

1. Password Strength Checker

Project Overview: Create a tool that evaluates the strength of a password based on various criteria such as length, use of special characters, numbers, and both uppercase and lowercase letters.

Objectives:

- Understand password security best practices.
- Implement criteria for password strength.
- Develop a user interface for input and feedback.

Prerequisites:

- Basic understanding of programming concepts.
- Familiarity with Python or JavaScript.

Tools and Technologies:

- Python or JavaScript
- HTML/CSS (if building a web interface)

Steps to Complete:

1. Research password strength criteria.
2. Define rules for evaluating password strength.
3. Implement the evaluation logic in your chosen programming language.
4. Create a simple user interface for inputting passwords and displaying feedback.
5. Test the tool with various passwords to ensure accuracy.

Additional Resources:

- [OWASP Password Cheat Sheet](#)
- [Python Basics](#)