



## USER PROTOCOL

### PLATFORM SPECIFICATIONS

The Challenge Academy is a Crowdsourcing platform with the objective of improving the contact between companies and students, this is achieved through the solution of challenges created by the companies.

This platform was developed with two frameworks for fast development, one for back end and the other for front end.

For the back end it was used CodeIgniter, a PHP framework that uses the MVC architecture (Model-View-Controller) to control the flux and allocation of data.

The basis of a MVC architecture is the reusability of code and separation of concepts, this way the code is more organized and it's easier to make changes overtime.

The persistence of all relevant data is done with the resource in a SQL database.

For the front end it was used Bootstrap, a framework of HTML, CSS and JavaScript that helps the development of responsive websites. The presentation layer is intended to the facility of interaction with the user, using several tools provided by Bootstrap to improve the usability as well as the simplicity of the overall interface.

For the authentication of the students and teachers from ISCTE-IUL, it was used a LDAP API that authenticates the students and teachers, then it is requested user data, such as:

- Name;
- Surname;

This information is then used for the creation of an account at the platform.



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