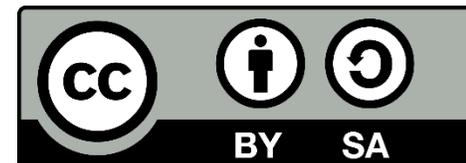


JabRef: Eine GUI für BibTEX

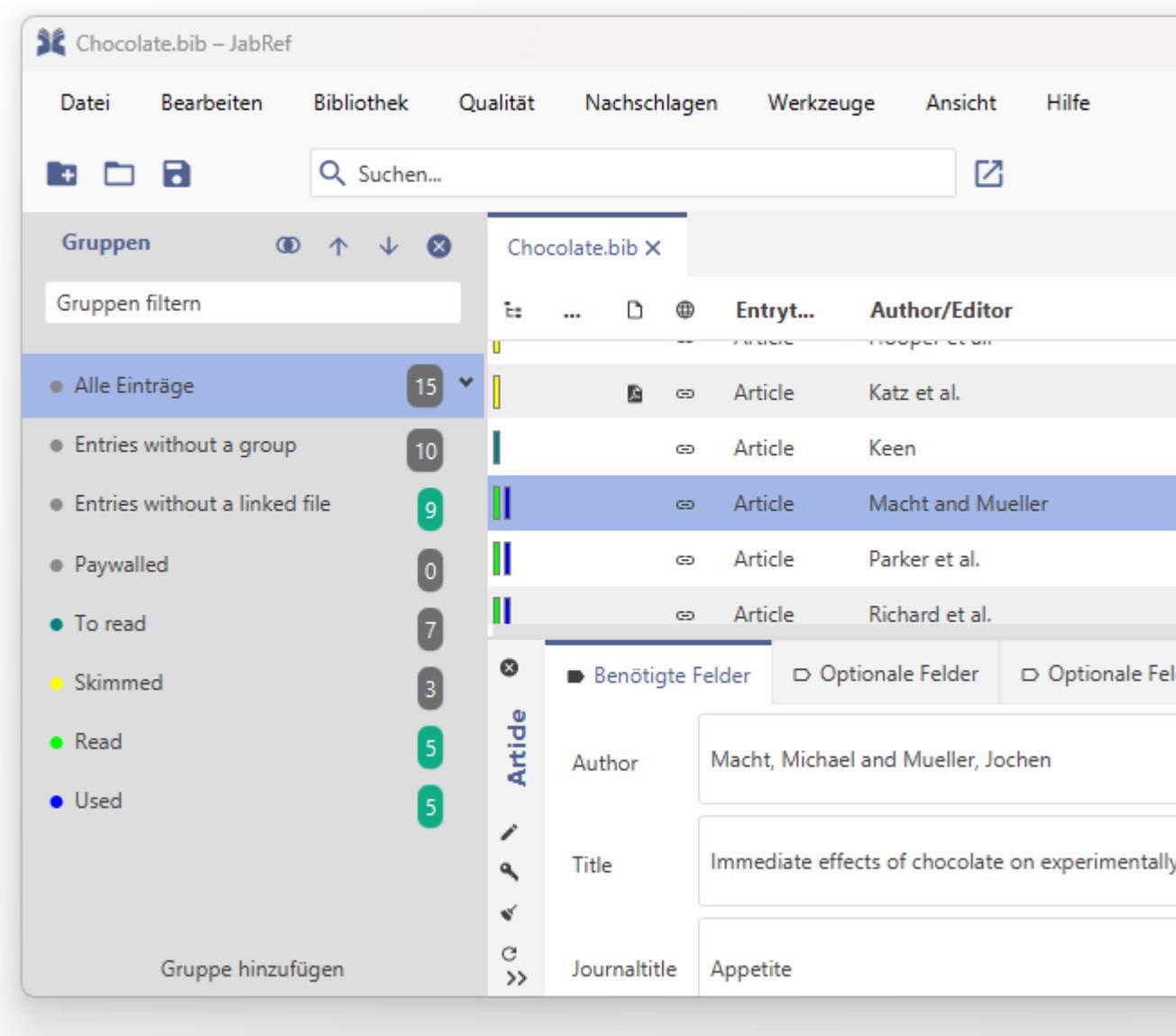
Überblick, ausprobieren und mitmachen

<https://www.jabref.org/>

Oliver Kopp
JabRef e.V.



JabRef: Ein nutzerfreundliches, graphisches Werkzeug zur BibTeX-basierten Wissensverwaltung



■ Sammeln

- Online-Suche durchführen
- Metadaten aus PDFs extrahieren

■ Organisieren

- Gruppierung von Einträgen
- Datenkorrektur und -erweiterung

■ Teilen

- Synchronisierung und Teilung von .bib-Dateien mittels git, DropBox usw.

Grundidee: BibTeX stets verfügbar

The screenshot displays the JabRef application window titled "demo.bib - JabRef". The menu bar includes "Datei", "Bearbeiten", "Bibliothek", "Qualität", "Nachschlagen", "Werkzeuge", "Ansicht", and "Hilfe". Below the menu is a toolbar with icons for adding files, folders, and saving, along with a search bar labeled "Suchen...". The main area shows a table of entries with columns for "Entry...", "Author/Editor", and "Title". One entry is selected, showing "Article" as the entry type, "Steinmacher et al." as the author, and "A systematic literature review on the barriers f..." as the title. At the bottom, a tabbed interface shows the "BibTeX-Quelltext" tab active, displaying the following BibTeX entry:

```
@Article{Steinmacher2015,  
  author    = {Igor Steinmacher and Marco Aurelio Graciotto Silva and Marco Aurelio Gerosa and  
              David F. Redmiles},  
  journal   = {Information and Software Technology},  
  title     = {A systematic literature review on the barriers faced by newcomers to open source  
              software projects},  
  year      = {2015},  
  issn      = {15230864},  
  month     = {mar},  
  pages     = {67--85},  
  volume    = {59},  
  doi       = {10.1016/j.infsof.2014.11.001}}
```

Feature: Wo habe ich den Eintrag referenziert?

The screenshot shows the JabRef application window titled "demo.bib - JabRef". The menu bar includes "Datei", "Bearbeiten", "Bibliothek", "Qualität", "Nachschlagen", "Werkzeuge", "Ansicht", and "Hilfe". The toolbar contains icons for file operations and a search bar labeled "Suchen...". The main window displays a list of entries with columns for "Entry...", "Author/Editor", and "Title". One entry is highlighted in blue: "Article" by "Steinmacher et al." with the title "A systematic literature review on the barriers faced by newcomers to open...". Below the list, a tab labeled "LaTeX-Zitate" is active, showing a preview of the citation: "Demo \cite{Steinmacher2015}." Below this, a file named "demo.tex" is shown with a citation range "(3:5-27)". A purple box highlights the citation range, and arrows point from it to a text box that reads "demo.tex: Line 3, characters 5 to 27 have the cite".

demo.tex:

```
\documentclass{scrartcl}
\begin{document}
Demo \cite{Steinmacher2015}.

\bibliographystyle{unsrt}
\bibliography{demo}
\end{document}
```

Feature: Einträge in Gruppen organisieren

The screenshot displays the JabRef application interface. On the left, a sidebar titled "Gruppen" (Groups) is highlighted with a purple border. It contains a search field "Gruppen filtern" and a list of groups: "Alle Einträge" (2), "software engineering" (1), and "jabref" (1). The "software engineering" group is selected. The main window shows a table of entries with columns "Entry...", "Author/Editor", and "Ti". One entry is selected, showing details in a form below. The form has tabs for "Benötigte Felder" (Required fields), "Optionale Felder" (Optional fields), "Andere Felder" (Other fields), and "Kommentare" (Comments). The "Benötigte Felder" tab is active, showing fields for "Author", "Title", and "Journal". The "Author" field contains "Igor Steinmacher and M...", the "Title" field contains "A systematic literature re", and the "Journal" field contains "Information and Sof". To the right of the form, the full citation is displayed: "[1] I. Steinmacher, M. A. G. Silva, M. A. Gerosa, and D. F. Redmiles, "A systematic literature review on the barriers faced by newcomers to open source software projects," *Information and Software Technology*, vol. 59, pp. 67–85, Mar. 2015, doi: 10.1016/i.infsof.2014.11.001.

Feature: Zitationsbeziehungen

The screenshot displays the JabRef application window titled "demo.bib - JabRef". The menu bar includes "Datei", "Bearbeiten", "Bibliothek", "Qualität", "Nachschlagen", "Werkzeuge", "Ansicht", and "Hilfe". Below the menu is a search bar with the text "Suchen...". The main window shows a list of entries with columns for "Entry...", "Author/Editor", and "Title". One entry is highlighted in blue: "Article Steinmacher et al. A systematic literature review on the barriers faced by newcomers to open source software projects".

Below the list, there are tabs for "Optionale Felder", "Andere Felder", "Kommentare", "General", "Abstract", "Annotationen", "Citation information", and "Zitations-Beziehungen". The "Zitations-Beziehungen" tab is selected and highlighted with a purple box. This tab is divided into two panes: "Zitate" (Cites) and "Zitiert von" (Cited by).

Zitate (Cites):

- Social Barriers Faced by Newcomers Placing Their First Contribution in Open Source Software Projects**
2015
Igor Steinmacher and T. Conte and M. Gerosa and D. Redmiles
Newcomers' seamless onboarding is important for online communities that depend upon leveraging the contribution of outsiders. Previous(mehr)
- Preliminary Empirical Identification of Barriers Faced by Newcomers to Open Source Software Projects**
2014
Igor Steinmacher and A. Chaves and T. Conte and M. Gerosa
When newcomers try to join an open source software (OSS) project, they face many barriers that hinder their first contribution, leading in ma(mehr)
- A systematic review of systematic review process research in software engineering**

Zitiert von (Cited by):

- A dynamic perspective on software modularity in open source software (OSS) development: A configurational approach**
2024
Eunyoung Moon and James Howison
- A User Evaluation of a Collaborator Recommender based on Co-Changed Files**
2024
Kattiana Constantino and Raquel Prates and Eduardo Figueiredo
Active collaboration is essential for the success of software projects across the development life-cycle. Unfortunately, in social coding platform(mehr)
- Understanding Newcomers' Onboarding Process in Deep Learning Projects**
2024

JabRefs Open-Source-Status (Stand: 2024-04-02)

- 3.800 GitHub Sterne – <https://github.com/jabref/jabref/> (+200)
- 21.500 Commits (+1.300)
- >100 Releases (+2)
- 722 Beitragende (2024: 631 2023: 560; 2022: 431; 2018: 140)
- 8.214 Closed Pull Requests (+1.300)
- 4.000 Closed Issues (+300)
- 8 Maintainer (Hobby-Projekt!)
- 72k Lines of Code (Quelle: CodeCov)
- 40% Test-Abdeckung – <https://codecov.io/github/JabRef/jabref>

Derzeit: 47 Verbesserungsvorschläge



The screenshot shows the GitHub repository header for 'JabRef / jabref'. It includes a hamburger menu icon, the GitHub logo, the repository name 'JabRef / jabref', a star icon with '3.8k', and a red 'X' icon. Below this, there are three navigation options: 'Code' with a code icon, 'Issues' with a 546 badge, and 'Pull requests' with a 47 badge and a red underline. The 'Pull requests' option is the active one.

☰  JabRef / jabref ★ 3.8k ✖

<> Code  Issues 546  Pull requests 47

Beispiel: Aufbereitung von .blg

Add support for loading .blg warnings in Integrity Check Dialog

Draft

JabRef:main

← wanling0000:feature/11998-blg-integrity



Conversation 32

Commits 10

Checks 38

Files changed 23



wanling0000 3 days ago • edited

Contributor



Closes [#11998](#)

This PR adds support for: Check integrity: Support for BibTeX .blg files

Users can now:

- Automatically load the default `.blg` file from the same folder as the `.bib` file;
- Select a custom `.blg` file via **Browse** and load BibTeX warnings;
- Click **Reset** to revert to the default `.blg` path;
- Replace old `.blg` warnings when switching files (i.e., only show current `.blg` file's messages);
- Persist `.blg` file path in `MetaData` (saved along with `.bib` file).

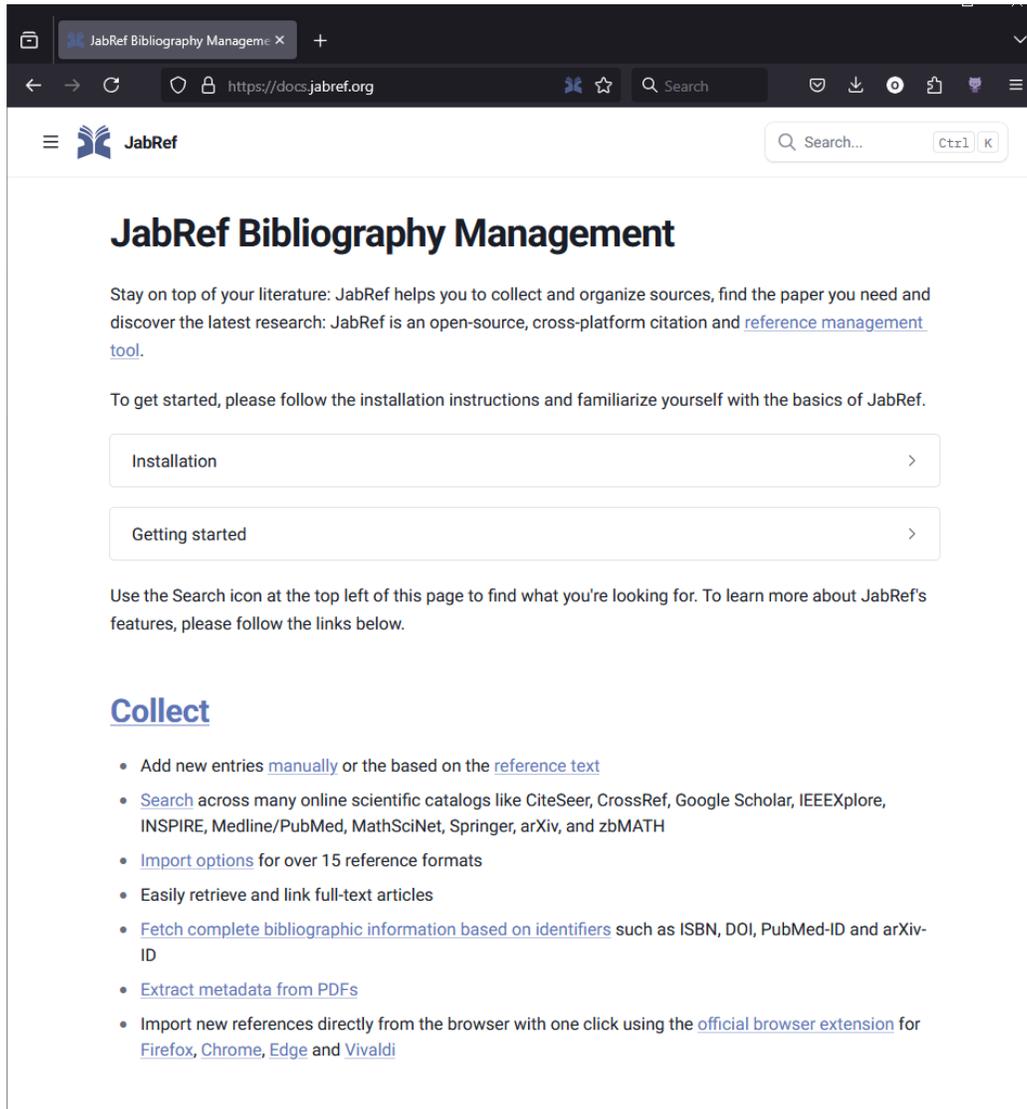
Jetzt ausprobieren!

- `gh pr checkout 12866`
- `./gradlew run`

Voraussetzungen:

- Java Development Kit („JDK“)
- GitHub CLI: <https://cli.github.com/>
- git clone von JabRef:
`git clone https://github.com/JabRef/jabref.git`

Option zur Beteiligung: Dokumentation verbessern

A screenshot of a web browser displaying the JabRef documentation page. The browser's address bar shows the URL 'https://docs.jabref.org'. The page features a dark header with the JabRef logo and a search bar. The main content area has a large heading 'JabRef Bibliography Management' followed by a paragraph describing the tool. Below this, there are two navigation buttons: 'Installation' and 'Getting started'. A second paragraph explains the search functionality. A section titled 'Collect' follows, containing a bulleted list of features and capabilities.

JabRef Bibliography Management

Stay on top of your literature: JabRef helps you to collect and organize sources, find the paper you need and discover the latest research: JabRef is an open-source, cross-platform citation and [reference management tool](#).

To get started, please follow the installation instructions and familiarize yourself with the basics of JabRef.

Installation >

Getting started >

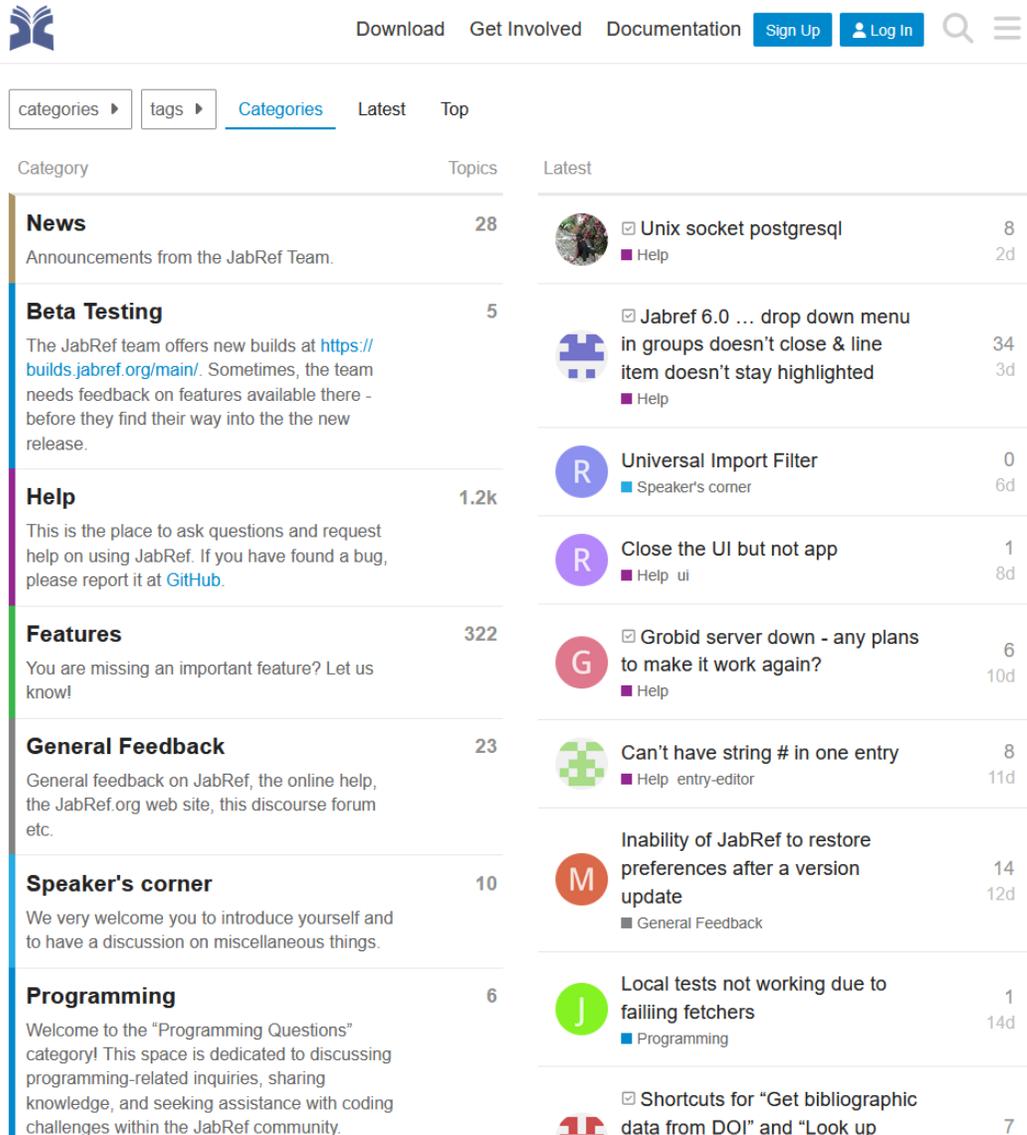
Use the Search icon at the top left of this page to find what you're looking for. To learn more about JabRef's features, please follow the links below.

Collect

- Add new entries [manually](#) or the based on the [reference text](#)
- [Search](#) across many online scientific catalogs like CiteSeer, CrossRef, Google Scholar, IEEEExplore, INSPIRE, Medline/PubMed, MathSciNet, Springer, arXiv, and zbMATH
- [Import options](#) for over 15 reference formats
- Easily retrieve and link full-text articles
- [Fetch complete bibliographic information based on identifiers](#) such as ISBN, DOI, PubMed-ID and arXiv-ID
- [Extract metadata from PDFs](#)
- Import new references directly from the browser with one click using the [official browser extension](#) for [Firefox](#), [Chrome](#), [Edge](#) and [Vivaldi](#)

<https://docs.jabref.org/>

Option zur Beteiligung: User-Forum



The screenshot shows the Discourse forum for JabRef. At the top, there are navigation links: "Download", "Get Involved", "Documentation", "Sign Up", and "Log In". Below the navigation, there are filters for "categories", "tags", and "Categories". The main content is a list of forum categories and their latest topics.

Category	Topics	Latest
News Announcements from the JabRef Team.	28	 <input checked="" type="checkbox"/> Unix socket postgresql 8 Help 2d
Beta Testing The JabRef team offers new builds at https://builds.jabref.org/main/ . Sometimes, the team needs feedback on features available there - before they find their way into the the new release.	5	 <input checked="" type="checkbox"/> Jabref 6.0 ... drop down menu in groups doesn't close & line item doesn't stay highlighted 34 Help 3d
Help This is the place to ask questions and request help on using JabRef. If you have found a bug, please report it at GitHub .	1.2k	 Universal Import Filter 0 Speaker's corner 6d
Features You are missing an important feature? Let us know!	322	 Close the UI but not app 1 Help ui 8d
General Feedback General feedback on JabRef, the online help, the JabRef.org web site, this discourse forum etc.	23	 <input checked="" type="checkbox"/> Grobid server down - any plans to make it work again? 6 Help 10d
Speaker's corner We very welcome you to introduce yourself and to have a discussion on miscellaneous things.	10	 Can't have string # in one entry 8 Help entry-editor 11d
Programming Welcome to the "Programming Questions" category! This space is dedicated to discussing programming-related inquiries, sharing knowledge, and seeking assistance with coding challenges within the JabRef community.	6	 Inability of JabRef to restore preferences after a version update 14 General Feedback 12d
		 Local tests not working due to failling fetchers 1 Programming 14d
		 <input checked="" type="checkbox"/> Shortcuts for "Get bibliographic data from DOI" and "Look up 7

Option zur Beteiligung: Issues schreiben/refinieren

is:issue state:open Labels Milestones New issue Preview

Open 546 Closed 4.035 Author Labels Projects Milestones Assignees Types Newest

- Extend PdfContentImporter to extract information from bibliographical pages in books** component: import-load project: gsoc feature #12874 · InAnYan opened yesterday 3
- "Search results" tab should be shown during fulltext search** component: entry-editor component: search task #12865 · kopper opened 2 days ago · 6.0-beta
- Fix APS fetcher** component: fetcher bug #12864 · kopper opened 2 days ago
- Some journal can not be abbreviated** feature #12855 · allmighty opened 2 days ago
- PostgreSQL processes remain running after JabRef crashes or is forcefully terminated** component: postgres bug #12844 · ungerts opened 5 days ago 9
- Include PubMed URL in the "URL" Field When Importing from PubMed** component: fetcher good first issue Pinned Assigned task #12832 · ungerts opened last week 1 4

<https://github.com/jabref/jabref/issues>

Verfeinerung

☰  JabRef / Projects / [internal] transfer to public 

 [internal] transfer to public Increased items preview [Feedback](#)

 View 1  + New view

🔍 Filter by keyword or by field

needs refinement 77 

Issue needs to be refined before getting ready for transfer

- jabref-issue-melting-pot #505
Disabled scroll bar should not appear in tooltips
- jabref-issue-melting-pot #833
Replace dialog in `check consistency` with a popup
- jabref-issue-melting-pot #802
Importer for ACL Anthology
- jabref-issue-melting-pot #642
Allow user to focus on note-taking on an entry
- jabref #11319
BibDesk: Groups: External

needs review for transfer 3 

A maintainer should review

- jabref-koppor #565
Adding a PDF should not lead to exception
- jabref-koppor #478
Enable jump to entry by pressing a letter
- jabref-issue-melting-pot #826
Increase height of about dialog

can be transfered 1 

Can be transferred (if the conditions of the reviewer are fulfilled)

- jabref-issue-melting-pot #847
Improve `PdfContentImporter` to extract information from bibliographical pages in books

„Einfache“ Issues werden von Studierenden bearbeitet

<https://devdocs.jabref.org/teaching.html>

The screenshot shows the 'Developer Documentation' page for JabRef. The left sidebar contains a navigation menu with the following items: 'Overview on Developing JabRef', 'Contributing', 'JabRef and Software Engineering Training' (highlighted), 'Decision Records', 'Getting into the code', 'Code Howtos', and 'Requirements'. The main content area features a search bar and links to 'Gitter Chat', 'Discussion Forum', and 'Code Repository'. The main heading is 'JabRef and Software Engineering Training', followed by a paragraph explaining that students can level-up their coding and project management skills by using JabRef as a training object. Below this is a section titled 'Why university instructors should cooperate with us?' with a bulleted list of benefits.

Developer Documentation

Search Developer Documentation

Gitter Chat Discussion Forum Code Repository

JabRef and Software Engineering Training

By using JabRef as training object in exercises and labs, students can level-up their coding and project management skills. When taking part in JabRef development, one will learn modern Java coding practices, how code reviews work and how to properly address reviewing feedback.

Why university instructors should cooperate with us?

- High-quality student education due to real-world tooling and real-world code base
- Sustainability of student works: No more thrown-away solved exercises: They now are incorporated in a real-world product
- No need to provision infra structure
- Visibility of your research groups
- No need to think about basic software engineering exercises anymore: JabRef cooperation partners have them.

Einstiegspunkt für JabRef-Beiträge: <https://github.com/JabRef/jabref/blob/main/CONTRIBUTING.md>