Problem: In register the password accepts anything. I implement a PASSWORD VALIDATION for the problem.

```php
1    <?php
2    /*
3      For Password Validation
4        - must be 8 Character in length
5        - must contain one lowercase and uppercase
6        - must contain one number
7
8
9    */
10
11   function password_validation($password) {
12       // Checks the legnth if password is less than 8
13       if(strlen($password) < 8){
14           return 'password must be atleast 8 characters long';
15       }
16       // Checks if the password contains atleast one lowercase
17       if(!preg_match('/[a-z]/', $password)){
18           return 'password must contain atleast one lowercase and uppercase' ;
19       }
20       // Checks if the password contains atleast one uppercase
21       if(!preg_match('/[A-Z]/', $password)){
22           return 'password must contain atleast one lowecase and uppercase';
23       }
24
25       if(!preg_match('/[0-9]/', $password)){
26           return 'password must contain at least one number';
27       }
28
29       return true;
30   }
31
32   ?>
```

And I include it to the register.php

```php
1    <?php
2    session_start();
3    include 'config.php';
4    include 'navbar.php';
5    include 'passwordValidation.php';
6
7    if ($_SERVER["REQUEST_METHOD"] == "POST") {
8        $username = trim($_POST['username']);
9        $email = trim($_POST['email']);
10       $password = trim($_POST['password']);
11       $confirm_password = trim($_POST['confirm_password']);
12       $validation_result = password_validation($password);
13       $role = trim($_POST['role']);
14
15       if (!in_array($role, ['admin', 'user'])) {
16           $error = "Invalid role selection!";
17       } elseif ($password !== $confirm_password) {
18           $error = "Passwords do not match!";
19       } elseif($validation_result !== true) {
20           $error = $validation_result;
21       }else {
```

By doing this the register won't accept the password if it is not 8 character length, doesn't have a one UPPERCASE and one LOWERCASE letter and one number.

Create an Account

password must contain at least one number

Username

Enter your username

Email Address

Enter your email

Password

Enter your password

Confirm Password

Confirm your password

Select Role

-- Select Role --

Register

Already have an account? Login here

Create an Account

password must contain atleast one lowecase and uppercase

Username

Enter your username

Email Address

Enter your email

Password

Enter your password

Password must be 8+ characters, include an uppercase letter, a number, and a special character.

Confirm Password

Confirm your password

Select Role

-- Select Role --

Register

Already have an account? **Login here**

Create an Account

password must be atleast 8 characters long

Username

Enter your username

Email Address

Enter your email

Password

Enter your password

Password must be 8+ characters, include an
uppercase letter, a number, and a special character.

Confirm Password

Confirm your password

Select Role

-- Select Role --

Register

Already have an account? **Login here**