**A PROPOSED OFFERING OF WEB BASED PET MEDICAL RECORDS SYSTEMFOR PETLINK VETERINARY CLINIC, 10TH AVENUE, CALOOCAN CITY**

A Thesis Project Presented to the Faculty of Datamex College of Saint Adeline, Inc. In Partial Fulfillment of the Requirements for the Degree of Bachelor of Science in Information Technology

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TESTING DOCUMENTS

**Introduction**

**Purpose**

The purpose of this testing phase is to ensure that the Pet Medical Record system functions correctly and aligns with the specified requirements. It aims to identify and document any defects or errors that could impact the system’s reliability, usability, or performance. The testing process verifies that all essential features, such as pet registration, medical history tracking, vaccination reminders, and , are working as intended. Additionally, both functional and non-functional requirements are validated to guarantee efficiency and consistency. This phase also ensures that the system is user-friendly for veterinarians, pet owners, and administrative staff who will interact with it regularly. Ultimately, the main purpose is to deliver a high-quality, error-free system that supports effective pet healthcare management.

**Overview**

The Pet Medical Record system is developed to provide a centralized platform for managing pet-related information, including personal details, medical history, vaccination schedules. By offering digital record-keeping, the system eliminates the limitations of traditional manual methods, ensuring better accuracy, accessibility, and security of pet data. The testing process focuses on validating the overall functionality, usability, and performance of the system under different conditions. It ensures that the platform is easy to use, reliable, and capable of meeting the needs of both pet owners and veterinary staff. Both functional testing and user acceptance testing are conducted to ensure that the system behaves as expected in real-world usage. In summary, the overview highlights the importance of testing to confirm that the Pet Medical Record system is efficient, dependable, and ready for implementation

**Scope of the Testing**

The scope of testing defines the features and modules that will be evaluated in this phase. It includes the verification of core functionalities such as user authentication, pet registration, medical record entry, vaccination tracking. The testing also ensures that the system handles both valid and invalid inputs properly, displaying accurate outputs and relevant error messages when necessary. Reports generated by the system and vaccination reminders are also tested to confirm correctness and accuracy. However, some features are excluded from this testing phase, such as third-party system integrations and mobile notification services, which are considered future enhancements. By clearly defining what is included and excluded, the scope ensures that the testing process remains focused, structured, and aligned with the project’s goals.

**Testing Environment**

Hardware Specifications:

• Processor: Intel i5

• RAM: 8 GB & 500MB

• OS: Windows 10 / Linux Ubuntu 20.04

**Software Requirements:**

• Database: SQLite

• Backend: Python

• Frontend: HTML, CSS, JavaScript

• Browser: Microsoft Edge and Chrome

**Test Data:**

• Sample pet profiles with details (e.g., pet name, species, age).

• Sample medical history records, vaccination data, and treatments

**Testing Methodology**

• Testing Approaches:

• Black-box testing (functional validation of features).

• User acceptance testing (end-user validation).

• Tools/Frameworks Used: Manual testing and SQLite queries for data validation.

• Testing Criteria: Each module will be tested for correct input handling, error validation, and expected output generation.