

I inspected the code of the page, pressing “CTRL+U” and I saw a file named “login.php” and I entered :

```
1 <!DOCTYPE html>
2 <html lang="en">
3   <head>
4     <meta charset="UTF-8">
5     <meta name="viewport" content="width=device-width, initial-scale=1.0">
6     <meta http-equiv="X-UA-Compatible" content="ie=edge">
7     <link rel="stylesheet" href="style.css">
8     <title>Secure Customer Portal</title>
9   </head>
10  <body>
11
12    <h1>Secure Customer Portal</h1>
13
14    <p>Only letters and numbers allowed for username and password.</p>
15
16    X<form role="form" action="login.php" method="post">
17      <input type="text" name="username" placeholder="Username" required
18        autofocus></br>
19      <input type="password" name="password" placeholder="Password" required>
20      <button type="submit" name="login">Login</button>
21    </form>
22  </body>
23 </html>
24
```

Here we can see a JavaScript function that checks the credentials, encrypting the password :

```
usernameFilterPassed = filter(window.username);
passwordFilterPassed = filter(window.password);

if ( usernameFilterPassed && passwordFilterPassed ) {

  loggedIn = checkPassword(window.username, window.password);

  if(loggedIn)
  {
    document.getElementById('msg').innerHTML = "Log In Successful";
    document.getElementById('adminFormHash').value = "2196812e91c29df34f5e217cfd639881";
    document.getElementById('hiddenAdminForm').submit();
  }
  else
  {
    document.getElementById('msg').innerHTML = "Log In Failed";
  }
}
else {
  document.getElementById('msg').innerHTML = "Illegal character in username or password."
}
```

Also we can see “admin.php”. I tried to enter the page but I got “Access Unauthorized”. Then I found “[secure.js](#)”, the file that contains the function. If we enter the page we can see the username and password (admin, strongPassword098765). Now we just log in and we get the flag

THE FLAG : picoCTF{j5_15_7r4n5p4r3n7_b0c2c9cb}
~Z4que