Executive Group Report

Veterinaria Guau Guau Management System

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Group No.4 - Testing - Group 286

Jóvenes a Programar

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Version Status	Date	In charge	Summary
V1	20/10/2024	Group No. 4	First testing approach to the management system
V2	09/11/2024	Group No. 4	Retesting

Introduction

The purpose of this report is to provide a comprehensive overview of key metrics and detailed statistics on the findings obtained during the testing process in the Veterinaria Guau Guau management system, as well as an analysis of the incidents detected.

Through this data, we seek to provide a solid foundation for informed decision making, highlighting critical areas that require attention and validating the aspects that comply with the established quality standards.

Scope

This report covers an analysis of the metrics collected during the different stages of the project for the Veterinaria Guau Guau management system. It includes comparative analysis between the tests performed and the incidents identified in two key areas:

- HTML: Evaluation of the user interface and front-end functionality.
- Database: Validation of the integrity, performance and consistency of the stored data.

In addition, the document presents specific recommendations based on the findings, with a focus on improving overall system functionality. These recommendations are designed to mitigate risks, optimize processes and ensure quality in future stages of the project.

Front-end Outcome

In both stages of testing, the management system was found to be functional.

We decided to approach the testing process on the functional requirements of the system, which showed positive results by 71%.

We first encountered a problem regarding the lack of login implementation, which was addressed and proved to be successful in the next stage.

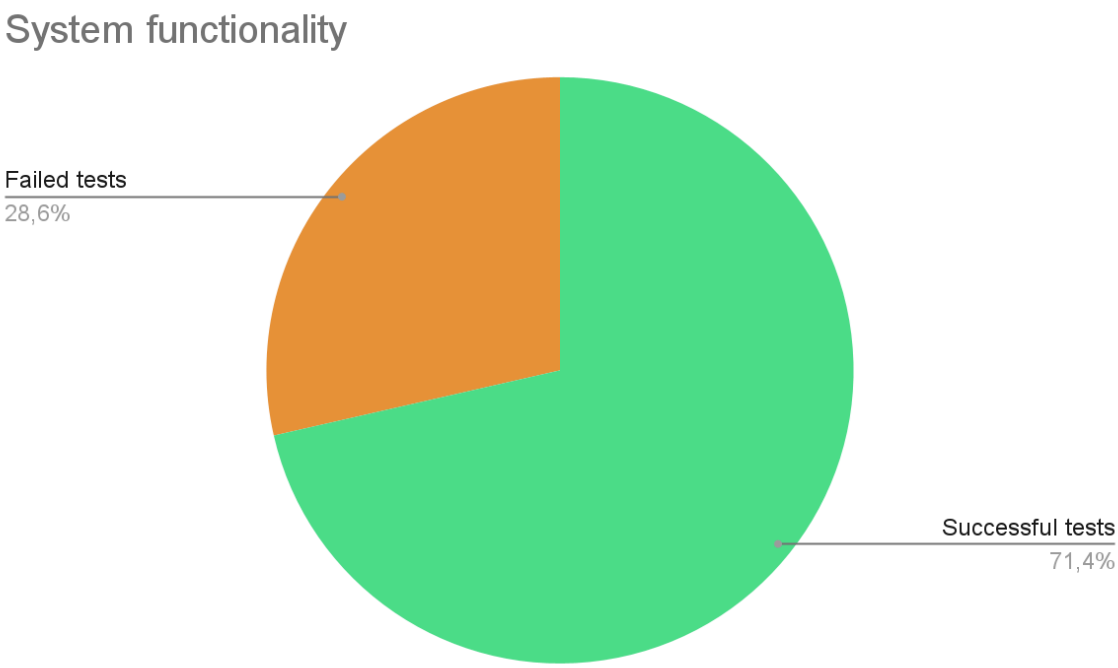
We identified improvements in the system, such as the incorporation of a drop-down menu for some entry boxes, as in “Species” in the Pet Registry and “Dose” in the Vaccine Registry.

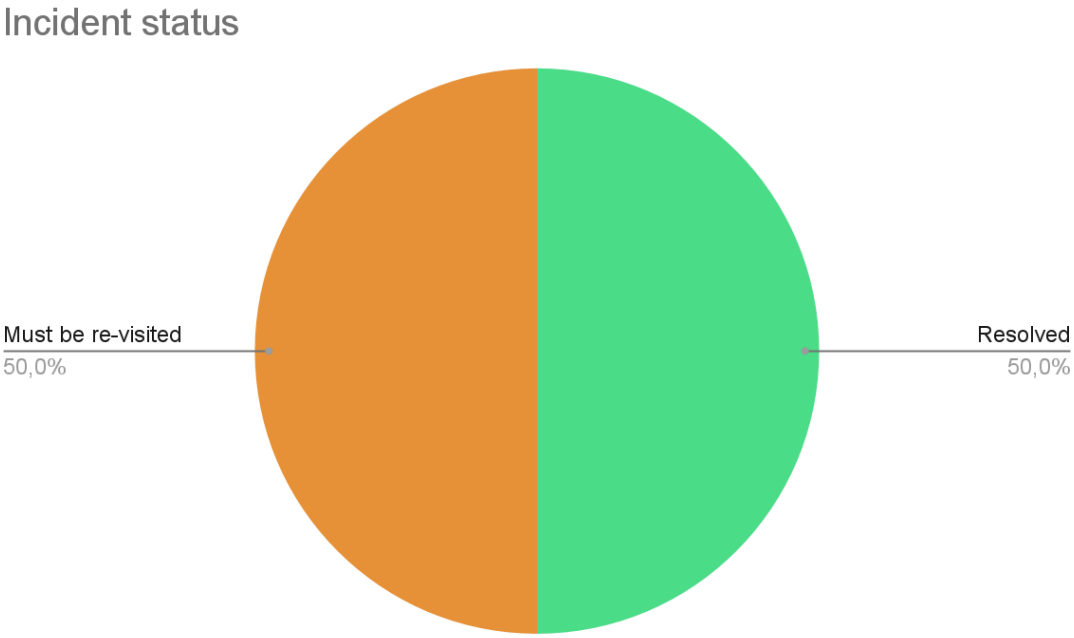
Another improvement recorded is the “Dashboard”, which through an exploratory test, we identified that although it is functional and allows visualization of certain records, we have not been able to define how the correct and incorrect functioning of its components should be.

Regarding the incidents detected in the system, the registry was cut down to 50%, since they were resolved on the last stage of testing, focusing on incidents with medium and high priority.

The incidents that are pending resolution do not affect the navigability and usability of the system.

Test metrics, results and incidents





DataBase Outcome

Given that a local management system was requested, the database was created to give possible support to this system.

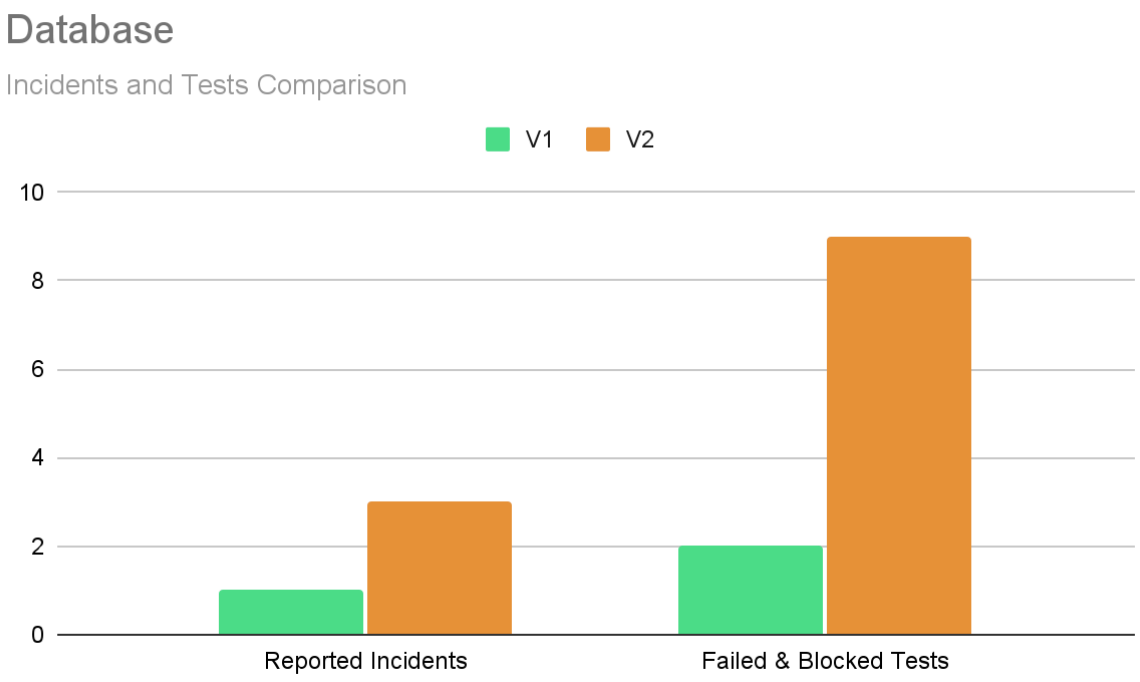
Yet again, a complete lack of functionality was detected, in this case regarding the login, but only detected in the last version tested.

In general, we noticed a decrease in the specification and detail of data types and their restriction. This can lead to inconsistencies in the data record.

An example of this is the restriction “check” in the species field for the pet record table.

Regarding the database, it is essential to mention the integrity between tables and data. In this particular case they allow us to identify structured relationships between parties such as: which client's pet is it? or which pet was given a certain vaccine?

We found that in the first version there was better preservation of the relationships between data and this was missing in the last version, resulting in a higher incidence rate in this area and with greater severity.



Recommendations

Based on the tests performed and the results obtained, we propose the following actions to optimize the system and improve the end-user experience:

- Data persistence assessment

A vulnerability was detected in the security and management of the system related to data persistence in all fields. We recommend evaluating and correcting this situation to strengthen the integrity of stored information.

- Establishment of parameters for data registry in the dashboard

We suggest including appropriate parameters in the data log, which will allow for more specific and accurate testing before the system deploys.

- Implementation of restrictions in the forms

We recommend adjusting both the coding of the forms in the HTML and the restrictions in the database to prevent inconsistencies, such as:

    - Registration of vaccines with expiration dates prior to administration.
    - Future birth dates in the pet registry.
    - Client records with previously used e-mail addresses.

These measures will ensure the fidelity of the records, improve the quality of the system and minimize potential problems in the future.

Conclusion

In conclusion, the final testing phase confirmed compliance with most of the essential frontend requirements and the majority of the agreed-upon non-functional criteria. The development team demonstrated a strong commitment not only to meeting specifications but also to incorporating enhancements aimed at optimizing the end-user experience. However, due to identified issues, it is recommended to roll back to the initial database version prior to the system's launch to ensure data integrity and system reliability.

Sincerely,

Testing team - Group No. 4

Software Company