

Web-based Application

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Abstract: With the growing use of Internet, demand for intelligent and user-friendly applications is increasing continuously. Thus we are providing with the user-friendly application where desktop resides within the web browser. As the Internet is easily accessible from any corner of the world the user can access this web application anytime from anywhere. Web-based Application is work as a normal operating system where applications provided by it can be handled just like using the normal desktop. The application is provided with network sharing, file sharing, document printing, games, group chatting applications and interestingly with social media applications like Facebook, Instagram and email. The advanced feature provided to our client is Stateful state of the system in which the position of the icons and the windows opened while working on the desktop will remain same whenever you login into the virtual desktop.

Keywords: Operating systems, Browsers, WEB OS, Web browser, Web application, Web server.

I. INTRODUCTION

WEB-BASED Application is the cloud-based open source application. The proposed system is a web application that uses an internet browser to embed the look and feel of a desktop environment. In this application, all the network configuration, file handling, and system settings reside over the network. The browser is used for taking input and display purpose.

Web-based Application is to focus work and entertainment in a single place. Web-based Application eliminates compatibility issues between operating systems and application and doing your work anywhere. The browser allows the user to access remote information in a viewable format, much like viewing a local file with any built-in application on the desktop-based OS. By providing an application on-line, the user is basically free from the burden of storage space. Also, the users can access the file from any system only provided that the system is provided with the net.

The web-based application is developed for the users who wish to access their systems, files anytime, anywhere. It will have the look and feel of the desktop that would show the user directories and folders. Services include Web conferencing, File Sharing. Application for web conferencing includes presentations, chatting from a web-connected computer to other web-connected computers. We can share our file with other computers connected to our system. If we want to share a file then we will put it link publicly on the domain with security.

The System will be having two modules: User Module and Administrator Module

User Module: User can log in into the system and can create files, folders and can share files.

Administrator Module: Administrator manages user's privileges, storage space.

II. FEATURES OF SYSTEM

- The On-line HTML and C# Editor.
- File Storage and Sharing.
- Publicly Sharing Link with Security.
- Statefulness
- Open Source application
- Easy applications Integration
- Audio-Video Player
- Photo editing tools
- E-mail application
- Calendar
- Clock
- Browser



- Sticky Note
- Group Chat
- Printer
- Games
- Social media applications.

III. LITERATURE SURVEYED

1. XML-based lucid terms web operating system: Garg K., Dept. of Computer. Sci. Inf. Technology, Univ. of Pune, Pune, India; Agarwal, A.; Gaikwad, M ; Inamdar, V[1].

They developed an operating system with basic functionalities like remote handling, distributed and highly available applications.

2. Simple WebOS System Based on Ext Framework and Cloud Computing: GU Gendai; Dept. of Math. Phys., North China Electr. Power Univ., Baoding, China; Lu Xindong[2]

This paper describes the Ext framework and cloud computing based WebOS with a powerful, flexible and high-performance system which can access easily through the internet.

IV. PROPOSED SYSTEM

This systems aim is to make a user-friendly application where all the applications are integrated on a one platform. Here the user can create and browse files and folders. You can also share your file as well as link of file securely with any registered user. The user can do your code in HTML editor as well as C# and also take the printout of the document. With an integrated application features, user can play audio-video files also can edit photos. By the use of social media application one can send email's, communicate through group chat and can access various social networking sites. The user can note down all the important notes on sticky notes. For the entertainment purpose application is provide with multiple games. User can access any web page using mini browser application.

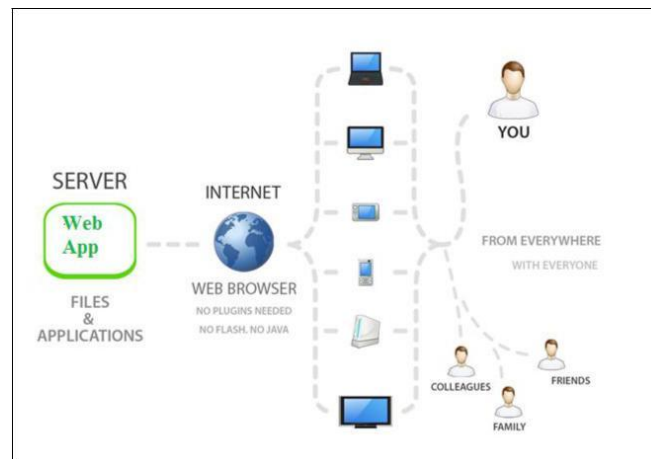


Fig. 1. Architecture Diagram

V. IMPLEMENTATION

The details of this project consist of two important parts building a website module for admin, website module for the user.

Registration Features:

- Ask user to enter all valid details
- Validate all inputs
- If found OK.
- Else give error message and move to Register Page.

Login Page:

- Ask user to enter username and password



- Open database connection
- Transfer to user info table
- If match found then show user desktop
- Else Check whether user id is activated or not.

Admin Page:

- Enter User-name and password in admin panel
- Open database connection
- Transfer to admin info table.
- Check user list
- Activate or deactivate user id.

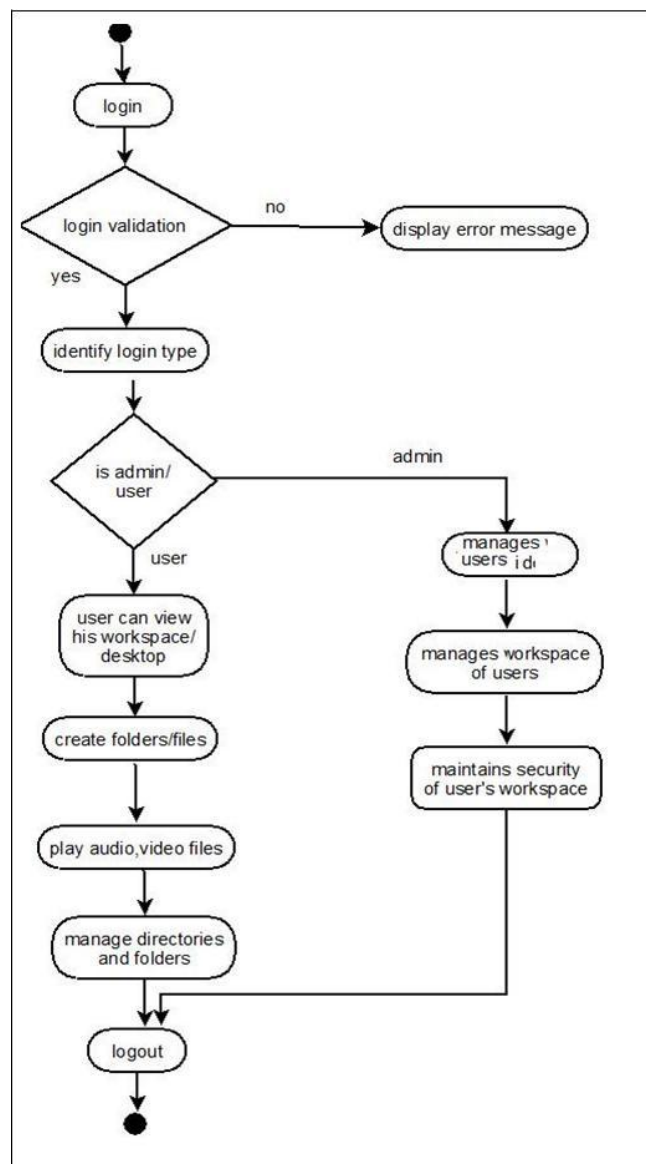


Fig. 2. Flowchart

VI. METHODOLOGY

When user will register by using registration page, the pop up will show that user account created. Wait for the administrator to activate it. Then when the admin will activate the user-id the user can then log-in into the system and can create, share the file, systems on-line.

VII. HARDWARE SOFTWARE REQUIREMENTS

A. Hardware Description:

While selecting the hardware for the application, we need to consider the size as well as the requirements of the application.

Minimum Requirements:

- Processor : 2.5 i3/i5/i7, +2 GHz
- RAM : 2 GB
- Hard Disk Drive : 20 GB

B. Software Description:

- Operating System : Windows XP/7/8 32 bit
- Front- End : Visual Studio/ C. NET/ Microsoft Silverlight Development Kit.
- Back- End : If Required, MS SQL SERVER 2008 EXPRESS

VIII. CONCLUSION

The Web-based Application is an open source system developed to provide all the features provided by XP system. In this approached system we have integrated all the applications on the one platform which the user can easily access the desktop virtually anytime anywhere through the Internet.

The system provides network sharing including file and link sharing in a secure way to share the important documents like word, excel sheet, images, audio, video etc. The group chatting application is used to have a discussion in groups in a secure manner. For any programmer kind of user, the system provides HTML, C# editors. The photo editing tool used to edit photos. Email-Client is used so that user can send his important emails. The advanced feature provided to our client is Stateful state of the system in which the position of the icons and the windows opened while working on the desktop will remain same whenever you login into the virtual desktop. Together with all these super features, other features are Instant messaging, Audio-Video player, Calendar, Clock, Mini browser, Sticky note, Social, Games, and Printer for printing documents.

In this busy schedule of human life, the user can effectively access the desktop virtually and can do all the tasks like working on his local machine.

IX. FUTURE SCOPE

The future of our application is that we can have our personal desktops on the server and we can use our personal desktop from anywhere across the globe.

It has the advantages which can completely change the definition of personal desktop and take it to a new level where it can take the full power of WEB.

The application has scope in colleges wherein the college can use this application for creating a workspace for students to have their college assignments on the college server and can use this application to view their docs i.e. assignments, on-line from anywhere. It can also use as a mobile Application.

Similarly, can be used in offices to maintain docs centrally on the server and each staff is a user who logs in and can have access to them.

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