

Password Manager

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Description

According to the International Telecommunications Union, over half the world has access to the internet today. That means many passwords are floating out there, and the global population is collectively managing anywhere between ten billion and a hundred billion passwords. This provides cybercriminals many opportunities to target. The damage caused by cybercrime is estimated to hit \$6 trillion annually in 2021.

The objective of this Password Management System is to manage passwords for different accounts on the internet. The user shall be able to save all the username and passwords information of the accounts he holds on the internet using this application. These details shall be saved in the database in encrypted format. This will help the user to remember different usernames and passwords for accounts on the internet. The user shall be able to add an account, edit and delete accounts using the system. The user has to login to the system in order to use this tool. In addition to passwords, the user can also use the encryption service to save other confidential information such as credit/debit card details, secure notes etc.

Password management is defined as a system that facilitates a simple, secure way to store passwords and access them quickly when required. Today, password management is a critical part of the IT policy of most organizations. Password management solutions ensure robust cybersecurity as well as convenience for home and enterprise users alike. While convenience is the primary allure of password management for personal users or small enterprises, large corporations prefer these solutions for a different reason—protecting sensitive information from unscrupulous elements in an environment where traditional password management methods would be too difficult to enforce. This article explains the basics of password management and shares some best practices.