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Fingerprint Folder lock system

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ABSTRACT: Our project is a Java implementation of AES algorithm for fingerprint encryption. Biometric traits are unique to each person and wherever he goes, it goes with him. Fingerprint authentication is an efficient system, as opposed to password-based authentication, where the password can be lost or forgotten or hack

KEYWORDS: AES, Biometric

I. INTRODUCTION

A locked folder is a method used to ensure that no one intentionally has access to your private and confidential information. Currently used password based systems have many associated inconveniences and problems such as requiring the user to remember passwords, passwords can be guessed or broken through brute force and also have non-rejection problems is. In addition, the password authentication method is breakable as a keyword is allowed to access some. Therefore, it can be leaked and cracked using any method such as dictionary attack, or social engineering. Due to the drawback, this method lacks the universality of some features and the system's validation performance is the upper limit and the unacceptable error rate for a single modal authentication system. Multimodal biometric can be a combination of two types of any physical or behavioral biometric as it is applied in a system that has been developed. Therefore, a system is proposed to overcome the above problems by adding multimodal biometric authentication that will provide another layer of security. Those problems are being overcome and it has been proven that by adding another layer of security because authentication is more secure. It has been proved and tested that using a combination of two biometric methods, fingerprint and signature, as authentication method is more secure and reliable**.**

1.2 Literature Survey

A locked folder is a method used to ensure that no one intentionally has access to your private and confidential information. Currently used password based systems have many associated inconveniences and problems such as requiring the user to remember passwords, passwords can be guessed or broken through brute force and also have non-rejection problems is. In addition, the password authentication method is breakable as a keyword is allowed to access some.

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II. PROPOSED SYSTEM

In our project, the step is to capture the fingerprint using a fingerprint scanner. After finger capturing we will use the fingerprint template and generate unique IDs per user, after extracting the ID we will provide the facility to lock and unlock user information like files and using the folder byte rotation algorithm .

User data can be large in size, so our project provides a chanking mechanism to process user data in small segments. The multiplayer matching technique is used to verify the verification of multiple user fingerprints. To achieve high speed and reliable security system, we are using bio-metric fingerprint technology
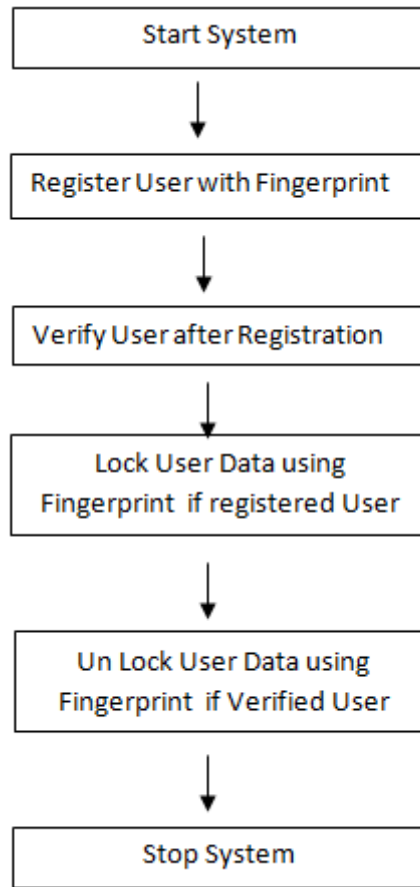
Chart -1: Flowchart

Advantage:

Biometrics has no risk of

1. Forgetting it
2. Getting in stolen
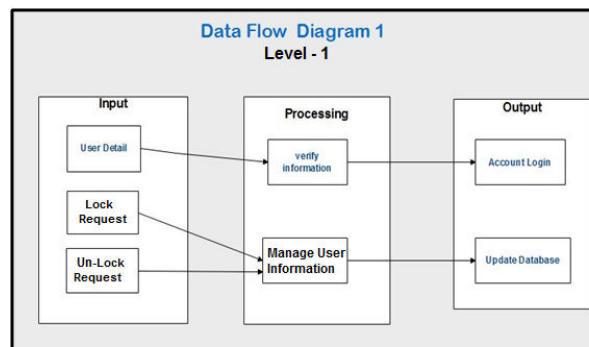3. Getting it copied Being used by anyone else

Fig -1: DFD 1

Future Scope : Performance can be increased in terms of speed and memory.

A speaking voice alarm can be used to indicate unauthorized person accessing the Account.
The system can be made to communicate with modems or mobile phones

III. CONCLUSIONS

The fingerprint device based system for securing the transactions of the user and providing the security for the User and even more for the Account verification using a finger print scanner has been followed.

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