

# Strong Password Generator Extension

CODE WARRIOR



# Problem Statement

## ADDRESSING PASSWORD SECURITY

- Users create weak or reused passwords
- This leads to **security breaches**
- There is a **growing need** for a smart and user-friendly password tool
- Our project aims to tackle these issues effectively

# Project Objective Overview

## GOALS OF OUR TOOL

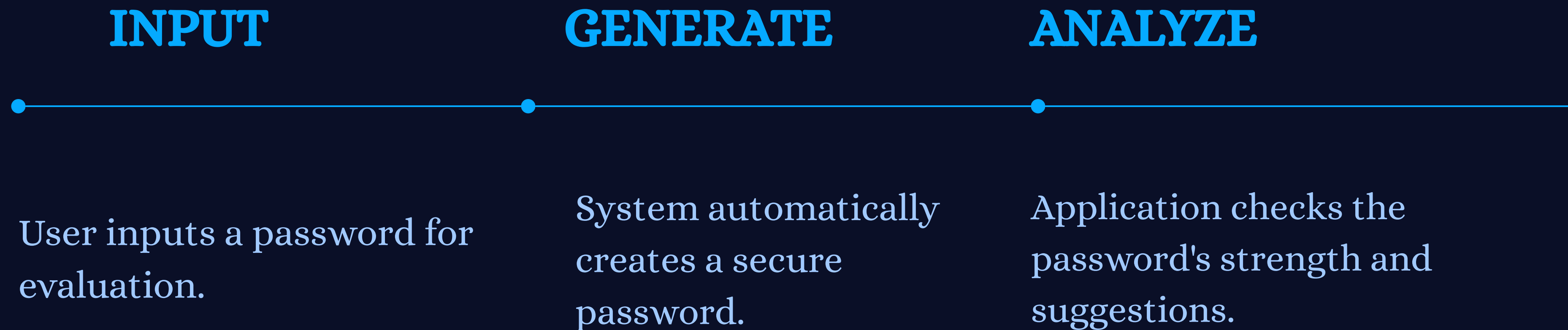
- Generate strong passwords automatically
- Check strength in real time
- Educate users on password safety
- Our tool is designed to empower users by ensuring they have secure passwords and understand best practices for online safety.

# Technology Stack Overview

## TOOLS AND FRAMEWORKS USED FOR DEVELOPMENT

- Frontend built with HTML, CSS, JavaScript
- Backend powered JavaScript
- Password strength
- Development tools: VS Code, Chrome and GitHub


# Work Flow



# Sample Output: Password Strength and Suggestions

## INPUT EXAMPLES


Users receive immediate feedback on password strength. Suggestions help enhance security, ensuring passwords are both strong and memorable for daily use.

 **Smart Password Generator**


🌟 Enter Your Name (One-Time Setup)

First Name

Last Name


 **Generate Password**


🔑 Generated Password

 **Hide**

**STRONG**

💡 Consider 16+ characters for maximum security.

 **Reset**

 **Validate**

# Future Enhancements

## AI PREDICTION

Implementing AI-based predictions will enhance password generation by analyzing patterns, ensuring users receive secure and unique passwords effortlessly.

## SECURE CLOUD

Introducing a secure cloud vault will allow users to store and manage passwords safely, providing access from any device securely.

## CHROME

Developing a mobile app and Chrome extension will enhance convenience, enabling users to generate and check passwords on the go seamlessly.



# TEAM MEMBERS

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Thank  
You for  
Your  
Attention