

*Review Article*

## Multiple File Reader with Doc Editor

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Accepted 07 March Feb 2015, Available online 15 March 2015, Vol.5, No.2 (April 2015)

### Abstract

At present to view different documents, a user has to install multiple application related to it. If a user wants to view a word document then there should be MS Office installed on his/her PC. In addition, to view PDF file, there must be Adobe PDF Reader installed. Now just for viewing all these files, installing these many applications would be hectic and cumbersome as it utilizes many PC resources like hard disk space, CPU utilization etc. In addition, if a user subscribed to a licensed copy of this software/application than there is large cost involved in it. In addition, if a user had many files opened related to different applications then the taskbar would be filled up with many windows open in it. Multiple file reader with doc editor (MFRDE), can be used to view different types of documents. It is an integration of different applications like Notepad, MS Word, PPT, Adobe PDF Reader, Web Browser, Image Viewer and Media Player in to one single application. It overcomes the hurdle of installing separate application for different files. The main objective of MFRDE is that it can open almost all the types of documents and multimedia files under it. The tabbed feature allows you to open different files retaining or without closing the previous one Doc Editor will have all the basic features of a Text Editor. In addition it will have many additional innovative features like word prediction, auto word completion, inbuilt mail facility, multiple file reader.

**Keywords:** Multiple File Reader with Doc Editor (MFRDE).

### 1. Introduction

Multiple File Reader with Doc Editor (MFRDE), can be used to view all different types of documents ranging from a Text file to HTML file, a Word file to PDF file etc. MFRDE overcomes the difficulties of installing separate application for different files. The main objective of MFRDE is that it can open almost all the types of documents and multimedia files under it. The tabbed feature allows you to open multiple files retaining or without closing the previous one. It is integration of all different applications like Notepad, MS Office Word, Adobe PDF Reader, Web Browser, Image Viewer and Media Player in to one single application.

Now just for viewing all these files, installing these many applications would be hectic and cumbersome as it utilizes many PC resources like hard disk space, CPU utilization etc. In addition, if a user subscribed to a licensed copy of this software/application than there is large cost involved in it. In addition, if a user had many files opened related to different applications than the taskbar would be filled up with many windows open in it. Summarizing above paragraph, the user is faced with problems of:

- Installing different applications
- More hard disk space utilization

- Cost for purchasing applications
- Many windows opened in taskbar

Keeping all the above said problems in mind, we decided to create such an application that would be consolidation of all the different applications. MFRDE will be combination of Notepad, MS Word, Web Browser, Photo Viewer, Media Player and Adobe PDF Reader. Using MFRDE, a user will be able to view all different, most common file formats. The File formats supported by MFRDE will be

- .txt
- .doc / .docx
- .pdf
- .html
- .xml
- .jpg, .jpeg, .gif, .bmp, .png
- .mp3

Doc Editor supports syntax highlighting and code completion using Intelligence. Auto complete suggestions are popped up in a modeless list box, overlaid on top of the text editor. Doc Editor in addition to basic notepad functionalities will also have some new and exciting features like email wherein the user does not have to login to his/her mail id to send the composed or newly created text file. It will support Rich Text Formatting similar to word.

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## 2. Related work

### A. Text Editors



Notepad

Notepad is a text editor for Microsoft Windows

Notepad supports both right-to-left and left-to-right based languages, and one can alternate between these viewing formats by using the right or left Ctrl+Shift keys to go to right-to-left format or left-to-right format, respectively.

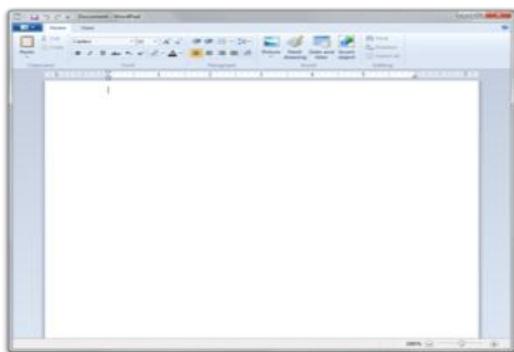
Early versions of Notepad offered only the most basic functions, such as finding text. Recent versions of Windows include an updated version of Notepad with a search and replace function (Ctrl + H), as well as Ctrl + F for search and similar keyboard.

Notepad accepts text from the Windows clipboard. When clipboard data with different formats is pasted into Notepad, the program will accept only text in the CF\_TEXT format.



Wordpad

WordPad is a basic word processor that is included with almost all versions of Microsoft Windows from Windows 95 upwards. It is advanced than Notepad but simpler than Microsoft Works Word Processor and Microsoft Word. It replaced Microsoft Write.



**Fig. 1** Interface of WordPad

WordPad can format and print text, but lacks intermediate features such as a spell checker and support for tables. As such, it is suitable for writing letters or small pieces, but underpowered for work that relies heavily on graphics or typesetting.

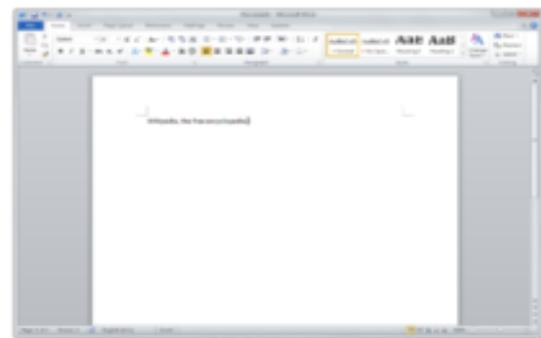
WordPad natively supports the Rich Text Format, it does not support all the features defined in the RTF/Word 2007 specification. Earlier versions of WordPad also supported the "Word for Windows 6.0"

format, which is forward compatible with the Microsoft Word format.



Microsoft Word

Microsoft Office Word is a word processor designed by Microsoft. It was 1st released in 1983 under the name Multi-Tool Word for Xenix systems. Following versions were later written for several other platforms including IBM PCs running DOS (1983), the Apple Macintosh (1984), the AT&T Unix PC (1985), Atari ST (1986), SCO UNIX, and Microsoft Windows (1989). It is a component of the Microsoft Office software system; it is also sold as a standalone product and included in Microsoft Works Suite. The current copies are Microsoft Office Word 2010 for Windows and Microsoft Office Word 2011 for Mac.



**Fig. 2** Interface of Microsoft Word

### MS Word

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### Adobe Reader

Adobe Acrobat is a family of application software developed by Adobe Systems to view, create, manipulate, print and manage files in portable document format (PDF). All members of family except Adobe Reader (formerly Acrobat Reader), are commercial software; Adobe Reader however, is available as freeware and can be downloaded from Adobe's web site. Adobe Reader enables users to view and print PDF files but has negligible PDF creation capabilities. Acrobat and Reader are largely used as a way to present information with a fixed layout similar to a paper publication.

## B. Browsers

### Internet Explorer

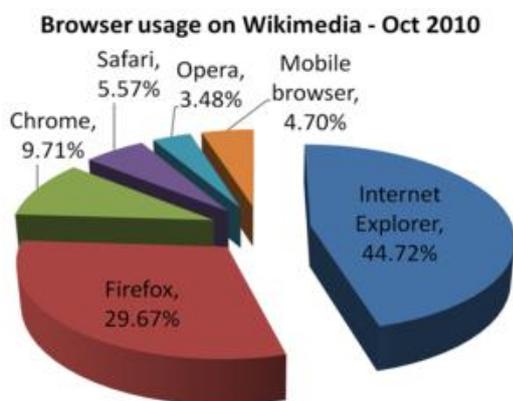
Windows Internet Explorer (formerly Microsoft Internet Explorer; commonly abbreviated to IE or MSIE), is a series of graphical web browsers developed by Microsoft and included as part of the Microsoft Windows line of operating systems starting in 1995. It was first released as part of the add-on package Plus! for Windows 95 that year. Later versions were available as free downloads, or in service packs, and included in the OEM service releases of Windows 95 and later versions of Windows. To display web pages, Internet Explorer uses the Trident layout engine. The latest version of Internet Explorer is Version 9.0

### Mozilla Fire Fox

Mozilla Firefox is a free and open source web browser descended from the Mozilla Application Suite and managed by Mozilla Corporation. As of October 2010, Firefox is the 2nd most widely used browser with 30% of worldwide usage share of web browsers. In Germany, Firefox is the more popular browser with 60% usage.

### Google Chrome

Google Chrome is a web browser developed by Google that uses the WebKit layout engine and application framework. It was first released as a beta version for Microsoft Windows on 2 September 2008, and the public stable release was on 11 December 2008. As of January 2011, Chrome was the third most widely used browser, and passed the 10% worldwide usage share of web browsers, according to Net Applications.



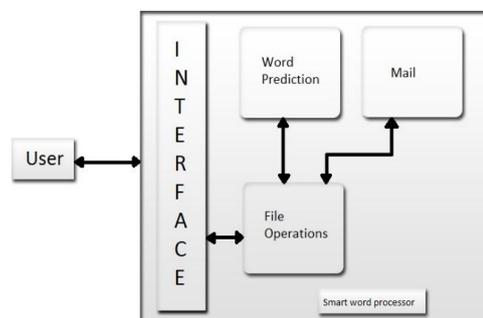
**Fig. 3** Survey of Browser usage

### C. Windows Photo Viewer

Windows Photo Viewer is an image viewer developed by Microsoft that is included with the Windows 7. It was also included with Windows XP and Windows Server 2003 under the name of Windows Picture and Fax Viewer.

It was temporarily replaced with Windows Photo Gallery in Windows Vista, but has been reinstated in Windows 7. This program succeeds Imaging for Windows. Windows Photo Viewer supports images in BMP, GIF, JPEG, JPEG XR (formerly HD Photo), PNG and TIFF file formats.

## 3. Proposed work



**Fig.4** Flow diagram of MFRDE

### Multiple File Reader

This module will provide all the functionality regarding reading multiple files of different formats. This module is further divided into various sub modules for text files, images, videos and audio.

### Doc Editor

This module will provide all editing functionalities. It gives functionalities such as creating a new file, opening an existing file, saving a file, text formatting, editing a file etc. Doc Editor provides Auto suggestion and completion of words. It also supports built-in email support where in the text is mailed to user as body of an email or as an attachment. User does not have to save a file or login to his mail for sending a mail.

## Conclusion

With Multiple File Reader one can view all the type of files in one interface which has advantage over existing system. It also provides many innovative features such as inbuilt mail facility, intelligent notepad, and auto completion of words i.e. it will suggest words if already used earlier by user.

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