



Functional Requirements Analysis

Software Engineering

Clara Sousa 58403 Paula Inês Lopes 58655 Pedro Reis 58751
Ricardo Pereira 57912 Rita Silva 57960

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1 Document Description

It is the aim this document to present the basic functionalities JabRef is expected to present.

JabRef is an application that consists on a collection of libraries that allows its user to use bibliographic references that compose each library.

Throughout the sprints, new user stories are created and dealt with, and use case diagrams are presented so as to properly understand how the program works.

2 Basic functional requirements

1. Add a library to the program
 - (a) Add new empty library
 - (b) Add existing library
 - (c) Save the current state of the library
 - i. Save the current state of the current library
 - ii. Save the current state of the current library in a different place
 - iii. Save all the libraries in the application
 - (d) Close
2. Collect bibliographic references
 - (a) Add bibliographic references
 - i. Manually
 - ii. Automatically
 - (b) Search bibliographic references on the web
 - (c) Import bibliographic references
 - (d) Add bibliographic references using an ID
 - (e) Extract metadata from a PDF document
3. Organise bibliographic references
 - (a) Edit bibliographic references
 - i. Edit
 - ii. Complete information using an online data base
 - (b) Group bibliographic references
 - i. View group
 - ii. Create group
 - iii. Display union of groups
 - iv. Display intersection of groups
 - v. Group tree
 - (c) Search bibliographic references from library
 - (d) Mark and grade bibliographic references
 - (e) Find duplicates

4. Cite bibliographic references
 - (a) Cite from native libraries
 - (b) Cite from external libraries
 - i. Cite from Word
 - ii. Cite from OpenOffice/LibreOffice
 - (c) Pushing citation to external applications
5. Share bibliographic references
 - (a) Export
 - (b) Share a Bib(la)TeX Library
 - (c) Share SQL Database