

# JavaScript DOM Form Project

This project demonstrates how to create a **Form** dynamically using JavaScript DOM only. It includes input validation, event listeners, and real-time user feedback.

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

  <input type="password" id="myInput" placeholder="Enter your password">
  <script>
    const form = document.createElement('form');
    const label = document.createElement('label');
    const input = document.getElementById('myInput');
    const btn = document.createElement('button');
    const p = document.createElement('p');
    input.setAttribute('required', 'true');
    input.style.cssText=`
padding:8px;
border:1px solid black;
max-width:100%;
font-size:18px;
color:red;
margin-top:5px;
`;
    form.style.cssText=`
width:250px;
background-color:grey;
padding:20px;
margin:40px auto;
text-align:center;
border-radius:12px;
box-shadow:2px 2px 3px black;
`;
    label.setAttribute('for', 'Password');
    label.textContent = "Password:";
    label.style.fontSize="18px";

    btn.type="button";
    btn.value="submit";
    btn.textContent = "Submit";
    btn.style.marginTop="5px";
    btn.style.padding="10px 16px";
    btn.style.border="none";
    btn.style.cursor="pointer";
    btn.style.textAlign="center";
    btn.style.fontSize="17px";
    btn.style.backgroundColor="blue";
    btn.style.color="white";
    btn.style.borderRadius="5px";

    input.addEventListener('keydown', (e)=>{
      console.log(`key pressed: ${e.key}`);
    });
    btn.addEventListener('click', ()=>{
      if(input.value.trim()=== ""){
        input.style.border="2px solid red";
        p.textContent = "Please enter your password";
        p.style.color="red";
        p.style.fontSize="18px";
        p.style.fontFamily="Arial";
      }else{
        input.style.border="2px solid green";
        p.textContent="You Submitted Successfully";
        p.style.color="green";
        p.style.fontSize="18px";
        p.style.fontFamily="Arial";
      }
    });
  </script>
</body>
</html>
```

```

        form.appendChild(label)
        form.appendChild(input);
        form.appendChild(btn);
        form.appendChild(p);
        document.body.appendChild(form);
    </script>
</body>
</html>

```

### ■ Expected Browser Output:

A styled grey form box is created in the center of the page with the following features: **Password input field** (required, styled with red text). **Submit button** (blue background, white text, rounded corners). If the user clicks "Submit" without entering a password → the border turns **red** and a red error message is shown. If the user enters a password → the border turns **green** and a success message appears in green. Every key pressed inside the input field is logged in the console.

Before Submit	After Submit (Empty Input)	After Submit (With Input)
[Password Input] [Submit Button]	■ Please enter your password (Red Border)	■ You Submitted Successfully (Green Border)