REFERENCE MANAGEMENT SOFTWARES : A STUDY OF ENDNOTE, MENDELEY, REFWORK, ZOTERO

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Abstract
Reference Management Software (RMS) are being widely used by scholar, researcher, scientist, professors, and by many professional for inserting references in their research papers/Articles. This paper present a study of four prominent reference management softwares: EndNote, Mendeley, Refworks, Zotero , along with the various features providing by them, storage capacity and many others. The comparisons of these softwares are being presented by this paper. Further this paper is also describing various versions of RMS like EndNote web, EndNote Online, EndNote Basic of EndNote and the basic and mobile version of Mendeley. Since RMS are playing a vital role in research works and being very popular among the researcher. Users have many option in RMS to choose them according to their need and based on the features being served by these software .
Keyword: Referance Management Softwares, EndNote, Mendeley, Refworks, Zotero.

Introduction : Reference management softwares are special type of softwares. They are also known as citation management software or personal bibliographic management software for scholars and authors to use for recording and utilizing bibliographic citations. Reference management software is widely used by researcher scholars. These reference managing software helps the user specially to the research and to the authors who feel bothering in writing reference or citations. These software make word processing software very powerful and provide a user friendly environment or we can say user oriented interface. Since the softwares like mendeley provide literature search feature that increase the usability of the software to utilize the resources. These software provide literature search on a click. Arrangement of literature search and the citation of bibliographies in a proper format was a very complicated and complex work to make this complex work easier reference management software are discovered and released. These softwares betterly considered as a tool for citation management and to manage personal bibliographies and empowering the word processing software like Libra, MS word, office, note etc.
There are many bibliographic databases can be extract within or from outside of the software that makes it quite impressive. Now–A-Days these are being very popular among authors, research and the professionals. There is a big list of reference management software all of these varies in there feature that

are being served by them. RMS has produce variety of functions generally RMS to be able to do the following jobs :-
- Build and organize bibliography.
- Import citation form your selected database any websites.
- Produce formatted citation in a variety of styles.
- Save and organize PDF, image graphs, screenshots and others files for your research.
- Gather metadata form PDF file.
- Allow annotation of citations.
- Allow data interchange.
- Allow sharing of the RM database.
  All of these feature could not offer in every RMS . The variety of RMS available on the market. It is difficult to know which RMS has to select for a particular work a small list of popular RMS has given below

  - Zotero
- Mendeley
-
- Refworks
- EndNote
- Papers
- Cite-u-like
- Docear   … Etc.

Mendeley

Mendeley is a social software for academic research management software. It is an desktop and web program. Mendeley released by Elsevier in August 2000. Mendeley is a cloud based proprietary system that includes social networking, PDF annotating, a platform for self promotion and crowd sourcing of citation and annotations.

Mendeley is a free reference manager designed for research students and academics. Whether they are writing their dissertations, organizing their literature for easy retrieval or need to read journal on the go Mendeley can help them.

Mendeley on phone   Mobile version of Mendeley allow user to sync their library across all their devices. Everything that add or annotate from their phone or tablet is synced back to Mendeley desktop where user can generate citation and bibliographic while writing dissertations or latest research in Microsoft word or libre office. Need to change the citation style half way through writing. Mendeley does this for you in seconds and support over 7000 citation style including popular styles such as APA 6th ,IEEE, Nature, Harvard, Chicago, AMA and Vancouver.

Features of Mendeley
- Mendeley is provided to the user without charging single peny This is a free software for scholars.
- Mendeley work on various operating systems like windows mac linux android ios
- Mendeley mobile supportive version on ios and android make it quite popular and easier.
- The biggest strength of the Mendeley that it allows their user to easily collaborate and share the documents.
- User can create their private groups of three people that allow sharing of document within the group and can done the modification in library which is jointly created by them.
- User can also work by it offline and share their library with other reference management software like zotero.
- Researcher can hold unlimited number of record per library on their desktop but on the space it is permitted to 1 GB.

- Mendeley can work within word processors i.e. word (windows & MAC) open office, google docs, LoTex. Through BibTex.
- Mendeley can be use special character in the citation unlike endnote.
- Mendeley can find redundancy of data and enable Boolean, field, advanced searching of whole databases.
- Mendeley enable importing of data from BibTex reference and for made and create authority list comprising   author,   keyword   publication
- and tag that generate automatically.

Zotero

Zetero is open source software. It introduced by centre for history and new media (CHNM) at George Mason University at October 2006. Zotero is a free reference management software to arrange bibliographic data

Features of Zotero

- Zetero is a free available reference management software that is very easy to use firefox extension that help you to gather organize and to cite the research source.
- Zotero can easily operate on window, mac and linux operating system.
- This can only work on Firefox web browser but connectors are available for chrome safari and the opera web browser.
- Provide bookmarklet for accessing by other browsers.
- Zotero can work offline as well as online. zotero users can synchronize their account with the Mendeley library.
- Research can create a personal online database.
- Zotero can import reference automatic from most research database bib text Refer, isi, Medline MODs xml and many more including marc (machine readable catalogue) format.
- Zotero cite the document in all the most popular format and styles among them APA, Harvard, MLA is very popular.
- Zotero provide data visualization features.

Due to regular updation in the software zotero is being very popular.

Zotero work as an add-on plug in word processing program like Microsoft word, libre office and to format reference and bibliographies.

Researcher can share their citation or collaboration with other online via zotero group.

Refwoks

Refwork is a reference managing software that is developed by Refworks cos in the year 2001. Refworks is web based browser accessed centrally organizing their personal database and also to annotate reference. When the user need to use reference in this paper, they are writing the software need a few ways to make this work easier. Refwork allow user to all reference to manuscript on word from their by using write-n-cite.

A new version of write-n-cite has released in early 2012 for MAC. In the year 2005 refworks introduced a new module called refshare. By using refshare user can released their personal database to public. And grant the access to read only. Refworks also introduced their mobile version in 2009. The latest version of refwork is introduced in the year 2009.

Features of Refworks

Refworks in RMS that works on windows and MAC.

- User can write and cite offline by it.
- Using refwork researcher can share data with other content management software.
- Refworks allow direct search of online catalogue database.
- Refwork works within word processor like word for windows, Ami pro, frame maker, open office, star office, word perfect and with many other program.

- ➢ Refwork in collage out data RMS like Mendeley and zotero.
- ➢ Refwork provide multilingual support.
- ➢ Research can create record of 1 GB.
- ➢ Refwork provide assistance by global editing.

Comparison of above RMS

FEATURE	ENDNOTE	MENDELEY	REFWORKS	ZOTERO
Operating System	Windows, Mac	Windows, Mac, Linux	Windows, Mac	Windows, Mac, Linux
Import Formats	CSA, Refer, ISI, Medline,Ovid,Pubmed, RIS, SciFinder	BibTex, Biblx, RIS	CSA, Refer, ISI, Medline,Ovid,Pubmed, RIS, SciFinder etc.	BibTex, Biblx, RIS, ISI etc.
Export Formats	BibTex, Biblx, RIS, Medline	BibTex, Biblx, RIS, EndNote XML	BibTex, Biblx, RIS	BibTex, Biblx, RIS,Mods XML
Reference Styles	Over 6000	Over 1180	Over 3000	Over 1250
Share data with other RMS	Yes	Yes (With Zotero Account)	Yes	Yes
Maximum no. of field per Record	52	62	31	26 and additional author field
Supportive Word processor software	CWYW for Word, Open Office and Pages'09.	Word(PC and Mac), Open Office, Google Docs	Word(PC and Mac), Ami-Pro, Frame Maker,Open Office, Star Office.	Word,Open Office/Libre Office, google docs

Conclusion:

Reference management software plays a vital role in the assistance of research works. Every Reference management software has their own strength and their own weakness that makes them lesser and greater important between the different groups of user based on the configuration and features. The choice of users will inevitably be influenced by computing environment. There software can also work online without installing them to the computer. User differs in the level of importance that they attach to flawless bibliographic generation. Reference management software promote the research work and provide the sharing of bibliographic records so this can also be tool of sharing virtual library of users . Reference managers continue to evolve, so decision taking by it may be temporary.

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