

EXECUTIVE REPORT - STAGE 4

Group 283 - Subgroup 6

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Executive summary:

This executive report presents the final results and conclusions reached after the completion of the quality assessment project on the “Guau Guau” veterinary software.

As the last stage of the project, a comprehensive analysis of the data collected in the previous tests was carried out to provide a comprehensive view of the current state of the system and its ability to meet the planned objectives. The main objective of this evaluation was to identify critical issues and confirm the stability and functionality of the software. For this purpose, different types of tests were applied, including functional, regression and user experience tests, achieving complete coverage in key areas.

Description of the tests performed:

Overall, these tests provided a broad and detailed view of the behavior and performance of the software, identifying both strengths and critical issues that will need to be addressed prior to deployment.

- **Functional testing:** Each functionality was evaluated to ensure that it responded correctly to the data inputs and that the expected responses were generated in each case.
- **Regression testing:** To ensure that modifications or corrections to the software did not introduce new bugs in previously tested functions.
- **User experience tests:** These tests focused on aspects such as navigation, interface clarity and interaction efficiency. Areas for improvement were identified to optimize usability and user satisfaction.
- **Coverage testing:** What percentage of the system was covered by the tests performed. This included both critical and secondary elements, ensuring that the most relevant areas of the software were evaluated.

Overall conclusions:

- **Functionality:** The software proved to be functional in most of the cases tested, with 98% coverage of critical functionalities. The areas of authentication, customer registration and data validation met expectations, although some problems were detected that still require correction to improve the user experience.
- **Security:** Improvements were noted in security protocols, especially in session management and user data protection. However, some vulnerabilities in authentication and data validation are still present, indicating the need for additional adjustments to ensure the robustness of the system against possible attacks.
- **Performance:** Overall system performance is adequate, with acceptable response times for most functionalities. However, certain operations require optimization to improve response speed at peak load times.
- **Response time statistics:** Average response times for the functions evaluated were satisfactory under normal conditions.

Key results:

- Percentage of test coverage: 98% coverage was achieved in the critical areas of the software, ensuring that the most important functionalities were evaluated.
- Number of bugs corrected: During the testing cycle, a total of X critical bugs were identified and corrected, prioritizing those related to security and usability.
- Security evolution: Session management and data protection were improved, although there are still some adjustments to be made to achieve fully robust security.

Final observations and recommendations:

- Interdepartmental collaboration: The need for greater communication between the development and test teams was noted to address critical issues more quickly and effectively. Implementing regular meetings between departments could improve collaboration and problem solving.
- Documentation: Documentation of testing was key for tracking and troubleshooting. It is recommended to keep all test documentation up to date and ensure that it is accessible to all team members to facilitate future reviews and modifications.
- Usability testing: User experience testing indicates that the system is intuitive, although improvements to the interface are suggested to optimize navigation and efficiency on specific tasks. This would help improve end-user satisfaction.

Acknowledgements:

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Final conclusion:

In conclusion, the “Guau Guau” veterinary software has proven to be stable and functional in its key areas, although some security and performance aspects need attention before being considered completely ready. The recommendations provided in this report are intended to guide the team towards optimizing these points, enabling the system to reach a satisfactory level of quality for its next phase.

[Video](#)**Sincerely:**

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