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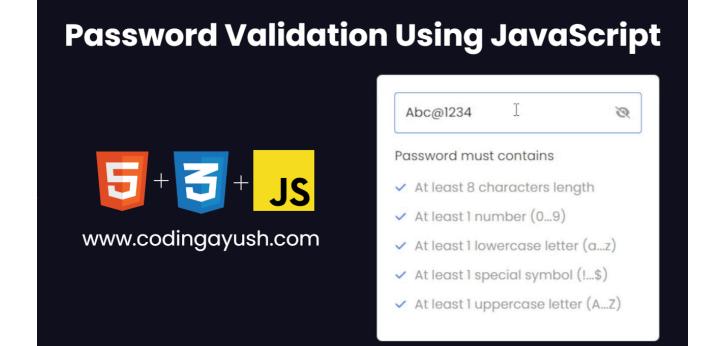Home › CSS

Password Validation Using HTML CSS JavaScript with free source code

by **Pathak Aayush** - May 22, 2023   💬 0

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HTML

```html
<!DOCTYPE html>
<html lang="en" dir="ltr">

<head>
  <meta charset="utf-8">
  <title>Password Validation Check | CodingAyush</title>
  <link rel="stylesheet" href="style.css">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <!-- Fontawesome Link for Icons -->
  <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/6.3.0/css/all.min.css">
  <script src="script.js" defer></script>
</head>

<body>
  <div class="wrapper">
    <div class="pass-field">
      <input type="password" placeholder="Enter password">
      <i class="fa-solid fa-eye"></i>
    </div>
    <div class="content">
      <p>Password must contains</p>
      <ul class="requirement-list">
        <li>
          <i class="fa-solid fa-circle"></i>
          <span>At least 8 characters length</span>
        </li>
        <li>
          <i class="fa-solid fa-circle"></i>
          <span>At least 1 number (0...9)</span>
        </li>
        <li>
```

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```html
      <i class="fa-solid fa-circle"></i>
      <span>At least 1 lowercase letter (a...z)</span>
    </li>
    <li>
      <i class="fa-solid fa-circle"></i>
      <span>At least 1 special symbol (!...$)</span>
    </li>
    <li>
      <i class="fa-solid fa-circle"></i>
      <span>At least 1 uppercase letter (A...Z)</span>
    </li>
    </ul>
    </div>
  </div>

</body>

</html>
```

CSS

```css
/* Import Google font - Poppins */
@import url('https://fonts.googleapis.com/css2?
family=Poppins:wght@400;500;600&display=swap');
* {
  margin: 0;
  padding: 0;
  box-sizing: border-box;
  font-family: "Poppins", sans-serif;
}
body {
  display: flex;
  align-items: center;
  justify-content: center;
  min-height: 100vh;
```

```css
    background: #11131e;
  }
  .wrapper {
    width: 450px;
    overflow: hidden;
    padding: 28px;
    border-radius: 8px;
    background: #fff;
    box-shadow: 0 10px 25px rgba(0,0,0,0.06);
  }
  .wrapper .pass-field {
    height: 65px;
    width: 100%;
    position: relative;
  }
  .pass-field input {
    width: 100%;
    height: 100%;
    outline: none;
    padding: 0 17px;
    font-size: 1.3rem;
    border-radius: 5px;
    border: 1px solid #999;
  }
  .pass-field input:focus {
    padding: 0 16px;
    border: 2px solid #4285F4;
  }
  .pass-field i {
    right: 18px;
    top: 50%;
    font-size: 1.2rem;
    color: #999;
    cursor: pointer;
    position: absolute;
    transform: translateY(-50%);
  }
  .wrapper .content {
    margin: 20px 0 10px;
  }
  .content p {
```

```css
    color: #333;
    font-size: 1.3rem;
  }
  .content .requirement-list {
    margin-top: 20px;
  }
  .requirement-list li {
    font-size: 1.3rem;
    list-style: none;
    display: flex;
    align-items: center;
    margin-bottom: 15px;
  }
  .requirement-list li i {
    width: 20px;
    color: #aaa;
    font-size: 0.6rem;
  }
  .requirement-list li.valid i {
    font-size: 1.2rem;
    color: #4285F4;
  }
  .requirement-list li span {
    margin-left: 12px;
    color: #333;
  }
  .requirement-list li.valid span {
    color: #999;
  }

  @media screen and (max-width: 500px) {
    body, .wrapper {
      padding: 15px;
    }
    .wrapper .pass-field {
      height: 55px;
    }
    .pass-field input, .content p  {
      font-size: 1.15rem;
    }
    .pass-field i, .requirement-list li {
```

```
    font-size: 1.1rem;
  }
  .requirement-list li span {
    margin-left: 7px;
  }
}
```

JS

```javascript
const passwordInput = document.querySelector(".pass-field input");
const eyeIcon = document.querySelector(".pass-field i");
const requirementList = document.querySelectorAll(".requirement-list li");

// An array of password requirements with corresponding
// regular expressions and index of the requirement list item
const requirements = [
    { regex: /.{8,}/, index: 0 }, // Minimum of 8 characters
    { regex: /[0-9]/, index: 1 }, // At least one number
    { regex: /[a-z]/, index: 2 }, // At least one lowercase letter
    { regex: /[^A-Za-z0-9]/, index: 3 }, // At least one special character
    { regex: /[A-Z]/, index: 4 }, // At least one uppercase letter
]

passwordInput.addEventListener("keyup", (e) => {
    requirements.forEach(item => {
        // Check if the password matches the requirement regex
        const isValid = item.regex.test(e.target.value);
        const requirementItem = requirementList[item.index];

        // Updating class and icon of requirement item if requirement matched or
not
        if (isValid) {
            requirementItem.classList.add("valid");
            requirementItem.firstElementChild.className = "fa-solid fa-check";
        } else {
```

```
                requirementItem.classList.remove("valid");
                requirementItem.firstElementChild.className = "fa-solid fa-circle";
            }
        });
    });

    eyeIcon.addEventListener("click", () => {
        // Toggle the password input type between "password" and "text"
        passwordInput.type = passwordInput.type === "password" ? "text" : "password";

        // Update the eye icon class based on the password input type
        eyeIcon.className = `fa-solid fa-eye${passwordInput.type === "password" ? ""
: "-slash"}`;
    });
```

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