows. This initiative has the potential to be a major turning point in the field of animal healthcare and well-being since it has the ability to change how we care for animals and the interactions between pet owners and animal care specialists.

This proposal outlines our vision for this innovative and timely project, emphasizing its potential to improve the lives of animals and pet owners while providing a powerful platform for professionals in the animal care industry. To implement a secure application which gives ease of interaction for all users is a goal. It is our hope that this application will lead to a more harmonious and caring world for our furry companions, strengthening the bonds between humans and their pets, and ultimately improving the quality of life for all.

## Objectives

The primary objectives of AnimalGuardian are as follows;

**Streamlined Pet Healthcare** - Develop a centralized platform that allows pet owners to efficiently manage their pets' healthcare records, including vaccination schedules and disease tracking.

**Enhanced User Experience** - Create a user-friendly and intuitive mobile application for pet owners, animal hospitals, and service providers, enhancing accessibility and ease of use.

**Connected Pet Community** - Establish a collaborative community where pet owners, certified veterinarians, animal trainers, pet care centers, and grooming salons can interact seamlessly.

**Data Privacy and Security** - Implement robust security measures to safeguard sensitive user and pet data, ensuring user trust and data protection.

## Target Users

AnimalGuardian caters to a diverse range of users;

**Pet Owners** - Individuals who own pets and seek a unified platform for pet healthcare management, vet appointments, and access to various pet services.

**Animal Hospitals and Veterinarians** - Certified professionals requiring a platform for patient management, medical records, and communication with pet owners.

**Animal Trainers** - Trainers and behaviorists who offer training services to enhance the relationship between pets and owners.

**Pet Care Centers** - Facilities that provide pet daycare, boarding, and other pet care services.

**Animal Salons** - Grooming experts offering pet grooming and beauty services.

## Application Features and Description

- **For Pet Owners**

**Vaccination Records** - Users get to maintain vaccination records, receive vaccination reminders, and access the vaccination history.

**Disease Tracking** - Log and monitor pet disease history, and treatments and share this information with veterinarians.

**Hospital Directory** – A feature to explore and connect with nearby animal hospitals and access detailed profiles.

**Service Providers** - This feature helps users access a comprehensive directory of certified trainers, pet care centers, and grooming salons.

**Community** - Connect with fellow pet owners, share experiences, and provide for services and professionals.

- For Animal Hospitals and Veterinarians

**Pet Registration** - Veterinary staff can effortlessly register pets by providing detailed information, such as breed, name, age, and medical history/information.

**Hospital Dashboard** - Management staff including veterinarians are able to view and maintain medical records and oversee vaccination schedules.

**Disease Diagnosis** - Veterinary members can record and monitor pet diseases, and treatments and share treatment plans and progress with pet owners.

**Communication** – A feature for seamless communication channels between hospitals, pet owners, trainers, and other service providers.

- For Service Providers (Trainers, Pet Care Centers, Salons)

**Service Listings** – Service providers can create comprehensive profiles that include contact details, location etc and list their services.

## Time Frame

Task name	Start date	End date	Duration	Progress	Status	12	13	14	15	16
	10/13/2023	03/25/2024	936h	10%						
1 <input type="checkbox"/> Project Kick Off	10/13/2023	10/18/2023	32h	25%						
1.1 Team Formation And Role	10/13/2023	10/16/2023	16h	20%	In progres					
1.2 Define Project Scope	10/17/2023	10/18/2023	16h	30%	In progres					
2 <input type="checkbox"/> Research And Planning	10/19/2023	11/01/2023	80h	28%						
2.1 Requirements Gathering	10/19/2023	10/24/2023	32h	40%	In progres					
2.2 Project Planing	10/25/2023	11/01/2023	48h	20%	In progres					
3 <input type="checkbox"/> Development	11/02/2023	01/15/2024	424h	14%						
3.1 Backend Development	11/02/2023	12/15/2023	256h	10%	In progres					
3.2 Frontend Development	12/18/2023	01/15/2024	168h	20%	In progres					
4 <input type="checkbox"/> Testing And QA	01/16/2024	02/19/2024	200h	0%						
4.1 Testing And Bug Fixing	01/16/2024	02/19/2024	200h	0%	Open					
5 <input type="checkbox"/> Development And Launch	02/20/2024	03/14/2024	144h	0%						
5.1 Development And Launch	02/20/2024	03/06/2024	96h	0%	Open					
5.2 Final Testing And Readin...	03/07/2024	03/14/2024	48h	0%	Open					
6 <input type="checkbox"/> Project Conclusion	03/15/2024	03/25/2024	56h	0%						
6.1 Final Documentation	03/15/2024	03/20/2024	32h	0%	Open					
6.2 Project Review And Wra...	03/21/2024	03/25/2024	24h	0%	Open					



Link :

[https://liveplymouthac-my.sharepoint.com/:b:/g/personal/10898516\\_students\\_plymouth\\_ac\\_uk/EX51RlpEtkBKoNt-s0\\_VhAcB9oCLQEYurk4mLoaV1JKMdQ](https://liveplymouthac-my.sharepoint.com/:b:/g/personal/10898516_students_plymouth_ac_uk/EX51RlpEtkBKoNt-s0_VhAcB9oCLQEYurk4mLoaV1JKMdQ)

## Conclusion

AnimalGuardian is set to revolutionize the way pet owners manage their pets' health, grooming, and overall well-being. The platform is designed to be secure, user-friendly, and all-encompassing, meeting the diverse needs of pet owners, hospitals, and service providers.

The successful development and implementation of AnimalGuardian present an exciting opportunity to enhance the quality of life for pets and their owners, fostering a healthier and happier pet community.