Web Based Password Complexity Checker
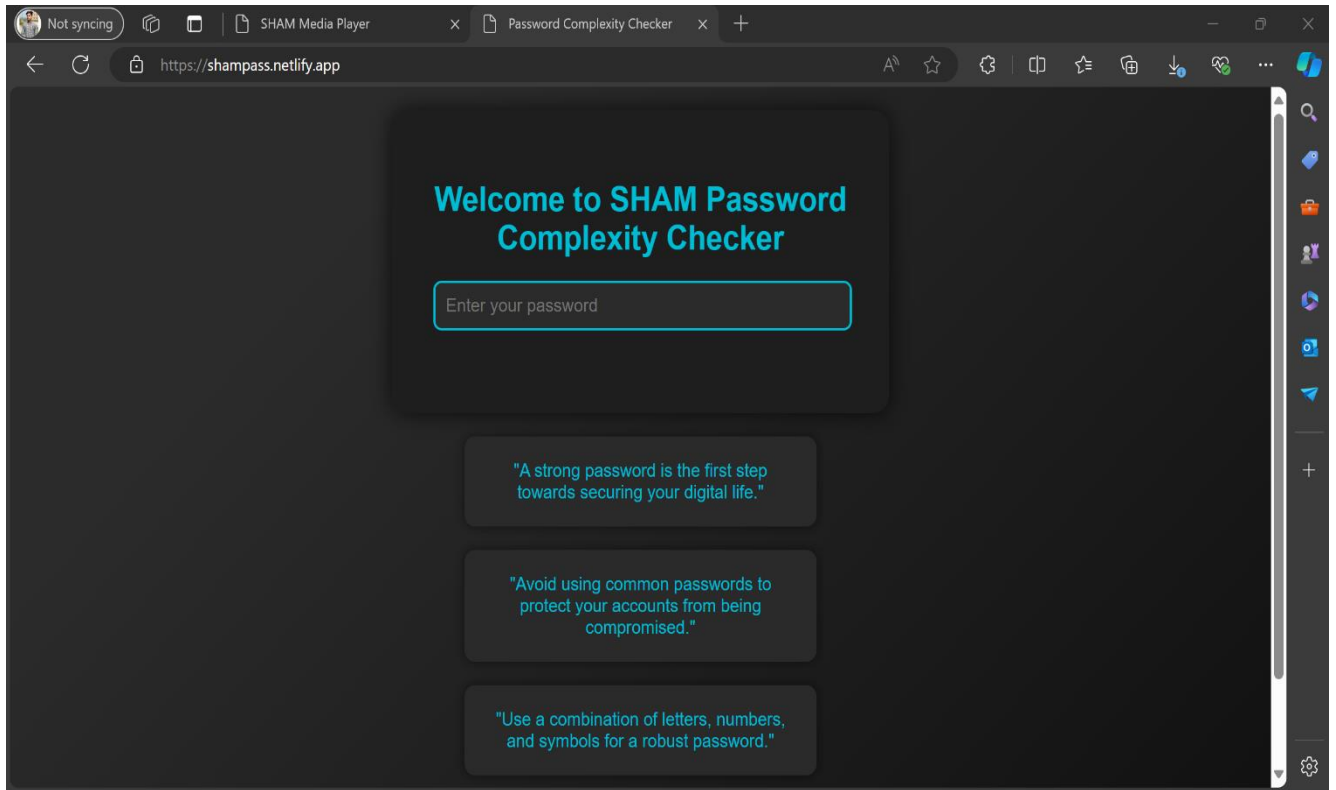https://shampass.netlify.app/

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1- <u>Introduction:</u>

<u>Title:</u>

SHAM Password Complexity Checker

<u>Overview:</u>

I have developed a comprehensive password complexity checker tool, available online at [SHAM Password Complexity Checker](). This tool utilizes HTML, CSS, and JavaScript to dynamically assess password strength based on length, character types, and complexity criteria. Users receive instant feedback, ranging from 'Very Weak' to 'Very Strong', encouraging the creation of robust passwords. It serves as a practical solution for enhancing digital security measures.
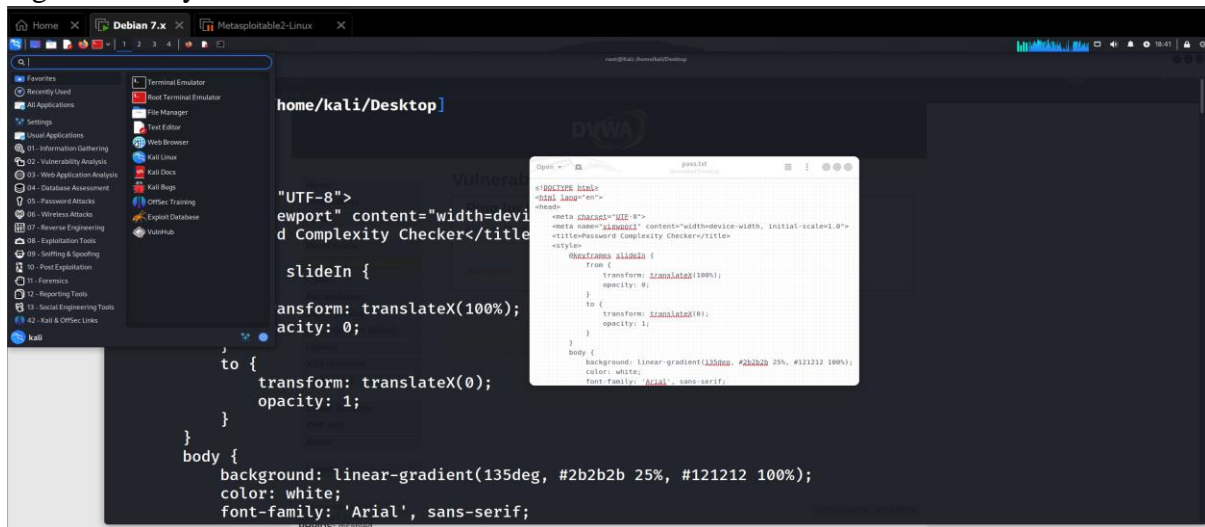
2- <u>Features:</u>

<u>Functionality:</u>

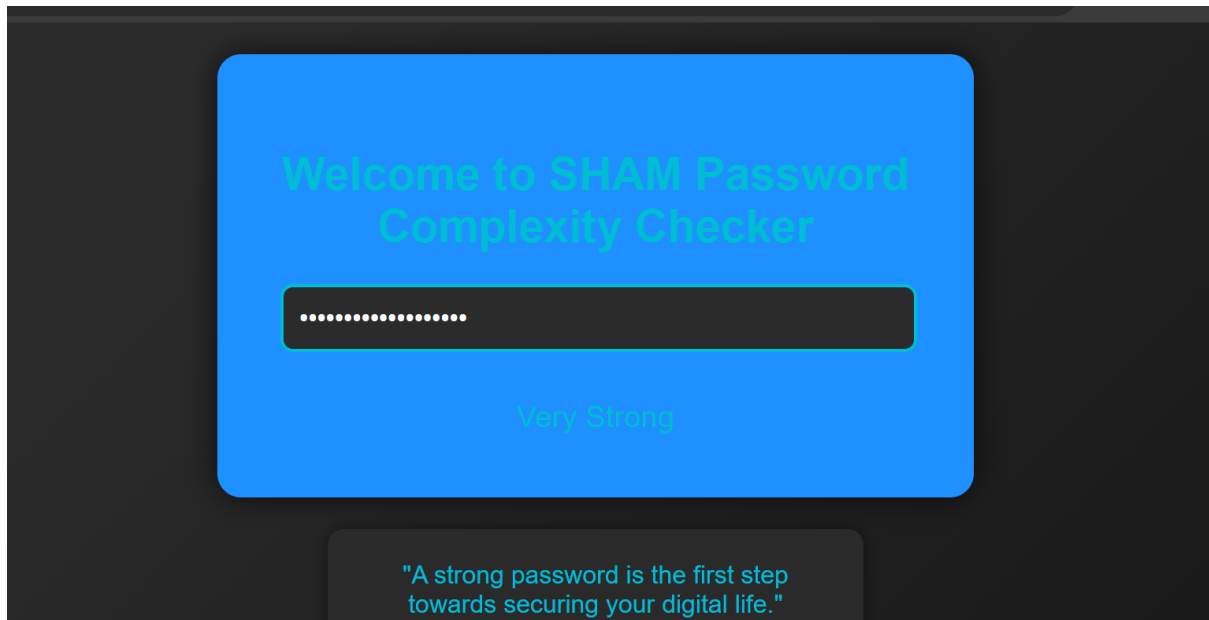The SHAM Password Complexity Checker evaluates password strength based on several criteria. It assesses the length of the password and the presence of different character types such as uppercase letters, lowercase letters, numbers, and special characters. The tool dynamically updates its assessment as users input their password, providing immediate feedback on its strength level from 'Very Weak' to 'Very Strong'.
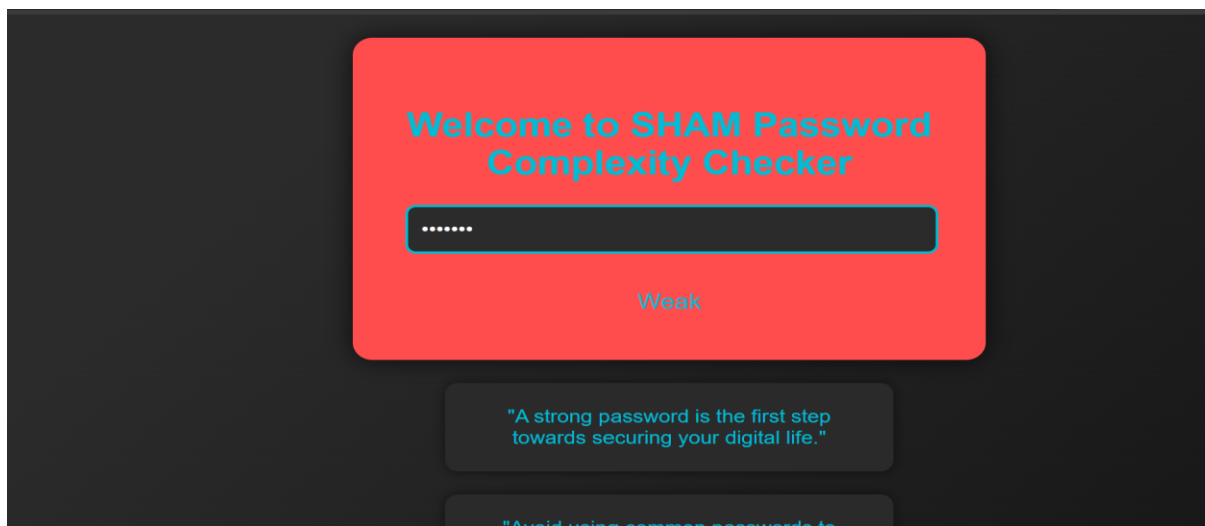
The tool employs a real-time feedback mechanism to inform users about the strength of their passwords. It categorizes passwords into distinct levels based on their complexity and security robustness. Users receive clear indications of how their passwords measure up against common security standards, empowering them to create stronger passwords that are resilient against potential attacks.

Technologies:

The SHAM Password Complexity Checker is built using HTML for structure, CSS for styling, and JavaScript for interactive functionality. HTML forms the backbone of the user interface, CSS ensures a visually appealing and responsive design, and JavaScript enables dynamic password evaluation and feedback without the need for server-side processing. Together, these technologies deliver a seamless user experience while reinforcing best practices in password security.

3- Usage Instructions

Access:

Access the SHAM Password Complexity Checker tool online at https://shampass.netlify.app/.

Instructions:

- **Enter a password:** Type your desired password into the input field provided on the tool's homepage.
- **Observe feedback:** As you type, the tool will provide real-time feedback on the strength of your password. It categorizes passwords into levels such as 'Very Weak', 'Weak', 'Medium', 'Strong', and 'Very Strong' based on criteria like length, character types, and complexity.
- **Adjust your password:** Use the feedback provided to adjust your password accordingly. Aim to achieve a higher strength level by incorporating a mix of uppercase letters, lowercase letters, numbers, and special characters.
- **Enhance security:** Create a password that aligns with the tool's recommendations to enhance the security of your accounts and protect against potential cyber threats.

4- Additional Tips

Security Tips:

- Create Strong Passwords: Use a combination of uppercase letters, lowercase letters, numbers, and special characters.
- Avoid Common Patterns: Avoid using easily guessable information like birthdays or common words.
- Use Unique Passwords: Generate unique passwords for each account to prevent a single breach compromising multiple accounts.
- Enable Two-Factor Authentication (2FA): Enhance security by enabling 2FA where available, adding an extra layer of protection.

Contact Information:

For questions or feedback, feel free to contact me via my LinkedIn profile. I'm here to assist with any inquiries regarding the SHAM Password Complexity Checker or cybersecurity best practices.

5- Conclusion

The SHAM Password Complexity Checker is a valuable tool designed to enhance your digital security effortlessly. By providing real-time feedback on password strength and offering practical tips for creating robust passwords, this tool empowers you to strengthen your online defences. Utilize the SHAM Password Complexity Checker to safeguard your accounts against unauthorized access and cyber threats. Start today to ensure your digital presence remains secure and protected.

*ChatGPT saves the day :)