Egen Solutions

Code Challenge – Front End - Angular

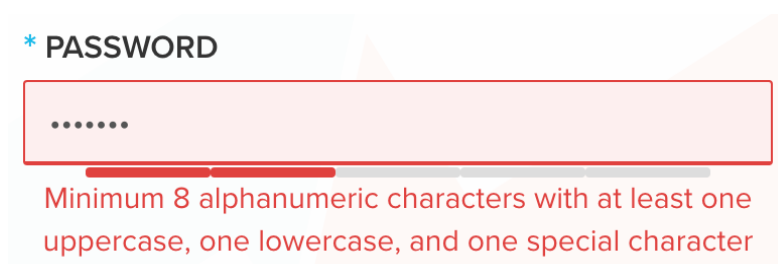Version 1.1.2
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Overview:

The objective of this challenge to assess a candidate's proficiency in Front End technologies (Angular specially) and development process.

    a. Please complete the challenge as best of your experience and skills.

    b. Follow the instructions. Solution should meet all challenge requirements.

    c. Feel free to elaborate in your own way and get creative.

    d. Code with keeping readability, performance, testability, and best practices in the mind.

    e. Bonus points for thoughtful consideration of the edge cases and self- identifying your usage of design patterns and progressive Web standards.

    f. Follow **SOLID** https://en.wikipedia.org/wiki/SOLID_(object-oriented_design) principle of object oriented programming and design.

PasswordMeter Component

Requirements:

    a. Develop an Angular component (directive or filter) **passwordMeter** that can show the strength of the password below a password input field as show in the image.

* PASSWORD

Minimum 8 alphanumeric characters with at least one uppercase, one lowercase, and one special character

b. The input remains **$invalid** until it passes following 5 requirements:

    i.   Minimum 8 characters

    ii.   Alphanumeric characters

    iii.   One Uppercase character

    iv.   One Lowercase character

    v.   One Special character

c. The meter should change the color of the meter as following:

    i.   lowest:

    ii.   low:

    iii.   medium:

    iv.   high:

    v.   highest:

d. Show proper error message as long as the input remains **$invalid.**

e. User must not be able to submit the form until a password of required strength is entered.

f. Write unit test cases for the component.

g. The component should be bower-able via the github.com repo link.

Submission:

a. Create a new repo **egen-fe-challenge** on your github.com account and commit all your code to it. Make sure all IDE and OS related files are in **.gitignore.**

b. Once completed, send the link of the repo to the recruiter.