

PassLock

Overview

PassLock is a secure password encryption application designed to enhance the security measures of storing sensitive user information. By encrypting passwords, PassLock's aim is to safeguard user data from unauthorized access.

Functionality

PassLock operated by verifying user-provided email address and passwords against a set of predefined requirements to ensure they meet the requirements set by the user. The email addresses and passwords set in the plain text file are used as a first step of security by ensuring that no extra personnel gain access to storing extra passwords. Once validated, the application encrypts the password from the plain text file and stores the encrypted password in an encryption file that is then uploaded into the database. The plain text file with emails and passwords are cleared to prevent access from unauthorized personnel.

Key Features

- Password Validation: The password should adhere to specific criteria
- Encryption: Robust encryption algorithms are used to securely encrypt passwords

Conclusion

PassLock provides a reliable and efficient solution for secure password management. By integrating this application, organizations can enhance their security protocols by protecting sensitive information against arising cybersecurity threats.