

# JS EVENTS EXAMPLES

## 1. JS\_VISIBILITY

HTML:

```
<html>
  <head>

    <style>
      #mybox{
        border: 2px solid blue;
      }
    </style>
  </head>
  <body>
    <div id="mybox" style="visibility: visible;">
      
    </div>
    <input type="button" value="Hide/Unhide" id="btn"/>

    <script type="text/javascript" src="visibility.js"></script>
  </body>
</html>
```

JS:

```
document.getElementById('btn').onclick=changeVisibility

function changeVisibility(){

  var obj=document.getElementById('mybox');

  if(obj.style.visibility=='visible'){
    obj.style.visibility='hidden';
```

```

    }
    else{
        obj.style.visibility='visible';
    }
}

```

## 2. Email & Password Validation

### HTML

```

<html>
  <head>

  </head>
  <body>
    <form id="myform" action="" method="post">

      Email:<input type="text" id="email"/> <span id="emailerr"></span> <br><br>
      Password:<input type="password" id="password1"/><br><br>
      Retype-
      Password:<input type="password" id="password2"/> <span id="passworderr"></span><br><br>
      <input type="submit" value="Submit"/>

    </form>

    <script type="text/javascript" src="emailvalidation.js"></script>
  </body>
</html>

```

JS:

```
document.getElementById("email").onchange = checkemail;
```

```
document.getElementById("password2").onchange = checkpassword
;
document.getElementById('myform').onsubmit=checkpassword;

function checkemail() {
    var useremail = document.getElementById("email")

    //check whether email is empty or not
    if (useremail.value == "") {
        document.getElementById("emailerr").innerText =
            "Email field cannot be empty"
    } else {
        //check email format(pattern)      abc@gmail.com      (/^\w+
@ \w+ \. \[a-Z]{2,3}$/)
        var pos = useremail.value.search(
            /^ \w+ ([ \. - ]? \w+ ) * @ \w+ ([ \. - ]? \w+ ) * ( \. \w { 2 , 3 } ) + $ /
        )

        if (pos !== 0) {
            //email format is bot valid
            document.getElementById("emailerr").innerText = "Invalid email format"
        } else {
            document.getElementById("emailerr").innerText = "Email validated"
        }
    }
}

function checkpassword() {
    var password1 = document.getElementById("password1").value
    var password2 = document.getElementById("password2").value

    if (password1 == "" || password2 == "") {
        //alert('both fields should not be empty');
    }
}
```

```

document.getElementById("passerr").innerText =
    "password fields cannot be empty";
    return false;
} else {
    //check whether both values are equal or not

    if (password1 == password2) {
        document.getElementById("passerr").innerText = "password validated";

    } else {
        document.getElementById("passerr").innerText = "passwords does not match";
        return false;
    }
}
}

```

### 3. DOM2 EXAMPLE

HTML:

```

<html>
  <head>
    <style>
      .err{
        color:red;
      }
    </style>

  </head>
  <body>
    <center>
      <form action="process.php">
        <label>Name:

```

```

        <input type="text" id="name" name="name"/>
        (format: lastname firstname middle-
initial(uppercase))</label>
        <span id="errname" class="err"> This is a span
element</span>
        <br><br>

        <label>
            Phone number:<input type="text" id="phone"
name="phone"/> (format: 00977-ddd-ddddddd)
        </label>
        <span id="errph" class="err"></span>
        <br><br>
        <input type="submit" id="subButton" value="Sub
mit"/>

    </form>
</center>

    <script type="text/javascript" src="dom2ex1.js"></scr
ipt>
</body>
</html>

```

JS:

```

//get the target nodes
var nameNode=document.getElementById("name");
var phNode=document.getElementById("phone");

//registering event handlers acc. to dom 2 event model

nameNode.addEventListener("change",checkName,false);
phNode.addEventListener("change",checkPhone,false);

```

```
function checkName(event){
    //get the target node
    var name=event.currentTarget;

    //validate the name

    var pos=name.value.search(/^[A-Za-z]+\s[A-Za-z]+(\s[A-Z]+)?$/);

    if(pos !=0 ){

        document.getElementById("errname").innerText="Name format is incorrect";
    }
    else{
        document.getElementById("errname").innerText="Name format is Correct";
    }
}
```

```
function checkPhone(event){
    //get the target node
    var ph=event.currentTarget;

    var pos=ph.value.search(/^00977-\d{3}-\d{7}$/);

    if(pos!=0){
        document.getElementById("errph").innerText="Phone format is incorrect";
    }
    else{
        document.getElementById("errph").innerText="Phone format is correct";
    }
}
```

```
}
```

```
}
```

#### 4. JS\_CHANGE\_COLOR

HTML:

```
<html>
  <head>
    <style>
      #mybox{
        width:400px;
        height: 200px;
        border: 2px solid green;
      }
      #textbox{
        height:100px;
        width:600px;
        margin-top:20px;
      }
    </style>
  </head>
  <body>

    <div id="mybox">
      <h3>Sample Heading</h3>
    </div>

    <div id="textbox">

      <span onmouseover="this.style.fontSize='30px'" on
mouseout="this.style.fontSize='16px'">Font Color:</span>
      <input type="text" id="fontcolor" />
    </div>
  </body>
</html>
```

```

        <input type="button" id="fontbutton" value="Change Font Color" /><br><br>
        Background Color:<input type="text" id="bgcolor"
/>
        <input type="button" id="bgbutton" value="Change background Color" />
    </div>

    <script type="text/javascript" src="color.js"></script>
</body>
</html>

```

JS:

```

document.getElementById('fontbutton').onclick=changeFontColor;
document.getElementById('bgbutton').onclick=changeBgColor;

function changeBgColor(){
    var bgcolor=document.getElementById('bgcolor').value;
    document.getElementById('mybox').style.backgroundColor=bgcolor;
}

function changeFontColor(){
    var textcolor=document.getElementById('fontcolor').value;
    document.getElementById('mybox').style.color=textcolor;
}

```

## 5. BODY & BUTTON EVENTS

6. <html>

7. <head>



```

8.         <script>
9.             function greeting(){
10.                 var name=prompt('Enter name');
11.                 document.write("Welcome ",name);
12.             }
13.
14.             function exitmsg(){
15.                 //things to do when page is closin
16.                 g
17.             }
18.         </script>
19.     </head>
20.     <body onload="greeting()" onunload="exitmsg()">
21.
22.         <h1>My WEBSITE</h1>
23.
24.     </body>
25. </html>

```

```

<html>

<head></head>

<body>
    <div class="buttons">
        <label><input type="radio" name="fruit" value="1" onclick="msg(1)"/>Apple</label>
        <label><input type="radio" name="fruit" value="2" onclick="msg(2)"/>Orange</label>
        <label><input type="radio" name="fruit" value="3" onclick="msg(3)"/>Banana</label>
    </div>

```

```
<script type="text/javascript">
    function msg(choice) {

        switch (choice) {
            case 1:
                alert("You clicked Apple, it is basically
red!");
                break;
            case 2:
                alert("You clicked Orange, it is basicall
y orange!");
                break;
            case 3:
                alert("You clicked Banana, it is basicall
y yellow!");
                break;
        }

    }
</script>
</body>

</html>
```

HTML:

```
<html>

<head>

</head>

<body>
```

```

<div class="buttons">
  <form id="myform">
    <label><input type="radio" id="r1" name="fruit" value="Apple" />Apple</label>
    <label><input type="radio" id="r2" name="fruit" value="Orange" />Orange</label>

    <p id="radiomessage"></p>
  </form>
</div>

<script type="text/javascript" src="radio2.js"></script>
</body>

</html>

```

JS:

```

document.getElementById("r1").onclick = msg;
document.getElementById("r2").onclick = msg;

function msg() {
  console.log('function called');
  var x='';
  var formObj = document.getElementById("myform");

  for (var i = 0; i < formObj.fruit.length; i++) {
    if (formObj.fruit[i].checked) {
      x = formObj.fruit[i].value;
      break;
    }
  }
}

```

```
document.getElementById("radiomessage").innerText ="Your choice was "+x;

}
```

## 6. POSITION AND COORDINATES

HTML:

```
<html>
  <head>

    <style>
      #mybox{
        border: 2px solid blue;
        width:200px;
        height:100px;
        position: absolute;
        top:50px;
        left:250px;
      }
      img{
        width:100%;
      }
    </style>
  </head>
  <body>
    <div>
      Left:<input type="text" id="leftcoord"/><br><br>
      Top:<input type="text" id="topcoord"/><br><br>
      <input type="button" value="Change Position" onclick="changepos()"/>
    </div>
    <div id="mybox">
      
    </div>
  </body>
</html>
```

```
        </div>

        <script type="text/javascript" src="position.js"></script>
    </body>
</html>
```

JS:

```
function changepos(){
    var newleft=document.getElementById('leftcoord').value;
    var newtop=document.getElementById('topcoord').value;

    var obj=document.getElementById('mybox');

    obj.style.left=newleft+"px";
    obj.style.top=newtop+"px";
}
```

HTML+JS

```
<html>
    <head>
        <style>
            body{
                margin:0px;
                padding: 0px;
            }
        </style>
```

```

    <script>
        function getCoord(event){

            document.getElementById('clientx').value=event.clientX;
            document.getElementById('clienty').value=event.clientY;
            document.getElementById('screenx').value=event.screenX;
            document.getElementById('screeny').value=event.screenY;

        }
    </script>

</head>
<body onclick="getCoord(event)">
    <p>Coordinates within Client Area</p>
    clientX:<input type="text" id="clientx"/>
    clientY:<input type="text" id="clienty"/>

    <p>Coordinates Relative to Screen </p>
    screenX:<input type="text" id="screenx"/>
    screenY:<input type="text" id="screeny"/>
</body>
</html>

```

HTML + JS:

```

<html>

<head>

    <script>
        function display(event) {

```

```

        var msg = document.getElementById('msg');

        msg.style.left = (event.clientX - 50) + "px";
        msg.style.top = (event.clientY - 10) + "px";

        msg.style.visibility = "visible";
    }
    function hide() {
        document.getElementById('msg').style.visibility =
"hidden";
    }
</script>

<style>
    #msg {
        visibility: hidden;
        position: relative;
        border: 1px solid red;
    }

</style>
</head>

<body onmousedown="display(event)" onmouseup="hide()">

    <span id="msg">Do not click here!</span>
</body>

</html>

```

HTML:

```
<html>
  <head>
    <style>

      #img1{
        position: absolute;
        top:0px;
        left:0px;
        z-index: 0;

      }
      #img2{
        position: absolute;
        top:100px;
        left:50px;
        z-index: 0;

      }
      #img3{
        position: absolute;
        top:200px;
        left:100px;
        z-index: 0;

      }
      #img4{
        position: absolute;
        top:300px;
        left:150px;
        z-index: 0;

      }
    </style>
    <script type="text/javascript" src="imagestack.js"></
script>
  </head>
```



```
<body>
  <div>
    
    
    
    
  </div>

</body>
</html>
```

JS:

```
var currentTopImage = "img4";

function moveTop(newTopImage) {
  var currentImage = document.getElementById(currentTopImage)
  .style;
  var newImage = document.getElementById(newTopImage).style;

  currentImage.zIndex = "0";
  newImage.zIndex = "15";

  currentTopImage=newTopImage;
}
```