NOVA SCHOOL OF
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Functional Requirements Analysis
Software Engineering

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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 to external programs
        i. Cite to Word
        ii. Cite to 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

3 Tasks

3.1 Library related tasks

TASK ID	TASK TYPE	TASK DESCRIPTION
A1	create use case diagram	add a library to the program
A2	create use case description	add a library to the program
A1.a	create use case diagram	add empty library
A2.a	create use case description	add empty library
A1.b	create use case diagram	add existing library
A2.b	create use case description	add existing library
A1.c	create use case diagram	save library
A2.c	create use case description	save library
A1.c.i	create use case diagram	save library in current place
A2.c.i	create use case description	save library in current place
A1.c.ii	create use case diagram	save library in different place
A2.c.ii	create use case description	save library in different place
A1.c.iii	create use case diagram	save all entries in library
A2.c.iii	create use case description	save all entries in library
A1.d.	create use case diagram	close library
A2.d.	create use case description	close library

3.2 Collection related tasks

TASK ID	TASK TYPE	TASK DESCRIPTION
B1	create use case diagram	collect entries
B2	create use case description	collect entries
B1.a	create use case diagram	add entries
B2.a	create use case description	add entries
B1.a.i	create use case diagram	add entries manually
B2.a.i	create use case description	add entries manually
B1.a.ii	create use case diagram	add entries automatically
B2.a.ii	create use case description	add entries automatically
B1.b	create use case diagram	search entries on web
B2.b	create use case description	search entries on web
B1.c	create use case diagram	import entries
B2.c	create use case description	import entries
B1.d	create use case diagram	add entries using an ID
B2.d	create use case description	add entries using an ID
B1.e	create use case diagram	extract metadata from a PDF
B2.e	create use case description	extract metadata from a PDF

3.3 Organisation related tasks

TASK ID	TASK TYPE	TASK DESCRIPTION
C1	create use case diagram	organise entries
C2	create use case description	organise entries
C1.a	create use case diagram	edit entries
C2.a	create use case description	edit entries
C1.a.i	create use case diagram	edit
C2.a.i	create use case description	edit
C1.a.ii	create use case diagram	complete information using an online database
C2.a.ii	create use case description	complete information using an online database
C1.b	create use case diagram	group entries
C2.b	create use case description	group entries
C1.b.i	create use case diagram	view group
C2.b.i	create use case description	view group
C1.b.ii	create use case diagram	create group
C2.b.ii	create use case description	create group
C1.b.iii	create use case diagram	display union of groups
C2.b.iii	create use case description	display union of groups
C1.b.iv	create use case diagram	display intersection of groups
C2.b.iv	create use case description	display intersection of groups
C1.b.v	create use case diagram	group tree
C2.b.v	create use case description	group tree
C1.c	create use case diagram	search references from library
C2.c	create use case description	search references from library
C1.d	create use case diagram	mark and grade references
C2.d	create use case description	mark and grade references
C1.e	create use case diagram	find duplicates
C2.e	create use case description	find duplicates

3.4 Citation related tasks

TASK ID	TASK TYPE	TASK DESCRIPTION
D1	create use case diagram	cite reference
D2	create use case description	cite reference
D1.a	create use case diagram	cite from native library
D2.a	create use case description	cite from native library
D1.b	create use case diagram	cite to external program
D2.b	create use case description	cite to external program
D1.b.i	create use case diagram	cite to Word
D2.b.i	create use case description	cite to Word
D1.b.ii	create use case diagram	cite to OpenOffice/LibreOffice
D2.b.ii	create use case description	cite to OpenOffice/LibreOffice
D1.c	create use case diagram	pushing citation to external application
D2.c	create use case description	pushing citation to external application

3.5 Sharing related tasks

TASK ID	TASK TYPE	TASK DESCRIPTION
E1	create use case diagram	share reference
E2	create use case description	share reference
E1.a	create use case diagram	export reference
E2.a	create use case description	export reference
E1.b	create use case diagram	share a Bibl(la)TeX Library
E2.b	create use case description	share a Bibl(la)TeX Library
E1.c	create use case diagram	share SQL Database
E2.c	create use case description	share SQL Database