

Area	Cell	QA	Quality Plan	Description of the need
Sofka U	Grupo B	<div><div>* Cristhian Esneider Moreno Garzon</div><div>* Juan David Cardona</div></div>	General	<div>Testing is required to ensure that the radar software functions correctly and provides accurate and reliable results, validating that the software performs in a consistent and predictable manner, which is essential to maximize student performance and increase their likelihood of success in the training league.</div>

Scope	Out of scope
<p>The scope of the test plan for a training league radar project include:</p> <p>1. Login testing: verify that users can access the system using their credentials and that they are redirected to the appropriate home screen. In addition, ensure that the system does not allow access to unauthorized users and that an error message is displayed in case of a failed login attempt.</p> <p>2. User creation tests: Verify that users can register in the system using a registration form and that the data provided are correctly stored in the database. In addition, ensure that mandatory fields are checked and that error messages are displayed in case the data provided does not comply with the established requirements.</p> <p>3. Administrator user testing: Verify that the administrator user has access to the corresponding administrative functions and screens. In addition, ensure that the administrator user has permissions to add, edit and delete users, and that the system displays a confirmation message before making any changes.</p> <p>4. Grade entry testing: Verify that users can enter grades and that grades are correctly stored in the database. In addition, ensure that the system displays a confirmation message after entering grades and that error messages are displayed in case of incorrect data.</p> <p>5. Testing the graphical display of grades: Verify that users can view grades in a graphical representation. In addition, ensure that the grades are displayed correctly and that the system updates the graphical representations after each change in grades.</p>	<p>-Non-functional factors such as performance, IT security, usability, scalability.</p> <p>-Services not mentioned in the scope.</p> <p>-Everything that is not defined within the scope.</p>

Strategy	Schedule
<div>1. Create the necessary scenarios for the previously requested validations.</div> <div>2. Create the test cases that are considered pertinent for the validation of the application.</div> <div>3. Use SonarScanner to validate that the application complies with the requested standards.</div> <div>4. Pre-verification of the user creation flows, training link, student's grades entry.</div> <div>5. Manual and automated testing strategies will be used.</div>	<div>The activities committed to during the scope will be carried out during the week of April 24-28, 2023.</div>

Pre-requisites	Suggested tests	Assumptions
Manual and automated testing strategies will be used.	<ul style="list-style-type: none"><li>- Performance tests</li><li>- Load and stress tests</li><li>- Safety testing.</li></ul>	<p>1. It is assumed that the test environment of the application is available at the time of testing and that valid access credentials are available.</p>