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PROJECT=ATTENTICATION SYSTEM

SUBJECT=INFORMATION SECURITY

CODE::

HTML:

```html
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       <title>User Login - OTP Authentication</title>
7       <link rel="stylesheet" href="project.css">
8   </head>
9   <body>
10      <div class="login-container">
11          <h2>User Login</h2>
12          <div id="login-form">
13              <label for="user-input">Enter Email or Phone Number:</label>
14              <input type="text" id="user-input" placeholder="Email or Phone Number" required>
15              <button onclick="sendOtp()">Send OTP</button>
16          </div>
17
18          <div id="otp-form" style="display:none;">
19              <label for="otp">Enter OTP:</label>
20              <input type="text" id="otp" placeholder="Enter OTP" required>
21              <button onclick="verifyOtp()">Verify OTP</button>
22          </div>
23
24          <div id="status" style="display:none;"></div>
25      </div>
26
27      <script src="projectin.js"></script>
28  </body>
29  </html>
30
```

CSS::

```css
# project.css > ...
1    * {
2        margin: 0;
3        padding: 0;
4        box-sizing: border-box;
5    }
6
7    body {
8        font-family: Arial, sans-serif;
9        background-color: #f4f4f4;
10        display: flex;
11        justify-content: center;
12        align-items: center;
13        height: 100vh;
14    }
15
16    .login-container {
17        background-color: #fff;
18        padding: 30px;
19        border-radius: 8px;
20        box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);
21        width: 300px;
22        text-align: center;
23    }
24
25    h2 {
26        margin-bottom: 20px;
27    }
28
29    input {
30        width: 100%;
31        padding: 10px;
32        margin-bottom: 15px;
```

Ln 55, Col 1   Spaces: 4   UTF-8   CRLF   CSS   Go

JAVASCRIFT::

```javascript
projectin.js > ...
let generatedOtp = null;
let userInput = null;

// Function to send OTP (simulated)
function sendOtp() {
    userInput = document.getElementById("user-input").value;
    if (!userInput) {
        alert("Please enter your email or phone number.");
        return;
    }

    // Generate a random 6-digit OTP
    generatedOtp = Math.floor(100000 + Math.random() * 900000);
    console.log("Generated OTP:", generatedOtp);  // For debugging purposes (remove in production)

    // Show OTP form
    document.getElementById("login-form").style.display = "none";
    document.getElementById("otp-form").style.display = "block";
    document.getElementById("status").style.display = "none";

    // Simulate sending OTP (in a real-world scenario, you'd send it via email or SMS)
    alert(`OTP sent to ${userInput}: ${generatedOtp}`);
}

// Function to verify OTP
function verifyOtp() {
    const enteredOtp = document.getElementById("otp").value;

    if (!enteredOtp) {
        alert("Please enter the OTP.");
        return;
    }
}
```

OUTPUT:

This page says

OTP sent to umairkhanuk0345@gmail.com: 602976

OK

User Login

Enter OTP:

602976

Verify OTP

OTP Verified Successfully!