A picture containing silhouette, night sky

Description automatically generatedNOVA SCHOOL OF SCIENCE & TECHNOLOGY

Software Engineering

Merge Document Phase 2

Grupo 08

# **Functionality: Custom Entry Fields**

**User Story:** As a user, I want custom entry fields, so I can customize entry types more easily.

This functionality also allows a code-based way to easily add custom fields to one or more entry types. The field ‘Accredited By’ is only present in Article, MastersThesis and PhdThesis entries, for example **(JR1)**.

Additionally, the functionality also allows the introduction of fields to every type of entry available in the program. The ‘Languages’ field is such an example, as it is present in the “Optional Fields” tab in every kind of search method **(JR2)**.

## Diagram Description automatically generated**Use case diagram 1:**

* Name: Fill out ‘Accredited By’ field
* ID: JR1
* Description: Stores the information written inside an ‘Accredited By’ field.
* Actors:
* Primary: User
* Secondary: Entry (Article, MastersThesis, PhdThesis)

## **Diagram Description automatically generatedUse case diagram 2:**

* Name: Fill out ‘Languages’ field
* ID: JR2
* Description: Stores the information written inside an ‘Languages’ field.
* Actors:
* Primary: User
* Secondary: Entry (Any)

# **Functionality: Author Graph**

**User Story:** As a user, I want to see the relation between authors, so I can more easily know which authors worked together.

This functionality allows users to easily see which authors wrote an article in collaboration with other authors from the articles present in the library. **(JR3)**.

**Use case diagram 3:**

Diagram

Description automatically generated

* Name: Show authors graph
* ID: JR3
* Description: Creates a graph with the relations between authors.
* Actors:
* Primary: User
* Secondary: JGraphX, Entry

# **Unit tests**

Due to the nature of the implemented functionalities, mainly the fact that both use graphical features, the use of Unit Tests is not appropriate. For this reason, our team decided it would not be favorable to do Unit tests in this assignment.

# **Youtube Link**

The video showcasing the functionalities added to the JabRef application by our team can be found in the following link: **to be posted soon**