

Design Recipe: strong-password

Some websites have strict password requirements. Write the function *strong-password*, which takes in a username and password, and checks to make sure they aren't the same, then checks the string-length of the password to make sure it is greater than 8 characters. The function should return a message to the user letting them know if their password is strong enough.

Contract+Purpose Statement

Every contract has three parts:

strong-password : String, String -> String

name Consumes a username, Domain checks whether they are the same, Range
then checks whether the string-length of the password is greater than 8

What does the function do?

Give Examples

Write examples of your function in action

examples:

username *strong-password* (Domain "Coolguy90", password "Coolguy90") is
message "Your username cannot be the same as your password!"

username *strong-password* (Domain "greatname", password "abc") is
message "Your password is too short! Must be at least 8 characters."

username *strong-password* (Domain "Katie", password "BootstrapPro78") is
message "Your password is strong enough! Account created."

end

Function

Circle the changes in the examples, and name the variables.

```
fun  _____strong-password_____ ( _____username, password_____ ) :  
  if  _____string-equal(username, password)_____ :  
    _____“Your username cannot be the same as your password!”  
  else if  _____string-length(password) < 8_____ :  
    _____“Your password is too short! Must be at least 8 characters.”  
  else:  _____“Your password is strong enough! Account created.”  
end
```