

Final Executive Testing Report

Group #6

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Executive Summary

This report summarizes the conclusions and results of the testing process carried out throughout the Veterinaria Guau Guau project. The main objective of the testing was to validate and verify that the system meets the established requirements, providing correct operation under certain specific conditions in a safe and reliable manner for the user, and also ensuring that the system meets quality standards.

Over the course of the phases of the project, the testing team has worked diligently to identify and address any issues that could impact the integrity and usability of the system.

General Conclusions

Software Quality

The software has not demonstrated high quality in terms of stability and reliability, although regression testing performed in each iteration confirmed that the new implementations did not introduce problems in existing areas. Despite progress has been observed in certain specific areas, multiple aspects persist that require attention and optimization to reach a satisfactory standard.

Functionality

The correct functioning of key modules was confirmed, such as login, client and pet registration, and vaccine registration. However, improvements are still expected in all areas to optimize performance.

Security

The system has shown progress in terms of security, managing to overcome some vulnerabilities that were initially identified. However, there is still work to be done, as not all tests have been completed successfully. It is essential to continue testing the

system to ensure that it guarantees the user confidence, integrity and availability of their data.

Performance

Performance testing indicates that the system maintains acceptable response times even under significant load conditions. Page loading time was optimized, remaining under 2 seconds under normal conditions. Due to the type of system that was presented, it was not possible to test its performance against massive entries.

Usability

The system in general offers a fairly positive user experience. However, certain issues need to be addressed to ensure a smooth and accessible experience for all users.

Key results

1. Percentage of successful test cases: 73.8% (62 of 86 cases).
2. Number of critical defects: they increased up to 41% .
3. Loading time statistics: the average remained under 2 seconds.

Final observations and recommendations

During the course of the project, various situations and challenges were observed and addressed. Some final observations and recommendations include:

- The process of detailed documentation of test cases and testing procedures was key to quickly identify and resolve issues in areas such as Pet and Guest Registration, and device Accessibility and Compatibility assessments. Maintaining and improving this documentation will be essential to optimize future tests and ensure an efficient process.

- It is recommended to implement the system with a database and internet connection or a network of systems that will help us to facilitate its use.
- Integrity of the components: It is not possible to establish connections between clients, pets and vaccines in a clear way, for this it is necessary to establish a new functionality that allows it.
- Although the primary focus was on ensuring system functionality, performance, and security, including more detailed usability testing in areas such as usability, performance, and security will help deliver an even more refined and accessible user experience.

Acknowledgments

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Final conclusion

Although the Veterinaria Guau Guau project has gone through a rigorous testing process, it is understood that it is not ready to move to the production environment, due to its lack of implementation of the database that could facilitate data management and its optimization. Furthermore, we firmly believe that there are still aspects to improve in terms of usability, functionality and other non-functional requirements.

Sincerely,
Group 6.