Password Strength Analyzer & Custom Wordlist Generator

This project tackles common password weaknesses. It is a client-side web application. It analyzes password entropy, common patterns, and dictionary matches. It also generates custom wordlists. No server-side dependencies are needed.

Project Development & Impact

Strength Analysis

Uses zxcvbn-like algorithms for real-time feedback.

Entropy Calculation

Measures strength in bits based on character set.

Pattern Detection

Identifies sequential, repetitive, or keyboard patterns.

Wordlist Generation

Creates custom permutations with user-defined rules.

This tool enhances security by giving immediate feedback. It helps users make stronger password choices. It is a practical utility for validating security policies.