password strength checker  
  
HTML

<!DOCTYPE html>

<html lang="en">

<head>

    <meta name="viewport" content="width=device-width, initial-scale=1.0" />

    <link rel="stylesheet" href="style.css" />

</head>

<body>

    <div class="group">

        <h1 id="top">Gs</h1>

        <h1>Password Strength Checker</h1>

        <label for="">Password</label>

        <input type="text" id="password" placeholder="Type your password here" />

        <label for="">

            Strength of password

        </label>

        <div class="power-container">

            <div id="power-point"></div>

        </div>

        <div id="strength-text">Strength: </div> <!-- New element for displaying strength text -->

    </div>

    <script src="script.js"></script>

</body>

</html>

JS

let password = document.getElementById("password");

let power = document.getElementById("power-point");

let strengthText = document.getElementById("strength-text"); // New variable for strength text element

password.oninput = function () {

    let point = 0;

    let value = password.value;

    let widthPower =

        ["1%", "25%", "50%", "75%", "100%"];

    let colorPower =

        ["#D73F40", "#DC6551", "#F2B84F", "#BDE952", "#3ba62f"];

    let strengthLevels = ['Very Weak', 'Weak', 'Moderate', 'Strong', 'Very Strong']; // New array for strength levels

    if (value.length >= 6) {

        let arrayTest =

            [/[0-9]/, /[a-z]/, /[A-Z]/, /[^0-9a-zA-Z]/];

        arrayTest.forEach((item) => {

            if (item.test(value)) {

                point += 1;

            }

        });

    }

    let strengthLevel = point < strengthLevels.length ? strengthLevels[point] : strengthLevels[strengthLevels.length - 1]; // Determine strength level text

    strengthText.textContent = "Strength: " + strengthLevel; // Update strength text

    power.style.width = widthPower[point];

    power.style.backgroundColor = colorPower[point];

}

Style.css

Style.css  
/\* style.css \*/

body {

    margin: 0;

    font-family: monospace;

    min-height: 100vh;

    display: flex;

    justify-content: center;

    align-items: center;

    background-image: linear-gradient(to top right,

            #8a4d4de3, #e6c611ef);

    color: #29e7e7;

    font-size: 20px;

}

#top {

    color: rgb(0, 128, 117);

}

.group {

    width: auto;

    text-align: center;

}

.group label {

    display: block;

    padding: 20px 0;

}

.group input {

    border: none;

    outline: none;

    padding: 20px;

    width: calc(100% - 40px);

    border-radius: 10px;

    background-color: #eaeff2;

    color: #0f71e0bd;

    font-size: 20px;

}

.group .power-container {

    background-color: #c70b34d0;

    width: 100%;

    height: 15px;

    border-radius: 5px;

}

.group .power-container #power-point {

    background-color: #cce20688;

    width: 1%;

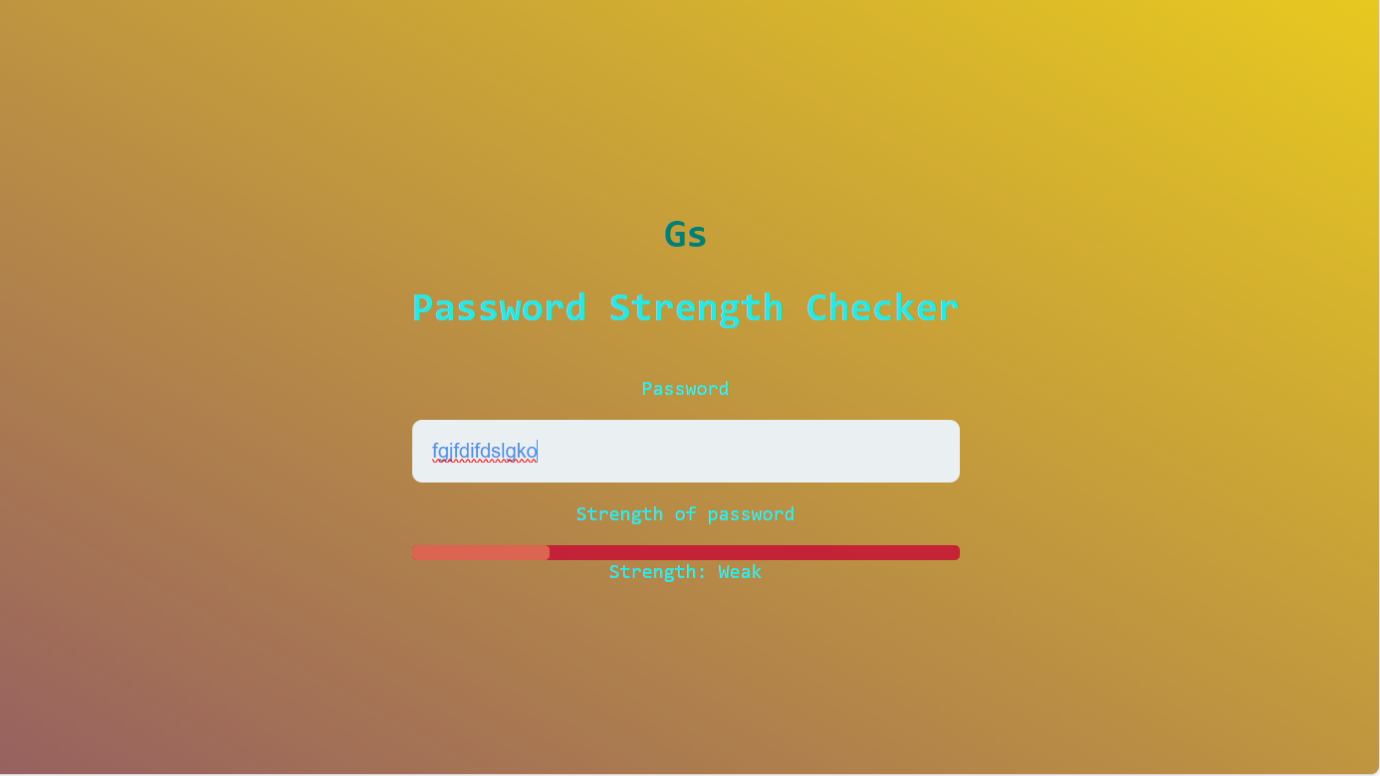
    height: 100%;

    border-radius: 5px;

    transition: 0.5s;

}

Screenshot of the output:



The cybersecurity tool and technologies used in password strength checker : The Weak Password Test (WPT)

The password strength checker tool you're referring to is implemented using a combination of HTML, CSS, and JavaScript. Specifically, JavaScript is used to handle the input events from the password field and dynamically update the visual representation of the password strength (the colored bar).

It is a culmination of all the three technologies those are jss(java script language ) , Html( Hypertext markup language) and css

So, there isn't a specific "tool" used for password strength checking in this case, but rather a custom implementation using web technologies.

**\*Use visual studio code software and download a software called as live server and live preview to get the desired output as shown above in the screenshot .**