

Password Generator and Validator System

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Passwords are essential for protecting user data.

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Weak passwords can be easily attacked.



This system helps users create secure passwords.

PROBLEM STATEMENT



Users often choose simple passwords



Weak passwords increase security risks



No proper tool to check password strength

OBJECTIVES



Generate strong and random passwords



Validate passwords using security rules



Display passper tool to check strength clearly

PROJECT SCOPE



USEFUL FOR STUDENTS & PROFESSIONALS



FOR WEBSITES & APPLICATIONS

SCOPE OF THE PROJECT



GLOBAL DIGITAL DEFENSE

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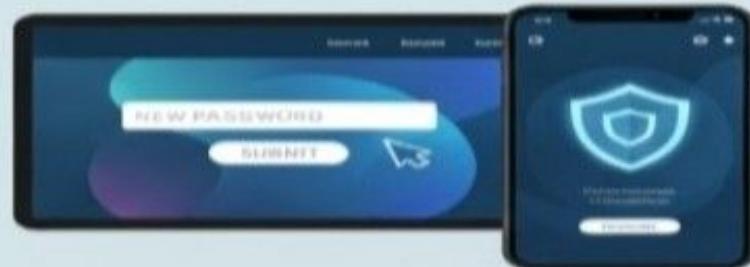
IMPROVES PASSWORD SECURITY AWARENESS

SYSTEM ARCHITECTURE



USER INTERACTION

User interacts with the system



USER INTERFACE

User Interface accepts input



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PASSWORD GENERATOR

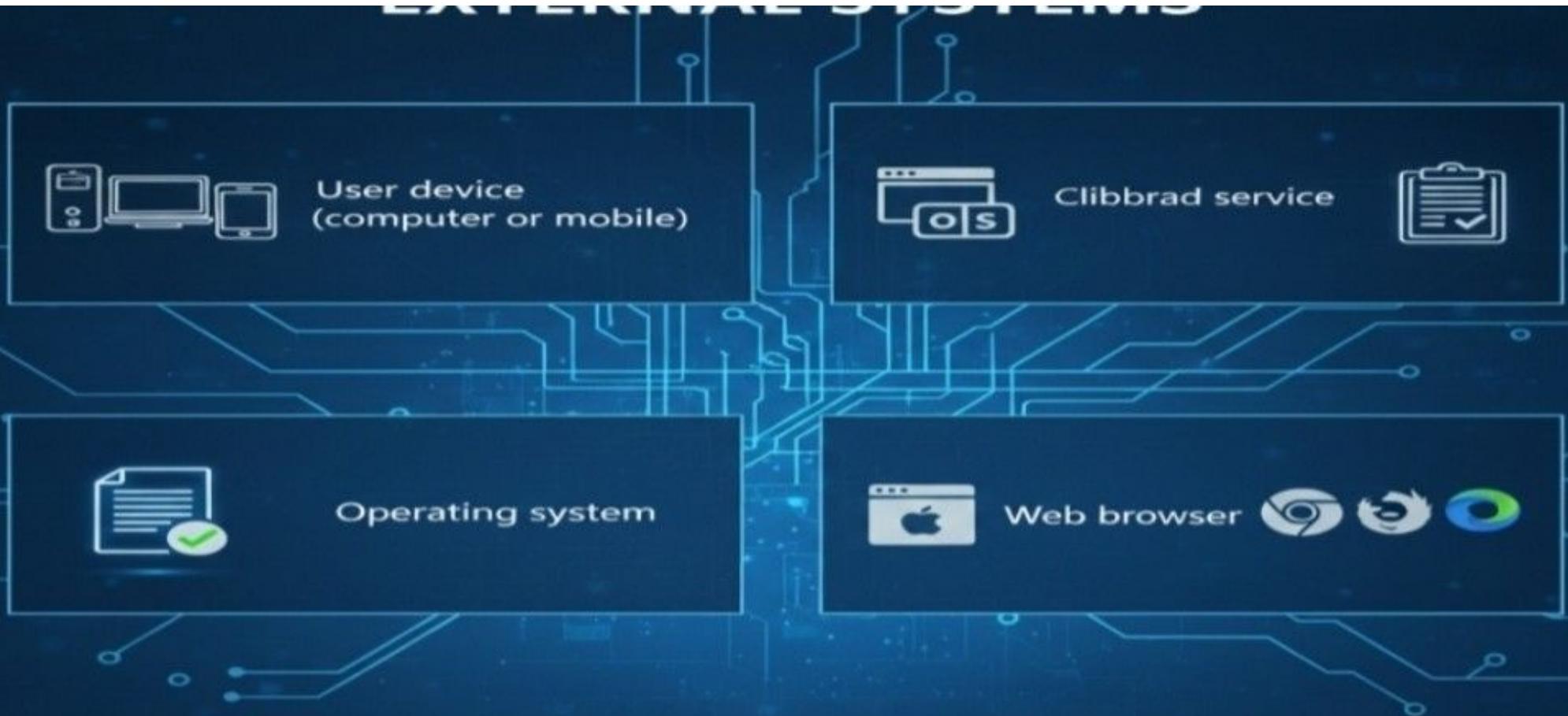
Generator creates passwords

PASSWORD VALIDATOR



PASSWORD VALIDATOR

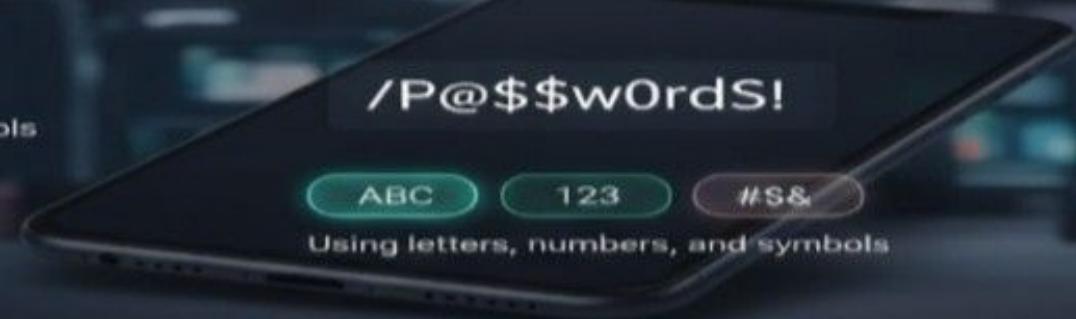
Validator checks password strength



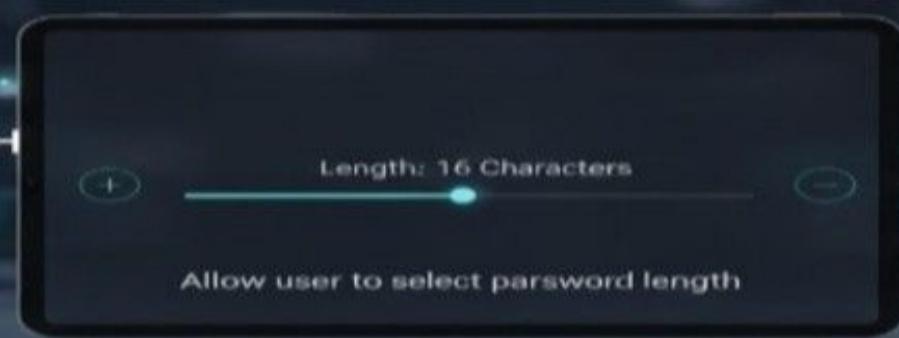
FUNCTIONAL REQUIREMENTS

GENERATE PASSWORDS

Using letters, numbers, and symbols

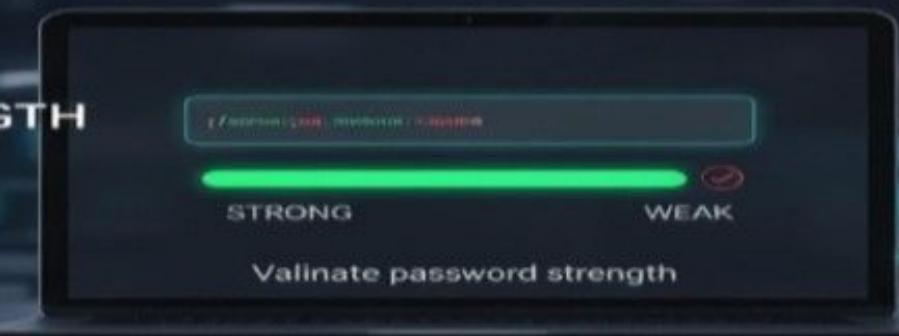


SELECT PASSWORD LENGTH



VALIDATE PASSWORD STRENGTH

Validate password strength



NON-FUNCTIONAL REQUIREMENTS



Fast response time

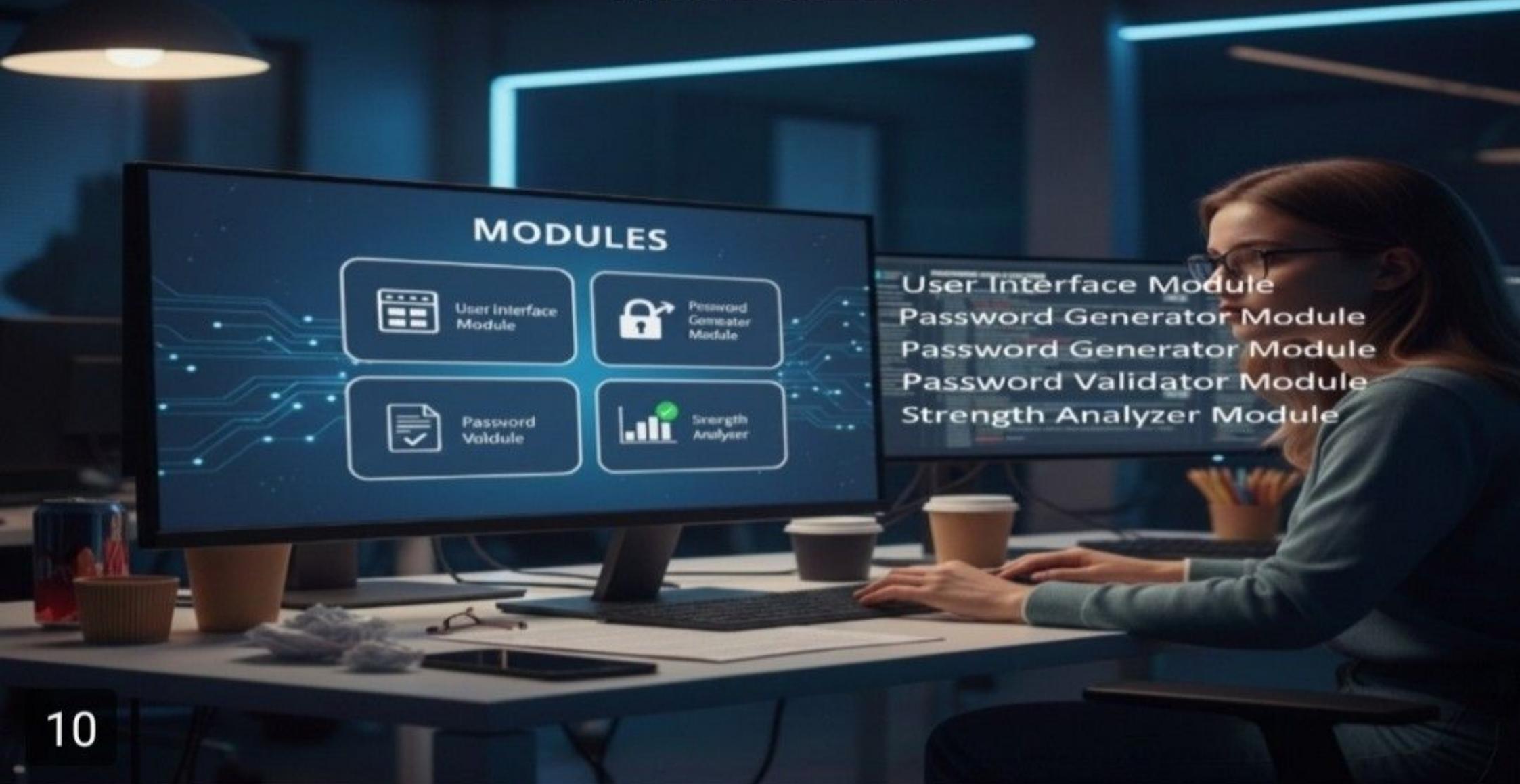


Secure processing



Easy to use interface

MODULES



TESTING

Tested password generation with different lengths

Tested password validation with various inputs

Errors identified and corrected

Errors identified and corrected

CONCLUSION

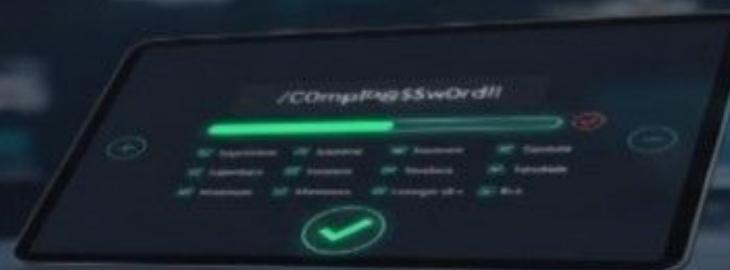
IMPROVES PASSWORD SECURITY

The system improves password security



CREATE STRONG PASSWORDS

Helps users create strong passwords easily



SIMPLE & EFFECTIVE SOLUTION

Simple and effective solution

