



## **Close Report**

**Presented by:**

**Juan David Cardona**

**Cristhian Moreno**

**Coach:**

**Juan Esteban Pineda**

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**Sofka U**

## **Objective**

The purpose of this report is to present the results of the tests performed during the development of the apprentice radar project, as well as recommendations for future improvements and an evaluation of the quality of the software.

## **Summary of Test Results:**

During the development of the project, various tests were performed to ensure the quality of the software. Functional tests were carried out at this stage of the project. Due to bad time estimation regarding the development of certain modules, especially in the visual part of the application, it was not possible to carry out many tests with the platform already deployed, but we started working with the services provided by the backend, which was what was deployed on time. The results obtained when testing these services were mostly satisfactory, although some problems were identified, which are detailed below:

Some problems were detected in exception handling such as invalid entries in the body of some requests.

At the time of writing this document, the functionality to add students to a training and enter the specific grades for that student had not yet been integrated in a good way.

Some important aspects defined in the requirements, such as the differentiation between internal and external students, were not implemented.

## **Recommendations for Future Improvements:**

Based on the results of the tests performed, the following improvements to the software are recommended:

To make a complete revision to the handling of invalid data that should be controlled from the services and, to have very defined which values are the admitted ones at the time of making the requests to the API.

For future sprints the times should be better estimated, since due to the delay in the integration between the business logic and the graphical interface, the quality of the required software cannot be assured.

## **Software Quality Assessment:**

In general, it can be said that it met expectations in terms of the services required by the business logic. However, some problems were identified that affect the end user experience. These problems are mostly related to the fact that due to the bad time

estimation and the underestimation of some modules, it was not possible to fully integrate the business logic with the graphic interface, and this makes it necessary to extend the sprint time, thus materializing some of the risks mentioned in the risk matrix regarding delays.

Therefore, it is recommended to make the improvements mentioned above to ensure a high quality and satisfactory software for users.