

Experiment 4

html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8" />
  <title>JavaScript Event Handling Demo</title>
  <link rel="stylesheet" href="style2.css" />
</head>

<body>
  <div class="wrapper">
    <h1>JavaScript Event Handling Demo</h1>

    <!-- 1. Click Event -->
    <section>
      <h2>1. Click Event</h2>
      <button id="btnClick">Press Here</button>
      <p id="clickMsg">Click the button to see the effect</p>
    </section>

    <!-- 2. Mouse Hover Event -->
    <section>
      <h2>2. Mouse Hover Event</h2>
      <div id="mouseBox">Move mouse here</div>
    </section>

    <!-- 3. Keyboard Input Event -->
    <section>
      <h2>3. Keyboard Input Event</h2>
      <input type="text" id="userName" placeholder="Type your name">
      <p id="welcomeMsg"></p>
    </section>

    <!-- 4. Form Submit Event -->
    <section>
      <h2>4. Form Submit Event</h2>
      <form id="dataForm">
        <input type="text" id="dataInput" placeholder="Enter any text" required>
        <button type="submit">Send</button>
      </form>
      <p id="submitMsg"></p>
    </section>
  </div>
```

```
<script src="script2.js"></script>
</body>
</html>
JAVASCRIPT
// 1. CLICK EVENT
const btnClick = document.getElementById("btnClick");
const clickMsg = document.getElementById("clickMsg");

btnClick.addEventListener("click", () => {
  clickMsg.textContent = "You clicked the button successfully!";
  clickMsg.style.color = "darkgreen";
});

// 2. MOUSE EVENTS
const mouseBox = document.getElementById("mouseBox");

mouseBox.addEventListener("mouseenter", () => {
  mouseBox.textContent = "Mouse detected!";
});

mouseBox.addEventListener("mouseleave", () => {
  mouseBox.textContent = "Move mouse here";
});

// 3. INPUT EVENT
const userName = document.getElementById("userName");
const welcomeMsg = document.getElementById("welcomeMsg");

userName.addEventListener("input", () => {
  if (userName.value !== "") {
    welcomeMsg.textContent = `Welcome, ${userName.value}`;
    welcomeMsg.style.color = "purple";
  } else {
    welcomeMsg.textContent = "";
  }
});

// 4. FORM SUBMIT EVENT
const dataForm = document.getElementById("dataForm");
const submitMsg = document.getElementById("submitMsg");

dataForm.addEventListener("submit", function (e) {
  e.preventDefault();
```

```
const value = document.getElementById("dataInput").value;
submitMsg.textContent = "Form submitted with value: " + value;
submitMsg.style.color = "green";
});
```

CSS

```
* {
margin: 0;
padding: 0;
box-sizing: border-box;
}
```

```
body {
background: linear-gradient(135deg, #1e3a8a, #f97316);
font-family: Verdana, sans-serif;
padding: 25px;
}
```

```
.wrapper {
max-width: 750px;
margin: auto;
background: #ffffff;
padding: 35px;
border-radius: 12px;
box-shadow: 0 10px 25px rgba(0,0,0,0.2);
}
```

```
h1 {
text-align: center;
margin-bottom: 35px;
color: #1e3a8a;
}
```

```
h2 {
color: #f97316;
margin-bottom: 10px;
}
```

```
section {
background-color: #f9fafb;
padding: 20px;
margin-bottom: 25px;
border-left: 6px solid #1e3a8a;
border-radius: 6px;
```

```
}
```

```
button {
```

```
    background-color: #1e3a8a;
```

```
    color: white;
```

```
    padding: 10px 22px;
```

```
    border: none;
```

```
    border-radius: 5px;
```

```
    cursor: pointer;
```

```
    transition: 0.3s;
```

```
}
```

```
button:hover {
```

```
    background-color: #f97316;
```

```
}
```

```
input[type="text"] {
```

```
    width: 100%;
```

```
    padding: 10px;
```

```
    border: 2px solid #ccc;
```

```
    border-radius: 5px;
```

```
    margin-top: 8px;
```

```
}
```

```
p {
```

```
    margin-top: 12px;
```

```
    font-size: 15px;
```

```
}
```

```
#mouseBox {
```

```
    height: 90px;
```

```
    border: 2px dashed #1e3a8a;
```

```
    display: flex;
```

```
    align-items: center;
```

```
    justify-content: center;
```

```
    font-size: 17px;
```

```
    cursor: pointer;
```

```
    transition: 0.3s;
```

```
}
```

```
#mouseBox:hover {
```

```
    background-color: #1e3a8a;
```

```
    color: white;
```

```
}
```

JavaScript Event Handling Demo

1. Click Event

Press Here

Click the button to see the effect

2. Mouse Hover Event

Move mouse here

3. Keyboard Input Event

Type your name

4. Form Submit Event

Enter any text

Send