1. ABSTRACT

Data safety and security is one of the most talked about issue in today's world. There has always been concerns about the data vulnerability and unauthorized alteration of the data. Hence "File security system" is the program that will help the user to protect the data they want to secure form being accessed by the unauthorized people. This will help people to encrypt and decrypt the file securely in a fast and reliable way.

2. INTRODUCTION

The title of my project is "File Security System". The proposed File Security System is an application that provides the users the flexibility of passing the information implementing the encryption standards and store the information in a form that is unreadable. Encryption of data plays an important role protect the data from the unauthorized people and to avoid modification and misuse of the sensitive data. It alters the originality of the data into some encrypted form so that it cannot be altered and tampered by unauthorized access.

3. DETAILED SYSTEM DESCRIPTION

This program should be able to encrypt the given file by the user and encrypt it in a secure way. This application system should have a reversal process as of which should be in a position to decrypt the data to its original format upon the proper request by the user. Before performing the Encryption and Decryption, the application should confirm the standards of authentication and authorization of the user.

4. REQUIREMENTS:

4.1 Software Requirements:

Operating System: Windows XP and Above

Front-end: Java JDK, J2Sdk, Swings

Back End: Oracle 8i Communication Architecture: JDBC

4.2Hardware Requirements:

Processor: Minimum Pentium IV Processor with 1.9 GHz Clock Speed RAM: 512 MB RAM or more

Hard Disk: Minimum 20 GB HDD Mouse: 3 Button scroll/ Wireless mouse Key Board: 101 Standard keys

5. LITERATURE REVIEW

Various research methodology including review and analysis of past information came up with many innovative ideas for development of this system. Beside these, research via internet, communication media, and journals made me realize that safety of the data is one the major problem occurring today. So, keeping this in mind I decided to work on this project file encryption system. In this system, the user that wants to encrypt the file will first be authenticated and then the file or the data they want to encrypt will be uploaded to the system and will be given an encryption key. After that the file will be secure and only the authorized person who has the decryption key will be able to view or unlock the secured data.

6. USER MANUAL

This application should have a friendly GUI, it should have a self-learning mode for the end user and easy to use. It should provide all the functional standards of proper navigation to the end user using menu based navigation, helping the users to have a smooth flow while using the application of encrypting and decrypting the file.

7. CONCLUSION

The main purpose of this system is to ensure the security of the data from the unwanted intervention and attack through a user-friendly way. The data given to the system by the user is converted to an encrypted file. And only those with the

decryption key will be able to unlock the file to its original form protecting it from the unauthorized party.

8. REFERENCES:

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