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Lab Assignment 1

Password Validation

Code:

```
<html>
<head>
  <meta charset="utf-8" http-equiv="encoding" />
  <meta http-equiv="X-UA-Compatible" content="IE=edge" />
  <title>Password Validation</title>
  <meta name="viewport" content="width=device-width,initial-scale=1" />

  <script
    src="https://code.jquery.com/jquery-3.4.1.slim.min.js"

integrity="sha384-J6qa4849bIE2+poT4WnyKhv5vZF5SrPo0iEjwBvKU7imGFAV0wwj
1yYfoRSJoZ+n"
    crossorigin="anonymous"
  ></script>
  <script
    src="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/js/bootstrap.min.js"

integrity="sha384-wfSDF2E50Y2D1uUdj0O3uMBJnjuUD4Ih7YwaYd1iqfktj0Uod8GC
Exl3Og8ifwB6"
    crossorigin="anonymous"
  ></script>
  <link

href="https://cdnjs.cloudflare.com/ajax/libs/twitter-bootstrap/4.0.0/css/bootstrap.css"
    rel="stylesheet"
  />
  <link

href="https://cdnjs.cloudflare.com/ajax/libs/datatables/1.10.16/css/dataTables.bootstrap4.css"
    rel="stylesheet"
  />

  <style>
    @import
url(https://cdnjs.cloudflare.com/ajax/libs/normalize/8.0.1/normalize.min.css);
```

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    @import
url(https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.15.3/css/all.min.css);
</style>

</head>
<body style="background-color:black;">
  <div class="global-container">
    <div class="card login-form">
      <div class="card-body">
        <h3 class="card-title text-center">Password Validation</h3>
        <div class="card-text">
          <!--
            <div class="alert alert-danger alert-dismissible fade show"
role="alert">Incorrect username or password.</div> -->
          <form method="post">
            <!-- to error: add class "has-danger" -->
            <div class="form-group">
              <label for="email">Email address</label>
              <input
name="email"
                type="email" class="form-control form-control-sm" id="email"
                aria-describedby="emailHelp" required
              />
            </div>
            <div class="form-group">
              <label for="password">Password</label>

              <!-- Type is not password, so that can show password for
verification-->
              <input class="form-control form-control-sm" id="password"
name="password"
                oninput="verifyPassword();" onfocus="checklistVisible();"
required/>

              <ul id="checklist" style="display: none;" class="list-unstyled">
                <li id="8-characters">Atleast 8 Character</li>
                <li id="low-upper-case">1 lowercase & 1 uppercase</li>
                <li id="one-number">1 number (0-9)</li>
                <li id="one-special-char">1 Special Character.</li>
              </ul>
            </div>
            <button type="submit" class="btn btn-primary btn-block" value="">
              Sign up

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</button>

<script>
function checklistVisible(){
    document.getElementById("checklist").style.display = "block";
}

function verifyPassword() {
    var password = document.getElementById("password").value;

    // Minimum password length 8
    if (password.length < 8)
        document.getElementById("8-characters").style.color = "red";
    else
        document.getElementById("8-characters").style.color = "green";

    // One Lower-case and one Upper-case character
    if (password.match(/[a-z]/g) && password.match(/[A-Z]/g))
        document.getElementById("low-upper-case").style.color =
"green";
    else
        document.getElementById("low-upper-case").style.color = "red";

    // One number at least
    if (password.match(/[0-9]/g))
        document.getElementById("one-number").style.color = "green";
    else
        document.getElementById("one-number").style.color = "red";

    // One special character
    if (password.match(/[!@#$%^&* _+=. ?]/g))
        document.getElementById("one-special-char").style.color =
"green";
    else
        document.getElementById("one-special-char").style.color =
"red";
    }
</script>
</form>
</div>
</div>
</div>

```

```
</div>
</body>
</html>
```

Output:

