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Regular Expression for password validation

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can any one help me in creating a regular expression for password validation.

The Condition is "Password must contain 8 characters and at least one number, one letter and one unique character such as !#\$%&? "



javascript regex

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edited Mar 3 '10 at 11:56 Alan Moore 36.4k • 3 • 35 • 66

asked Mar 3 '10 at 9:29

Jasim

1.757 • 10 • 37 • 63

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 $^.*(?=.\{8,\})(?=.*[a-zA-Z])(?=.*d)(?=.*[!#$%&?"]).*$$

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: Start $(?=.{8,})$: Length (?=.*[a-zA-Z]): Letters $(?=.*\d)$: Digits

(?=.*[!#\$%&? "]) : Special characters

: End

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answered Mar 3 '10 at 9:35



Macmade 23.9k • 6 • 47 • 71

+1 for explanation - tested with a few examples and works at regular-expressions.info/javascriptexample.html

- amelvin Mar 3 '10 at 9:44

i tired with 'acf23!&7h' and its not validating it - Jasim Mar 3 '10 at 9:56

Don't forget to escape necessary characters... - Macmade Mar 3 '10 at 9:57

i didn't got that?? could you be more specific?? - Jasim Mar 3 '10 at 10:03 🎤

You don't need to put .* at the beginning and end of the match. It's pointless, and will cause significantly worse run times (especially in the case of invalid matches). - Tom Lord Aug 12 '13 at 8:48

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You can achieve each of the individual requirements easily enough (e.g. minimum 8 characters: . . {8, } will match 8 or more characters).



To combine them you can use "positive lookahead" to apply multiple sub-expressions to the same content. Something like (?=.*\d.*). {8,} to match one (or more) digits with lookahead, and 8 or more characters.

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So:

```
(?=.*\d.*)(?=.*[a-zA-Z].*)(?=.*[!\#\$%&\?].*).{8,}
```

Remembering to escape meta-characters.

share | improve this answer

answered Mar 3 '10 at 9:35 Richard



You have a few pointless ".*"s in there. You could just use: (?=.*\d)(?=.*[a-zA-Z])(?=.*[!#\\$%&\?]).{8,} -Tom Lord Aug 12 '13 at 8:51

@TomLord I would want to test that... but you may well be right (reason: of course each positive lookahead only needs to confirm as far as one instance of each type of character). - Richard Aug 19 '13 at 5:11

Yes, and the main reason I pointed this out is that if your regex does NOT match then it may be made vastly more inefficient to determine this if you include unnecessary ".*"s in there! - Tom Lord Aug 23 '13 at 9:22

add comment



Try this



$$((?=.*\d)(?=.*[a-z])(?=.*[A-z])(?=.*[\W]).{6,20})$$

Description of above Regular Expression:

```
# Start of group
(?=.*\d)
                 must contains one digit from 0-9
                     must contains one lowercase characters
(?=.*[a-z])
(?=.*[\W])
                    must contains at least one special character
                    match anything with previous condition checking
             {8,20} #
                              length at least 8 characters and maximum of 20
         # End of group
```

"/W" will increase the range of characters that can be used for password and pit can be more safe.

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answered Aug 12 '13 at 7:20



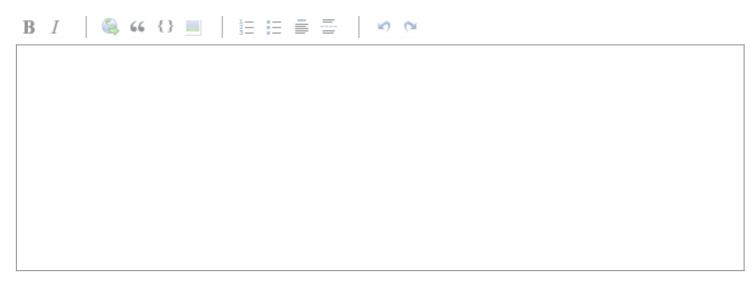
Rohit Dubey

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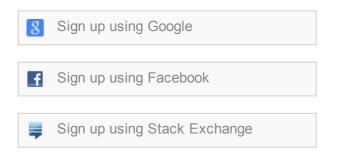
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