

**Cuddly PetZ - A platform to manage and organize your pet
information details**

Randhi Mayanka Amarasekara

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Abstract

Pets such as dogs and cats are a great blessing in anyone's life. Pets are creatures that will accompany humans for entertainment. According to many research articles, there are positive impacts of having pets such as helping to reduce blood pressure, stress, and loneliness. However, even though many applications are available for pet owners to manage the health and well-being of their pets in other countries, there are very few applications available in Sri Lanka. Even the available applications are incomplete or mainly facilitate various pet clinic's requirements only. Therefore, almost all pet owners use paper booklets and physical medical record files to manage their pet's well-being. This leads to loss of information and unavailability of required information when the information is needed most to organize pet details from their side. Due to this reason, there are chances where the med booklets of their pet get lost or destroyed over time of usage.

Therefore, the main aim of this project is to analyze the problems faced by Pet owners when storing or maintaining records of their pets in Sri Lanka and to design, develop, test, and evaluate a pet information system that would help pet owners to reduce paperwork to organize pet information and make to access relevant and accurate data when required. A literature review and pilot study were conducted to analyze the problem domain, identifying underlying sub-problems. An industrial survey involving questionnaires and interviews with potential end users gathered essential requirements for developing a viable solution to address the identified problem.

To fulfill the project's aim, a cloud-based platform called 'Cuddly PetZ' was implemented. This platform provides pet owners with the convenience of storing and managing various important pet information, including vaccination records, pet diaries, and medical history. By integrating pet hospitals/clinics and pet stores, 'Cuddly PetZ' ensures that pet owners can access accurate and relevant data about their pets whenever needed. This includes information such as the nearest pet hospitals/clinics or pet stores, the available services and products offered by these establishments, and many more which is discussed in the report. Furthermore,

'Cuddly PetZ' enables pet hospitals/clinics and pet stores to showcase their products and services to pet owners within the application.

Overall, Cuddly PetZ aims to provide a streamlined and user-friendly experience that benefits pet owners, pet hospitals/clinics, and pet stores.

Keywords: Pet information management system, Pet Care, Pet Shops, Pet Hospitals, Cloud-based Web application with mobile responsive.