

# Project 29: Password Manager

## Description

This project is a password manager application built with Tkinter, allowing users to generate and store secure passwords. Users can input their website, email, and password details, and save them to a file. The application also includes a password generator that creates a random password with letters, numbers, and symbols. The generated password is copied to the clipboard for easy use.

## Key Technologies

- **Python:** Used for implementing the password manager functionality and user interface.
- **Tkinter Library:** Utilized to create the graphical user interface (GUI) with widgets such as Entry, Label, Button, and Canvas.
- **Random Module:** Employed for generating random characters for the password.
- **Pyperclip Library:** Used to copy the generated password to the clipboard.
- **Concepts Covered:** GUI development, password generation, file handling, and clipboard operations.
- **Unique Features:** Includes a password generator with customizable options and the ability to save and manage password records.