



Aprendiendo del futuro



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## Executive Summary

-This report contains the general results and conclusions drawn throughout the testing process of the final project. The main objectives during this process were to evaluate the functionalities, security, performance and quality of the e-Mercado website. The team worked hard to find and report issues that could negatively impact the software.

## General Conclusions

### Software Quality

The tests carried out during the development of the project were completed successfully. However, significant deficiencies in the quality of the software were identified. It is imperative to prioritize resolution of these issues to ensure system integrity and optimal performance. It is advisable to implement an action plan focused on continuous improvement of software quality.

### Functionality

Regarding the functionalities, during the progress of the project it was detected that several experienced regressions and others were blocked. This indicates that the optimization process for the most recent version has not been carried out effectively. It is recommended to carry out a thorough examination of the incidents found during the re-testing phase, with the aim of identifying and correcting the underlying causes, thus guaranteeing the improvement and stability of the functionalities in future updates.

### Security

It is imperative to emphasize that this section has represented the greatest challenge due to the frequency and severity of the errors found. The testing team emphasizes its critical importance, since sensitive data is at stake. Therefore, it is essential to give top priority to its resolution. If not addressed with the required urgency, we run the risk of seriously compromising the user experience, which could result in complete failure. Immediate action is urged to rectify these problems and ensure the protection of sensitive information.

### efficiency

The software has been subjected to a thorough evaluation until the testing phase, where it has been determined that it effectively fulfills its purpose. However, certain incidents have been identified that need to be addressed before launching the product on the market. In the re-testing stage, it has been decided to omit the scalability test, since it is considered a priority to resolve the previously mentioned incidents before proceeding with said test. It is essential to ensure that these fixes are made in a timely manner to ensure the quality and functionality of the software in its final version.

## Key Results

1. **Test Coverage Percentage:** The tests carried out in the testing process were covered by 93% by the testing team
2. **Number of Bugs Fixed:** A total of 69 incidents were reported during the testing process, of which 5 were solved
3. **Response Time Statistics:** Page load time remained at an average of 1 seconds, even when the site was in peak load periods.
4. **Security Evolution:** Security throughout the testing process was not optimized and a deterioration was seen.

## Final Observations and Recommendations

Throughout the entire project, various challenges and situations could be found, some of which were:

- **Interdepartmental Collaboration:** It is considered that communication was not effective with the development team, because there were no meetings with them at any time.
- **Documentation:** The ESRE documentation and the API manual were of great help when addressing the creation of test cases, in the same way it is considered that having more information about the site would have helped to carry out a greater number of test cases covering more the place.

## gratitude

We take this opportunity to thank the entire testing team and the parties involved throughout this project process. Teamwork, peer communication, and support were essential for the testing process to be successful.

## Final conclusion

The final project has been completed satisfactorily and successfully. The software was evaluated through a rigorous testing process, and it was concluded that the software contains serious flaws that must be resolved before going into production, because they can generate a negative experience for the user. The team is available to resolve any future doubts and queries and remains at the disposal of future collaboration.

Sincerely,  
Group A