



# Executive Summary

*Group 263 - Subgroup 5*

## **FINAL PROJECT TESTING - Jóvenes a Programar 2023**

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## Executive Summary

This report presents the conclusions and results of the testing process carried out during the final project of the Testing course for Young Programmers, specifically from Subgroup 5. The main objective of this project was to evaluate the quality, functionality, and performance of the E-Mercado web system

## General conclusions

### Software quality based on tests

Based on the tests conducted throughout the project, both specific and abstract, it can be concluded that the software, in broad terms, functions correctly. However, critical issues that were reported in earlier stages still need to be addressed, as they compromise the quality and usability of the product

### Software Quality Based on Exploratory Sessions

As a way of summarizing the conclusions presented in the individual reports, the following points are highlighted:

The page is not accessible for individuals with visual disabilities or for the support tools used by these individuals. It has visual flaws that negatively impact the user experience.

There are spelling errors that compromise the professional image of the page and the service provider.

The system does not store user information correctly, so if a user uses the page in two different browsers, they must register again.



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Response times improved between version 1 and version 2 of the page, providing users with a smoother navigation experience.

## Key Results

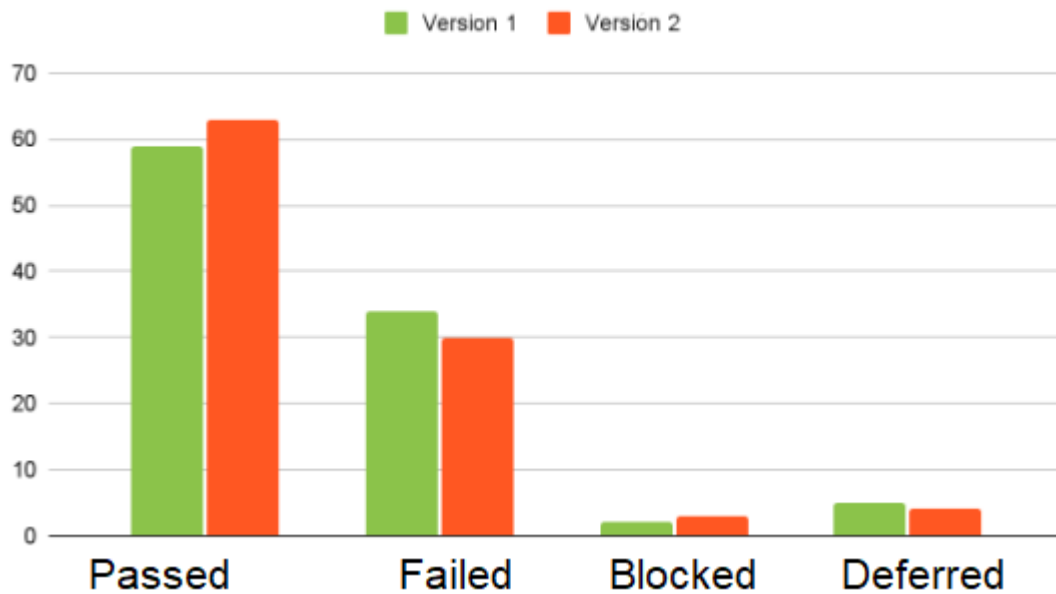
- To document the results of all tests conducted throughout the project, the following metrics were generated:
- Test Coverage Percentage: An 85% coverage was achieved with the conducted tests.
- Percentage of Executed Tests: 100% of the tests created in stage 2 of the project were executed.
- Percentage of Approved Test Cases: In stage 3 of the project, 63% of the tests passed.
- Percentage of Failed Test Cases: In stage 3 of the project, 30% of the tests failed.
- Percentage of Blocked Test Cases: In stage 3 of the project, 3% of the tests were blocked.
- Percentage of Deferred Test Cases: In stage 3 of the project, 4% of the tests were deferred.
- Total Test Cases: 146.
- Executed Test Cases: 146.
- Incident Reports: 29.
- Response Time Statistics: In stage 2, tests on the page's response time were conducted, which remained below 0.30 seconds.
- Security Evolution: According to the incidents corrected in version 2 of the system, critical vulnerabilities were reduced by 00%.
- Team Satisfaction Percentage: At the end of the project, team members feel 90% satisfied with the results



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## Test case results:



## Number of Incidents



## Final Observations and Recommendations

Throughout the project, a series of recommendations or improvements, as well as some observations, were compiled, which are understood to be taken into account.



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## Observations

**Interdepartmental Collaboration:** The team did not encounter major issues when communicating, both in the planning and in the elaboration and execution of tasks throughout the project. Therefore, assertive communication and teamwork are highlighted as competencies well applied by all team members.

**Documentation:** Maintaining detailed documentation of all tasks performed, as well as the topics discussed in meetings, facilitated the rapid identification and resolution of problems that arose. For this reason, the team did not face serious complications

## Recommendations

**Titles:** It is suggested that titles not only be marked in bold but also be assigned a color to make them easier and faster to identify. This would also help make the page more accessible for people with visual disabilities, and tools can identify the titles, which is not the case in this version.

**Accessibility:** In relation to the previous recommendation, it is suggested to add alternative texts, incorporate independent event controls, and improve text-to-background contrast to enhance site navigation for users with special needs.

**Semantic and SEO Issues:** The HTML structure, lacking a clear heading and making excessive use of divs, weakens the semantics and accessibility of the site. It is recommended to use HTML5 semantic tags to improve both accessibility and indexing for search engine positioning.

**Navigation:** When scrolling down the site, the navbar does not move along with the user. Adding this functionality is recommended to enhance the user experience.



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**Inconsistencies:** The page shows some prices in dollars and others in pesos, and while most of the page is in Spanish, some things are labeled in English. It is suggested to unify both language and currency to avoid confusion for the user.

**Warnings:** It is recommended to incorporate warning messages when something is entered incorrectly, such as a password.

**Images:** Although all items for sale have illustrative images, it is recommended to enable the option to maximize them for a better view of the item.

**Comments:** While the option to leave comments on items is implemented, it is suggested to add a function that allows users to reply to comments

## Acknowledgments

As the end of the project and the course approaches, as a group, we would like to express our gratitude to our tutors, María and Gabriel.

María: The content covered in Transversal Competencies helped us improve our work approach and our positioning for the future. We appreciate your kindness and for encouraging us to step out of our comfort zone, especially by inviting us to actively participate in class.

Gabriel: We highlight your commitment as a teacher, always willing to help and explain, as many times as necessary, what we found challenging. We thank you for not assuming that consultation classes were unnecessary and for always allowing us to have that space.

Finally, we would like to thank both of you for your dedication in teaching, always striving to keep us motivated in the course, promoting a pleasant and respectful environment at all times



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## Final Conclusion

Summarizing the information in the report, it can be stated that while the page partially meets basic functionalities, it still has many critical errors that significantly compromise its usability. In terms of security and accessibility, the system does not meet the expected quality standards. Navigation can be improved, and to meet requirements, the malfunction of search filters must be addressed. Additionally, aesthetically, the page lacks appeal and contains spelling errors such as missing periods at the end of sentences.

Beyond the suggestions mentioned earlier, it can be concluded that the system does not function according to the requirements, and necessary corrections must be made before it can be launched to the public.

With nothing more to add, this concludes our final project for the Young Programmers' Testing course provided by Ceibal. We are available for any questions or future collaborations.

Sincerely,

Subgroup 5 - Group 263



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