

Use of Client Monitoring Client-Server Data Security and Health Management

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ABSTRACT

Use of computer system is increasing day by day and is very effective tools for increasing computational power. The aim of this paper is to handle all aspects regarding to the computer system. There issues monitoring, security and health. We are securing the client, monitoring with looking towards health, which may leads better results. In this paper, we discuss about the design and implementing client and server application, which monitor, secure and provide better avoidance related to the health related issues. We provide different security profile on same computer system that restrict the unauthenticated user to access or modify important data. The necessary condition is that Employees should have the separate computer system whereas Manager Activities are also monitored. This system increases accuracy in managing, manager and avoid the unnecessary use of Company computer system.

Keywords : Monitoring, Client And Server, Unauthorized User, Accuracy.

I. INTRODUCTION

In this paper we are trying to solve basic monitoring, computer security and health issues of computer users. Most of the work done before it regarding to large-scale environment and unknown about basic problem. Our solution will solve the problem of employee monitoring and computer laboratory management system. The some concepts like DUMS [1] providing solution but they require central database through which we are able to monitor clients and combining client mouse and keyboard event [2] trying to solve but we have to go from long algorithms and complex structure. Structure of computer security generally define on viruses and threads though we have good solution like antiviruses [3]. In this, we are trying to handle concept of data loss from user itself which will leads to the system crash. Touching to the concept of security generally there is a layered structure [4] though which we have to pass compulsory.

Employee monitoring software is a software, which help you to keep track on your employee activities in your absence [2]. This software can help you in business in many ways, such as: help you to increase

performance of software depends on the how it and easy from the system perspective. According to today's scenario security of client side data is also important with monitoring. There are numbers of software available in today's market which provides track of employee but they just provide screenshots of desktops and sending to the servers (Screenshot Monitor, iSage Free Keylogger, StstWin Single Lite,

As we know, monitoring computer system has different aspects and different methodologies to build a very secure infrastructure. Many uses distributed database architecture and monitoring from the applications, which are built only for monitoring and very complex algorithms not regarding client and server side security.

II. METHODS AND MATERIAL

Architecture

In consideration to the current scenario, we are trying to develop the software to fulfil all the basic requirements of computer user. There are some graphical modules and some will work in the background. Normally application, which will run in background, will continue until the end of software. It automatically sends all the client information to the server. This is one part of application and second is monitoring which counts the time and freeze the desktop for five minutes.

Consider example for computer laboratory management in the college student. There are generally three levels in understanding to the computer system according to their experience some are initial some are middle and some are expert level. They will also be beneficial for three level people.

- 1) Student
- 2) Computer Admin
- 3) Lecturer

Student's work as a client and client side application works on all three modules. We are all aware about the system data security from viruses and solutions are easily available in the market but there are also different scenarios where this software fails. Basically the students which are at initial level it will be possible to delete some files from C drive and they may lead to system failure or if he wants to theft some data drives are easily available. Suppose he/she will hide your some important data, it will also be dangerous for you. There are also some ways through which they theft data like from control panel, search option, system property, and system restore and recently access folder. If user will find way to access data so, our implementation level is based on user intelligence.

This was all about for computer admin's security now regarding student health. Student, which are new to the system mostly suffer from dementia and eye retina problems. This happens not because excessive use of computer but because looking towards the monitor for large time. There are many architecture like SAMS [2], which provides way to find disease according to the mouse and keyboard events. Looking towards prevention, we are freezing computer so that they will take rest for five minutes to fresh their mind and eyes also. Active learning [5] is also have to be a part of our syllabus and it will affect to our performance. Working more than half hour everyone getting tired so

Many time students did not work according to the lecturer and invest their valuable time in internet, games etc. Our third module working for the same it sends all the client information to the server so server always keeping a track to client. We are also trying to count time when client's mouse and keyboard are not working. This shows that students wasting their time in talking with others. If timer gets over then software convey to the server and starts beeping.

a) Client

Side

Module 1:

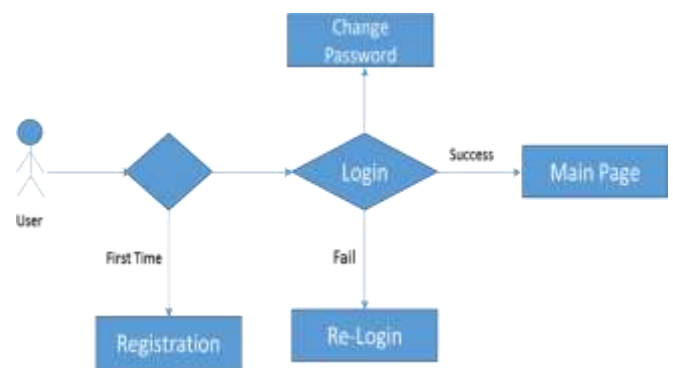
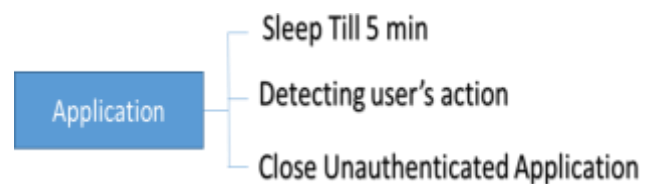


Figure 1. Client side module which will work as desktop application

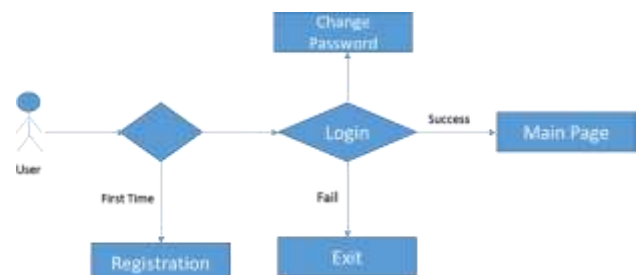
Module 2 :

Figure 2. Client side module that will work as desktop application



b) Server Side

Figure 3. Server side module that will work as desktop application



III. RESULTS AND DISCUSSION

Implementation

Implementation is based on client-server architecture in java. Module-2 will send client information to the server when they boot. And also receives the file which was send by the server and software will match all application which server allow and which client wants to run if match fails the software generate popup window and will close that application. Second part counts time that how many time client not in working condition by timer and java JNI will detect mouse and keyboard event if limits over the will inform to server and starts beeping. It also contain health module in which we will taking the help of timer and after half hour, system will sleep for five minutes.

Module-1 which situated in „main page“ in architecture will allows the admin from data theft and software from unknown user. There will total seven options available when you will click on particular option then you have to choose either hide or unhide. They contain batch files, which are executed after button click. After setting please reboot your system because system can reset registries are edit at time of booting.

IV. CONCLUSION

Although there are software which solves the basic issues of security, health and monitoring but they are working on separate environments and increasing complexity also. The performance of software depends on the how it and easy from the system perspective. From this you get a perfect solution to your organization to solve three level of problems security, health and monitoring.

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