Testing Document of Pet Appointment and Veterinary Record System for

Petlandia in Malolos City, Bulacan

A Thesis Project Presented to

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**TESTING**

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**INTRODUCTION**

The Testing Phase are procedure to finalize things like Pet Appointment and Veterinary Record System, to ensure whether it’s ready to deploy or not, this phase was very important for Programmer or Developer who develop the system, Tester who tests the system ensures that the system meets quality and performance standards to be able to deploy or release from Users or Clients, It aims to find problems, bugs, errors of the system to be fix.

The Testing or a Testing Phase is the process of improving the system development, to meet the requirements or a standard to perform its duty minimize the efforts or a manual intervention provide a quality performance without any disturbance come from the system that implement, that’s how very important Testing or a Testing Phase is to make sure that the system runs without any problems.

To be able to meet the clients or customer satisfaction, the creation of Pet Appointment and Veterinary Record System was the answer to lessen the manual intervention and cost for commute and, this testing phase is to ensure the quality and fit the requirement standard for realizing or deployment of Pet Appointment and Veterinary Record System.

**TESTING ENVIRONMENT**

This Section is a testing environment is a setup of software and hardware for the testing teams to execute test cases. In other words, it supports test execution with hardware, software and network configured. Test bed or test environment is configured as per the need of the Application Under Test. On a few occasions, test bed could be the combination of the test environment and the test data it operates.

**Hardware Requirement**

* Server if local: intel i5 or higher, 8GB RAM or 16 GB RAM, and stable internet.
* Clients, Staff and Admin Devices: Computer, or Laptops with Internet

**Software Requirement**

* Database: XAMPP
* Application: Visual Studio Code
* Programming Environment: PHP

**TESTING METHODOLOGY**

Automated Testing the Automation or Automated Testing Methodology automated testing or test automation, is a software testing technique that utilizes specialized tools and scripts to automatically execute predefined tests on software applications. This approach eliminates or significantly reduces the need for manual intervention in repetitive and time-consuming testing tasks to easily identify whether the systems well performed without any disruption or bugs, remains a quality performance and meet the expectations of clients or users.

The tools that used to test the system are Visual Studio Code and Xampp for Database, Xampp allows you to run and test your PHP code and database interactions locally without needing to deploy them to a remote server. This is crucial for iterating quickly and identifying issues before deployment, with appropriate extensions, Visual Studio Code It can be configured to debug the PHP code, allowing Tester to step through to program, inspect variables, and identify issues during development.

**TEST CASES**

A test case is a set of actions that verify whether the software application is working per the client’s requirements. It outlines the steps to follow, the input values to use, and the expected outcomes in order to determine whether the application behaves correctly under various conditions. Software testers are responsible for creating test cases during the software testing phase. And it consists of parameters like, test case ID, test data, description, test steps, expected result, actual result, status, and comments.

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| --- | --- | --- | --- | --- | --- | --- |
| Test Case ID | Test Case ID | Test Steps | Expected Output | Actual Output | Status | Remarks |
| TC001 | Login with valid credentials | 1. Enter username 2. Enter password 3. Click login | User is redirected to dashboard | User is redirected to dashboard | Pass | N/A |
| TC002 | Login with invalid passwords | 1. Enter username 2. Enter incorrect password 3. Click login | Error message appears | No error message appeared | Fail | Bug identified |
| TC003 | Pet Appointment Record | 1. Input Client and Pet Information | Information  Appeared | Input Record Successful | Pass | N/A |

**USER ACCEPTANCE TESTING**

This Phase was the User Acceptance Testing is an important phase in software testing where the software is tested in a real-world scenario by end-users to ensure it meets their requirements and functions as expected. Unlike other forms of testing, UAT focuses on validating the software's user-friendliness, functionality, and performance from the user's perspective.

The End-Users are Client, Staff and Admin, The Clients Fill out the Appointment form to provide specific date and time of when they are visiting the clinic, the staff handle the Pet and owners’ information they also manage the and record schedule depends on their availability, The Admin manage the overall system, the Total Appointment, Today’s Appointment, Total pets, Total Owners, and Veterinary Records. The Feedback of actual user, this system meets the efficiency and accuracy in terms of the outcome with satisfaction of the user. User Interface is also good, the letters, colors and design is simple but beautiful. It also has the quality that any user needs.

**Improve the UI Design of System**

The Interface Design of the System are very simple and minimal, to make it more presentable it needs to add more design that fits in client taste for design, and that’s improvement would help the system quality in terms of user interface.

**Automated Appointment Reminder**

The problem is the client are required to message the admin or staff to be able to have an update regarding in their Appointment Schedule, The Improvement of system is to have an automatically reminders in email to update them for their schedule.

**CONCLUSION & RECOMMENDATION**

The Conclusion of this Testing Phase was test is important before the deployment of the system, to be able to create a quality system or fit in to quality standards that needs for clients satisfaction, tester will be able to justify the function and techniques that used to test and finalize the system to create a system that fulfill their needs in terms of Pet Appointment and Veterinary Record System, The Recommendation of this study is they need to improve the other feature of Interface Design and add more function enable to create a quality system.