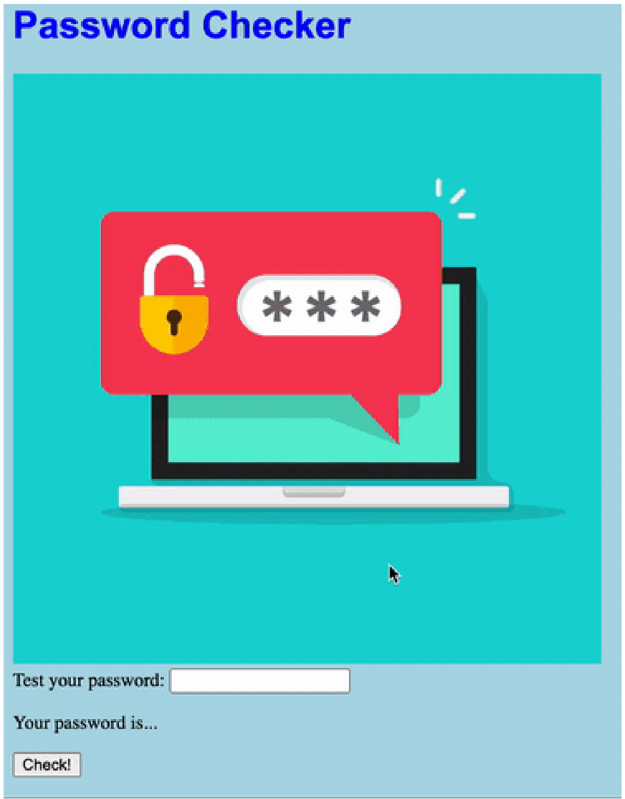
Password Checker Project

Goal: Create a webpage where someone can type in a potential password and see if it's a strong or weak password.



Password Checker

Test your password:

Your password is...

Requirements

- User must be able to type in potential password
- Check that your password has…
  - 1 number
  - 1 letter
  - 1 symbol (!@#$%^&*(
  - At least 8 characters
  - Isn't a common password like "password" or 123456789
- Your program must be able to "score" the strength of the password from weak, medium, strong.
- Your web page must be aesthetically pleasing. If you're not sure, ask friends, ask teachers, ask family. "Does this look nice?"
- Must answer reflection questions within the javascript code as comments

1. Describe the purpose, function, and input and output of your program.
2. How did you use abstraction in you code?
3. How did you manage complexity by using arrays & loops? (I.e. how did you avoid using making your code repetitive and complicated by using arrays and loops?)

- Extra credit opportunities (1 point each)
  - Create another feature that will generate a strong password for the user.
  - Check for bad passwords such as things that involve dates or common names.
  - Create a visual feedback where a person can see what their password strength is as they type it.
- Character == "1"
- IsCharAt
  https://www.w3schools.com/jsref/jsref_charat.asp

Rubric: Each is graded on a scale from 3 to 0 where 3 represents mastery and 0 represents missing or shows little to no understanding.

1. ________ user is able to type in their password
2. ________ Password is stored as a variable that is accessible by other functions
3. ________ program correctly processes password, making sure to check each character
4. ________ function correctly updates password strength
5. ________ password score is displayed on screen
6. ________ code runs without errors
7. ________ code is commented thoroughly
8. ________ webpage is aesthetically pleasing
9. ________ Question 1 answered
10. ________ Question 2 answered
11. ________ Question 3 answered
12. ________ any extra credit?

Total: ________ /33 total points

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13. ________ user is able to type in their password
14. ________ Password is stored as a variable that is accessible by other functions
15. ________ program correctly processes password, making sure to check each character
16. ________ function correctly updates password strength
17. ________ password score is displayed on screen
18. ________ code runs without errors
19. ________ code is commented thoroughly
20. ________ webpage is aesthetically pleasing
21. ________ Question 1 answered
22. ________ Question 2 answered
23. ________ Question 3 answered
24. ________ any extra credit?

Total: ________ /33 total points