

# NETWORK FILE THIEF ANNOUNCER

*R. Selvapriya., MSc.,Mphil.,*

*Assistant professor*

*Jothipriya.S, Sindhu.R*

**SRI KRISHNA ADITHYA**

**COLLEGE OF ARTS AND SCIENCE.**

## **Abstract**

Network Security is the biggest concern and priority of any network administrator today. But it is difficult to get a good definition of network security. Most of today's security threats are aimed at the enterprise desktop. It is critical that robust mechanism be used to secure the desktops inside our network.

## **Introduction**

The project Entitled as "Network Thief Announcer" is used in the Computer Labs and Browsing center and enterprises for preventing the hacking of secured information stored on a computer. The main aim of the project is to develop a new security mechanism to protecting the second information stored on a network computer.

Thief Announcer is a GUI based software to monitor and control unauthorized person to access the personal computer connected on a network. This system is having motion detection feature to detect the unauthorized person sit on the computer.

The system will send immediate notification directly to user system. As soon as motion intrusion is detected we can customize alerts. So we can view activities monitored by our camera from anywhere with an internet connection. Other features on this system are folder watch, File security, desktop lock, keys tracker and process Monitoring. The folder watch allows the user to monitor the particular folder that is the log file used to store the activities occurring on the folder. The file folder that is the log file used to store the activities occurring on the folder. The file Security is helps to lock the file by given secret password. The keys tracker is helps to capture the keys typed on a computer and it will be recorded automatically. The process Monitoring helps to show the entire running processes of the computer.

The System is aimed at developing by using Visual Basic .Net as Front End.

## **Existing methodology**

In companies, the documents or other resources need to be protected and unauthorized persons must not access. View or edit the documents. The

documents if misused by others may cause the theft of the valuable data between the companies. Moreover, the document if spited in various partitions needs to be searched so that they can be found out and collectively used. In addition in normal desktop applications the files can be protect using software but the problem is any one uninstall the software system it may not be protected effectively. Un authorized user can easily theft the important document in networks. This lead big problem to user and as well as company.

#### **Disadvantages:**

- In existing system there is huge problem on Security.
- So the security level is low.
- Failed to trace File modification and file accessing by unauthorized users.
- Existing system doesn't provide alerts if data accessed by others.
- It's not user friendly.

#### **Proposed methodology**

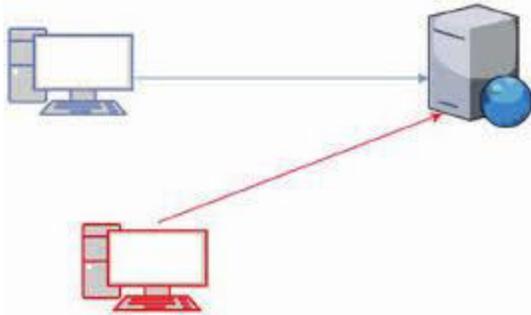
The disadvantages which are faced during existing system can be eradicated by using the proposed system. The main objective of the proposed system is to implement a user-friendly interface for thief announcement. The project provides an forceful tool to protect the user files and folders with high security and monitoring scheme.

When PC user tries to access any secured file or folder, dialog box querying password arrives on the screen. If entered password is valid, the user can approach this file or folder, otherwise not. File & Folder Protector does not viewed without the passwords, user can encrypt the files. So attacker can't modify the data: in protecting your files or folders, it just uses a high-accuracy encryption techniques working at software level. This guarantees that File & Folder Protector will never miss the user data, as many happen if you use other file and folder-protecting software. If unauthorized persons view or edit or delete the documents means sms alert will sent to user effective manner.

#### **Advantages:**

- Security level is high.
- Multi level security.
- Immediate alerts via SMS.
- Every modification and actions of the folder will be sent to the user via SMS.
- File protection mechanism.
- File monitoring scheme against file threat.

#### **ER Diagram**



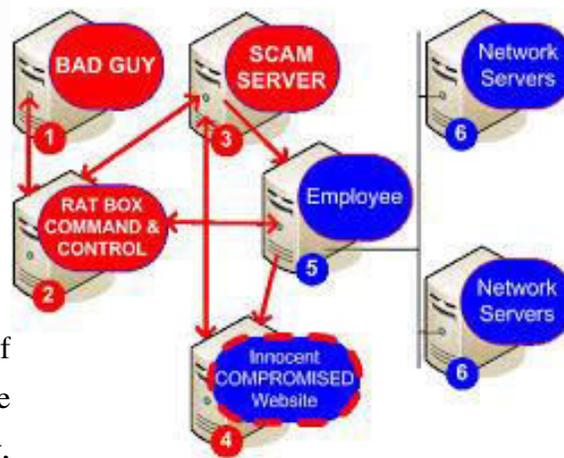
- Validation Testing
- System Testing

### Testing

Testing is done at two levels - Testing of individual modules and testing the whole framework. During the framework testing, the framework is utilized tentatively to guarantee that the product will run by the determinations and in the manner the client anticipates. Each test is organised with the arrangement of finding botches in the way the structure will process it. Testing assumes an extremely basic job in deciding the unwavering quality and effectiveness of programming and henceforth is a significant stage in programming improvement. Programming testing is done at various levels. They are the unit testing and framework testing which includes joining testing and acknowledgment testing.

### TYPES OF TESTING:

- Unit Testing
- Integration Testing



- Black box Testing
- White box Testing
- Performance Testing
- Usability Testing

- Acceptance Testing

### Unit Testing

This is the principal level of testing. The various modules are tried against the details created during the incorporation. This is done to test the inner rationale of every module. Those subsequent from the connection between modules are at first maintained a strategic distance from. The information got and yield made is moreover attempted to see whether it falls in the typical extent of characteristics. Unit testing is performed from the base up, starting with the tiniest and least modules and proceeding with one by one. The units in a framework are the modules and schedules that are amassed and coordinated to play out a particular capacity. The projects are tried for rightness of rationale applied and recognition of blunders in coding. All of the modules were

attempted and the goofs were rectified. They were then found to work appropriately.

### **Integration Testing**

In integration testing, the tried modules are consolidated into sub-systems, which are then tried. The objective of incorporation testing is to check whether the modules can be coordinated appropriately underlining on the interfaces between modules. The different modules were linked together and mix testing is done on them.

### **Validation Testing**

The goal of the approval test is to enlighten the client concerning the legitimacy and dependability of the framework. It confirms whether the framework works as determined and the respectability of significant information is kept up. Client inspiration is significant for the effective execution of the framework. All the modules were tried exclusively utilizing both test information. After every module was determined that it was working effectively and it had been "coordinated" with the framework. Again the framework was tried overall. We hold the framework tried with various sorts of clients. The System Design, Data Flow Diagrams, methods and so forth were all around recorded with the goal that the framework can be effortlessly kept up and updated by any PC proficient later.

### **System Testing**

The joining of each module in the system is checked during this level of testing. The goal of system testing is to check if the product meets its necessities. System testing is done to reveal blunders that were not found in before tests. This incorporates constrained framework disappointments and approval of all out framework as the client in the operational condition executes it. Under this testing, low volumes of exchanges are commonly founded on live information. This volume is expanded until the greatest level for every exchange type is come to. The complete framework is likewise tried for recuperation after different significant disappointments to guarantee that no information are lost during the breakdown.

### **Black box Testing**

Black box testing is a testing technique that ignores the internal mechanism of the system and focuses on the output generated against any input and execution of the system. It is also called functional testing. It is mainly used for validation.

### **White box Testing**

White box testing is a trying strategy that considers the inward instrument of a framework. It is likewise called basic testing and glass box testing. White box testing is for the most part utilized for check.

### Execution Testing

Execution Testing is the trying to survey the speed and viability of the framework and to ensure it is creating results inside a predefined time ass in execution necessities. This falls under the class of performance testing.

### Ease of use Testing

Ease of use testing is performed to the point of view of the customer, to assess how the GUI is easy to use? How effectively can the customer learn? Ensuing to making sense of how to utilize, how competently can the client perform? How fulfilling is it to utilize its arrangement? This falls under the class of exposure testing.

### Acknowledgment Testing

Acknowledgment Testing is regularly done by the client to guarantee that the conveyed item meets the necessities and fills in as the client anticipated. It falls under the class of discovery testing

### Conclusion and Future Enhancement

This project data robbery assault programming was effectively made and put away all the fill insurance subtleties into the database utilizing this application. The application was tried quite well and the mistakes were appropriately repaired. Testing in like manner inferred that the introduction of the structure is adequate. All the

significant yield is created. This framework this gives a simple method to robotize all the functionalities of utilization. On the off chance that this application is executed in little utilization, it will be useful. Further updates can be made to the endeavor, with the objective that the site limits in a charming and significant manner than the present one. Every application has its individual merits and terrible imprints. The endeavor has made sure about for all intents and purposes all the requests. Further prerequisites and enhancements should effectively be possible since the coding is fundamentally organized or particular in nature. Changing the existing modules or including new modules can attach upgrades. Further upgrades can be made to the application, by expanding the current modules in detail.

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