

# **Passwords Management Project**

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Presented by Group 3

# Introduction

With users averaging over ten online accounts, **creating unique passwords** for each presents significant challenges.

Users often **struggle with** remembering numerous passwords, leading to risky password reuse.



Our project aims to provide a secure local repository for efficient password management.

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## **– Our Goal**



# Technologies Used



## Python

Programming language



## Random & String

Python libraries used for password generation



## OS

Python library used to interact with the operating system



## Streamlit

User Interface Framework



## Base64

Python library used as encryption mechanism



## Dictionaries

Data Structure

# System Architecture

The architecture comprises backend logic handling storage and encryption, a user-friendly Streamlit interface, and local text files for secure password management encrypted with Base64 encoding.



# Core Features

01



## Authentication

**Securing** access to stored accounts

02



## Add Account

Allow users to add new accounts

03



## View Accounts

View stored accounts and passwords

04



## Update Passwords

Allow users to update account credentials

# Core Features

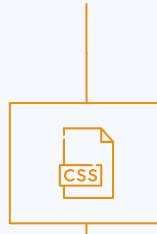
05



**Delete Account**

**Remove** accounts from repository

06



**Password Generator**

**Generate** new passwords at user's preferences

07



**Local Storage**

Data is stored on user's device to ensure privacy

08



**Encryption**

Passwords are saved in an encrypted format

# Project Demo

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# Thanks !

Do you have any questions?

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