

Final Executive Testing Report (V.1.0)

Subgroup 2, Testing Group 294

Stage 04: Presentation

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Executive summary

This report summarizes the conclusions and results of the testing process conducted on the customer and pet management system of “Veterinaria Guau Guau” by Subgroup 02 of Group 294 from “Jóvenes a Programar of Ceibal”.

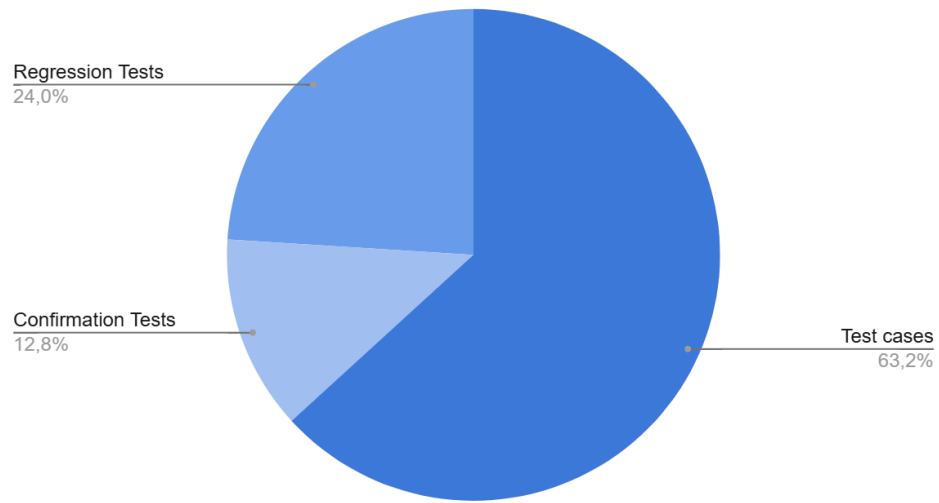
The main objective of the project was to evaluate the quality, functionality, security, and performance as general aspects of the system.

Throughout the various phases of the project, the testing team has worked meticulously to identify and address any issues that could affect the integrity and usability of the system. Exhaustive tests were conducted on key modules such as login, user registration, pet registration, and vaccine registration.

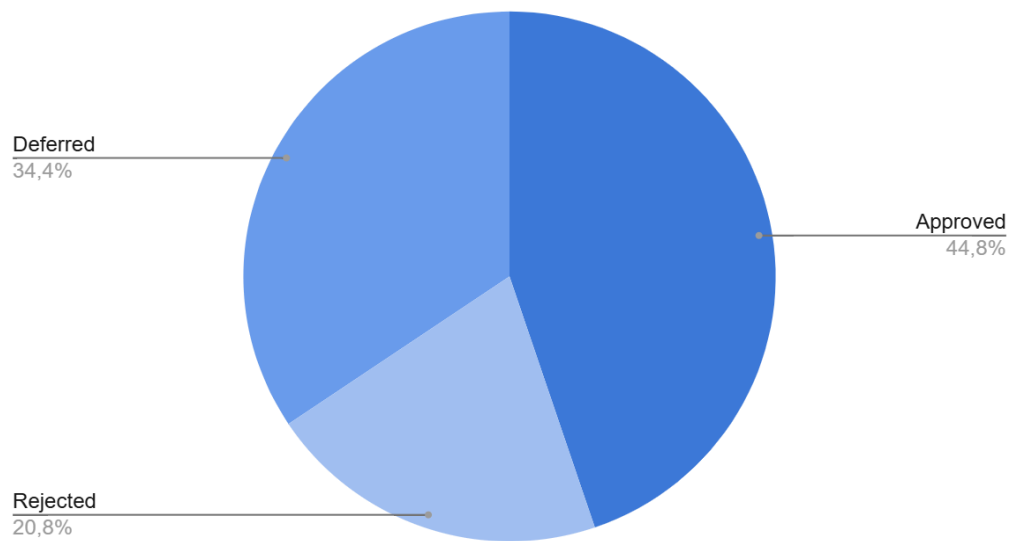
Key results

1. **Total Tests Conducted:** A total of **125 tests** were conducted, of which 79 were test cases, 16 were confirmation tests, and 30 were regression tests.
2. **Test Results:** Of these tests, 44.8% (56 tests) were approved, 20.8% (26 tests) were rejected, and 34.4% (43 tests) were marked as "deferred."
3. **Reported Incidents:** A total of 17 incidents were reported, of which 58.8% (10 incidents) were defects, and 41.2% (7 incidents) were errors.
4. **Incident Resolution:** Of these incidents, only 4 were fixed during the process, while 13 remain open and await resolution.

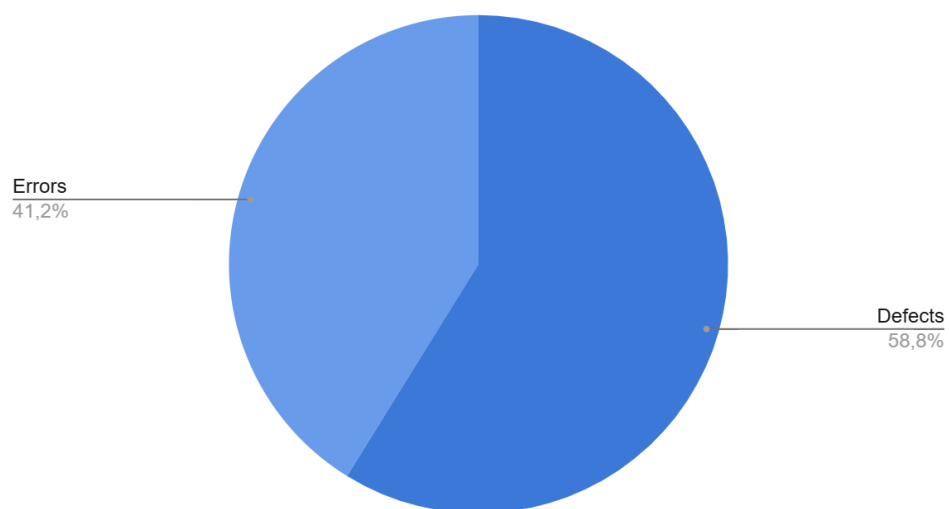
Types of tests



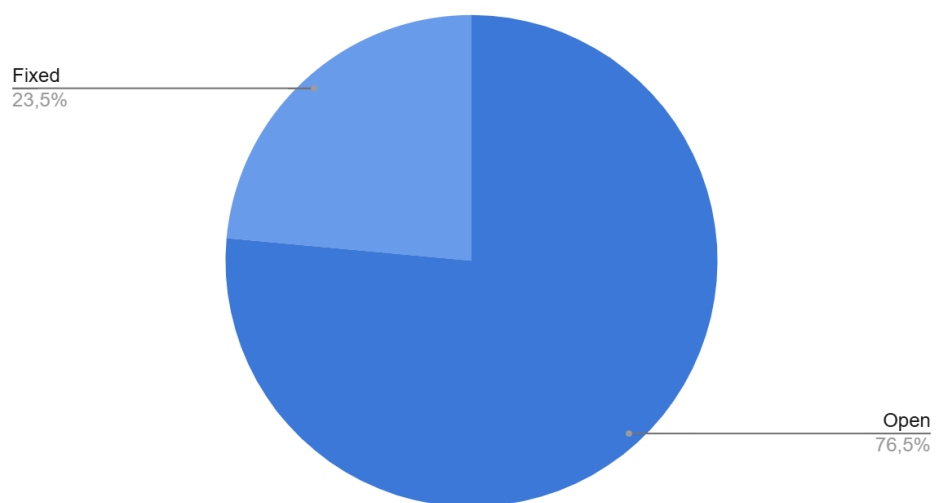
Test results



Types of incidents



Status of the incidents



Final observations and recommendations

Login

For a better functionality of the system, it is essential to implement a password reset screen, new user registration, and customized screens for clients. These improvements would significantly improve the user experience and build trust in the platform.

Additionally, it is crucial to address the identified security vulnerabilities, such as the lack of SQL code for login and the exposure of the source code with users' login data.

Customer registration

The proper functioning of the customer registration flow was validated in most cases. However, two incidents were identified that are still pending resolution:

- Unexpected redirection and logout when the "Register Pet" checkbox is not checked. Identified as a major severity incident with medium priority.
- Validation of duplicate registrations with the same email address. Identified as a critical severity incident with high priority.

Pet registration

The system operates correctly for the basic registration of pets with valid data and responds appropriately to empty fields, thereby ensuring minimum data entry requirements. Moreover, enhancements were implemented without impacting the system's functionality.

Nevertheless, it is essential to strengthen data validation to ensure compliance with the defined rules. Additionally, establishing and configuring the database connection is recommended to facilitate comprehensive testing and evaluation of the system.

Therefore, it is imperative to continue improving the system's robustness and enhancing the user experience

Vaccine registration

Improvements in Date Validations: Vaccines should not be allowed to be registered with future application dates. The expiration date must be later than the application date and cannot coincide with the same day.

Implementation of Restricted Calendars: Include a calendar in the vaccination date field that only allows selecting dates equal to or prior to the current date. Add a second calendar for the expiration date, which should only allow selecting dates later than the previously entered vaccination date.

Scalability and Maintainability

The lack of access to the code and database limited maintainability and scalability testing.

Browsers

The Internet Explorer browser showed incompatibilities, which was expected given its obsolescence.

Accessibility

Implement improvements such as full keyboard navigation, alternative descriptions, and optimal color contrast.

Automated Testing

Include automated performance and scalability tests.

Code Comments

Increase internal code documentation to optimize future development.

Compatibility

Continue periodic testing on supported browsers and devices.

Loading times

The average response time for the entire system remained below 2 seconds, as specified in the ESRE.

General conclusions

Login

The analyzed platform shows significant potential, but requires substantial improvements in its login system to ensure data security and optimize the user experience. Implementing features such as password reset, new user registration, and screen customization, along with addressing security vulnerabilities, is crucial to establishing the platform as a reliable and efficient tool.

Customer registration

Although significant improvements in quality and performance are shown compared to the previous version regarding customer registration, the system still requires adjustments to ensure full functionality and an optimal experience.

Pet registration

The *New Pet Registration* functionality of the system demonstrated adequate performance under normal conditions for basic pet registration. However, critical deficiencies were identified in data validation and usability, which compromise both the user experience and the integrity of the system. It is necessary to continue development efforts to ensure comprehensive functionality, ultimately delivering an efficient and reliable registration system.

Vaccine registration

The vaccine registration form on the website fulfills its main function by saving information when the entered data matches the valid partitions. However, significant deficiencies were detected in the field validations. Although the "dosis" field was corrected during the retesting process, the other fields do not correctly validate the limits established by the partitions, which compromises the integrity of the recorded data.

Functionality

The platform operated adequately in most of its functionalities. Notably, it demonstrated compatibility with modern browsers (Chrome, Firefox, and Edge).

Security

The system demonstrated robust access control management. Unauthenticated users were properly redirected, preventing unauthorized access.

Performance

Complete performance testing could not be conducted due to access restrictions to the production environment. However, initial tests indicated adequate performance under controlled conditions.

Gratitude

Subgroup 2 of Group 294 sincerely thanks all its members for their collaboration and commitment. Their dedication, teamwork, and camaraderie were essential to the success of this project.

We also express our gratitude to both tutor Gabriel Pascual and reference Natalia Nieto, who were key pillars in the project's development, providing clear guidance and constant support that helped overcome challenges and achieve the set goals.

Final conclusion

The “Veterinaria Guau Guau” website is functional and performs well on modern browsers. To ensure a successful public launch, accessibility improvements and rigorous performance and maintainability testing are necessary. These enhancements will make the platform more inclusive and scalable.

Attachments

[Test cases](#)

[Incidents report](#)