# Task 6: Password Strength Analysis Report

This report presents the results of a password strength analysis. The analysis was performed to evaluate the security of the provided password list and to suggest improvements for weak passwords.

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| --- | --- | --- |
| Password | Strength | Suggestion for Improvement |
| dewasi0rd! | medium | Use longer length + mix of symbols |
| d!4w%six7#9t | Strong | Already strong |
| Posu123 | Weak | Add numbers & special characters |
| rabari@2025 | Medium | Increase length and avoid common words |

## Conclusion

Out of the 4 passwords tested, 2 were weak, 1 was medium, and 1 was strong. Weak passwords are vulnerable to brute-force and dictionary attacks. To enhance security, it is recommended to use passwords with at least 12 characters, including uppercase letters, lowercase letters, numbers, and special symbols.