

password-check\src\PasswordStrengthChecker.js

```
1 import React, { useState } from 'react';
2 import './PasswordStrength.css'; // Import CSS for styling
3
4 const PasswordStrengthChecker = () => {
5   const [password, setPassword] = useState('');
6   const [strength, setStrength] = useState('');
7
8   const checkPasswordStrength = (pwd) => {
9     let strengthLevel = 0;
10
11     if (pwd.length >= 8) strengthLevel += 1;
12     if (/[A-Z]/.test(pwd)) strengthLevel += 1;
13     if (/[a-z]/.test(pwd)) strengthLevel += 1;
14     if (/[\d-9]/.test(pwd)) strengthLevel += 1;
15     if (/^[A-Za-z\d-9]/.test(pwd)) strengthLevel += 1;
16
17     switch (strengthLevel) {
18       case 0:
19         setStrength('');
20         break;
21       case 1:
22         setStrength('Very Weak');
23         break;
24       case 2:
25         setStrength('Weak');
26         break;
27       case 3:
28         setStrength('Moderate');
29         break;
30       case 4:
31         setStrength('Strong');
32         break;
33       case 5:
34         setStrength('Very Strong');
35         break;
36       default:
37         setStrength('');
38     }
39   };
40
41   const handlePasswordChange = (e) => {
42     const newPassword = e.target.value;
43     setPassword(newPassword);
44     checkPasswordStrength(newPassword);
45   };
46
47   return (
48     <div className="password-checker-container">
49       <h1>Password Strength Checker</h1>
50       <input
51         type="password"
52         placeholder="Enter password"
53         value={password}
54         onChange={handlePasswordChange}
55         className="password-input"
56       />
57       <div className={`strength-indicator ${strength.toLowerCase()}`>
58         {strength} && <p>Password Strength: {strength}</p>
59       </div>
60     </div>
61   );
62 };
63
64 export default PasswordStrengthChecker;
```