Password Analyzer & Wordlist Generator

Introduction

This project involves building a user-friendly GUI tool that helps analyze the strength of passwords vand generate custom wordlists based on user inputs. It serves as a helpful utility for security enthusiasts, penetration testers, and learners interested in cybersecurity ...

Abstract

The Password Analyzer & Wordlist Generator simplifies the process of evaluating password strength and generating targeted wordlists for use in security testing 🚀 . By taking inputs like name, date of birth, and pet name 😭 , it applies leetspeak transformations and appends years (1990–2030) to create a comprehensive wordlist. It also provides real-time feedback using the zxcvbn library $^{\wedge}$.

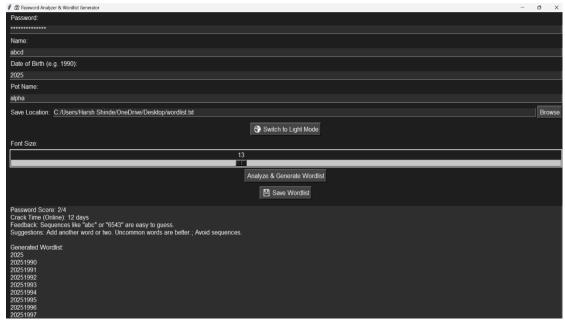
Tools Used

- Python Programming Language Q
- Tkinter (for GUI development)
- zxcvbn (for password analysis)
- ReportLab (for PDF reports)

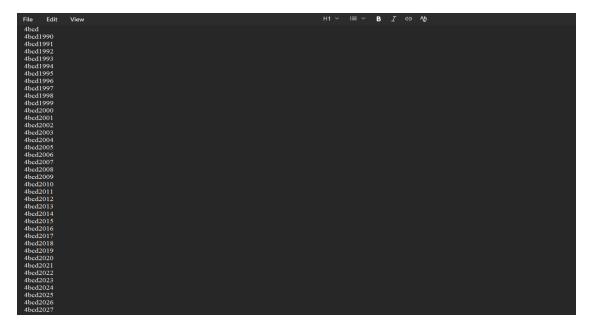
X Steps Involved in Building the Project

- 1. GUI Design using Tkinter.
- 2. Implement password strength analysis using zxcvbn.
- 3. Preate wordlist generation logic combining leetspeak and years.
- 4. He Enable saving the wordlist to a file.
- 5. Add light/dark mode and font size options.
- 6. Package the tool for easy use.

Sample User Interface



Sample Generated Wordlist



© Conclusion

This project is simple, fun &, and effective \oint . It bridges the gap between beginners and experts by providing an intuitive way to analyze password security and create useful wordlists \P .