```html
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Cyber Password Strength Checker</title>

<style>
/* ===== GLOBAL ===== */
body {
    margin: 0;
    font-family: "Segoe UI", sans-serif;
    background: radial-gradient(circle at top, #020024, #000);
    color: #e0e0e0;
}

/* ===== HEADER ===== */
header {
    padding: 40px 20px;
    text-align: center;
    background: linear-gradient(90deg, #00f2ff, #00ff88);
    color: #000;
}

header h1 {
    margin: 0;
    font-size: 2.5rem;
}

header p {
    font-size: 1.1rem;
    max-width: 700px;
    margin: auto;
}

/* ===== CONTAINER ===== */
.container {
    max-width: 900px;
    margin: auto;
    padding: 40px 20px;
}

/* ===== PASSWORD BOX ===== */
.password-box {
    background: rgba(255,255,255,0.05);
    border-radius: 15px;
    padding: 30px;
    box-shadow: 0 0 30px rgba(0,255,255,0.1);
```

```css
}

.password-box h2 {
    text-align: center;
    margin-bottom: 20px;
    color: #00f2ff;
}

/* ===== INPUT ===== */
input[type="password"] {
    width: 100%;
    padding: 15px;
    font-size: 1.1rem;
    border-radius: 8px;
    border: none;
    outline: none;
    margin-bottom: 15px;
}

/* ===== STRENGTH BAR ===== */
.strength-bar {
    height: 12px;
    background: #333;
    border-radius: 10px;
    overflow: hidden;
}

.strength-fill {
    height: 100%;
    width: 0%;
    transition: width 0.4s;
}

/* ===== TEXT ===== */
.strength-text {
    margin-top: 10px;
    font-weight: bold;
    text-align: center;
}

/* ===== RULES ===== */
.rules {
    margin-top: 25px;
}

.rules li {
    list-style: none;
    margin: 8px 0;
```

```css
      padding-left: 25px;
      position: relative;
    }

    .rules li::before {
      content: "✖";
      position: absolute;
      left: 0;
      color: red;
    }

    .rules li.valid::before {
      content: "✔";
      color: #00ff88;
    }

    /* ===== INFO ===== */
    .info {
      margin-top: 40px;
      background: rgba(0,255,255,0.08);
      padding: 25px;
      border-radius: 12px;
    }

    .info h3 {
      color: #00ffcc;
    }

    /* ===== FOOTER ===== */
    footer {
      text-align: center;
      padding: 15px;
      font-size: 0.9rem;
      background: #000;
      color: #888;
    }
</style>
</head>

<body>

<header>
    <h1>🔐 Cyber Password Strength Checker</h1>
    <p>Analyze password strength using cyber-security rules and understand how hackers
crack weak passwords.</p>
</header>

<div class="container">
```

```html
<div class="password-box">
    <h2>Check Your Password</h2>

    <input type="password" id="password" placeholder="Enter your password..."
oninput="checkPassword()">

    <div class="strength-bar">
        <div class="strength-fill" id="strengthFill"></div>
    </div>

    <div class="strength-text" id="strengthText">Strength: None</div>

    <ul class="rules">
        <li id="length">At least 8 characters</li>
        <li id="upper">Contains uppercase letter</li>
        <li id="lower">Contains lowercase letter</li>
        <li id="number">Contains number</li>
        <li id="special">Contains special character</li>
    </ul>
</div>

<div class="info">
    <h3>🔍 Why Password Strength Matters?</h3>
    <p>
        Weak passwords are the main cause of cyber attacks such as brute force, credential
stuffing,
        phishing, and ransomware attacks.
    </p>

    <h3>💻 How Hackers Crack Passwords?</h3>
    <ul>
        <li>Brute Force Attack – tries all combinations</li>
        <li>Dictionary Attack – uses common words</li>
        <li>Phishing – tricks users into revealing passwords</li>
        <li>Malware & Keyloggers</li>
    </ul>

    <h3>🛡️ Best Practices</h3>
    <ul>
        <li>Use long & complex passwords</li>
        <li>Never reuse passwords</li>
        <li>Enable Two-Factor Authentication (2FA)</li>
        <li>Use password managers</li>
    </ul>
</div>

</div>
```

```html
<footer>
    Cyber Security Project | Password Strength Analyzer
</footer>

<script>
function checkPassword() {
    const pwd = document.getElementById("password").value;
    const fill = document.getElementById("strengthFill");
    const text = document.getElementById("strengthText");

    let score = 0;

    // Rules
    const length = pwd.length >= 8;
    const upper = /[A-Z]/.test(pwd);
    const lower = /[a-z]/.test(pwd);
    const number = /[0-9]/.test(pwd);
    const special = /[^A-Za-z0-9]/.test(pwd);

    updateRule("length", length);
    updateRule("upper", upper);
    updateRule("lower", lower);
    updateRule("number", number);
    updateRule("special", special);

    if (length) score++;
    if (upper) score++;
    if (lower) score++;
    if (number) score++;
    if (special) score++;

    const percent = (score / 5) * 100;
    fill.style.width = percent + "%";

    if (score <= 1) {
        fill.style.background = "red";
        text.textContent = "Strength: Very Weak";
    } else if (score <= 2) {
        fill.style.background = "orange";
        text.textContent = "Strength: Weak";
    } else if (score === 3) {
        fill.style.background = "yellow";
        text.textContent = "Strength: Medium";
    } else if (score === 4) {
        fill.style.background = "#00f2ff";
        text.textContent = "Strength: Strong";
    } else {
```

```
        fill.style.background = "#00ff88";
        text.textContent = "Strength: Very Strong";
      }
    }

    function updateRule(id, valid) {
      const rule = document.getElementById(id);
      if (valid) rule.classList.add("valid");
      else rule.classList.remove("valid");
    }
</script>

</body>
</html>
```