

UCS1611 INTERNET PROGRAMMING LAB
Department of Computer Science and Engineering
VI Semester - CSE C

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Ex 3: JavaScript event handling mechanisms, DOM

Generate a registration form for a hospital to register new patient

INDEX.html

```
<!DOCTYPE html>
<html>
<head>
<meta charset="utf-8">
<meta name="viewport" content="width=device-width,
initial-scale=1.0"> <title>EX-3</title>
<body>
<a href="form.html" target="blank">Form</a><br>
<a href="game.html" target="blank">Game</a>
</body>
</html>
```

----- **FORM** -----

form.html

```
<!DOCTYPE html>
<html>
<head>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width">
  <title>Patient Records</title>
```

```

<script src="script.js">

</script>
<link href="style.css" rel="stylesheet"
type="text/css" /> </head>

<body onload="startTime()">
  <div class="main">

    <section class="center">

      <br><br><h1>HOSPITAL REGISTRATION FORM</h1>
<div id="txt" class="time"></div>

<form action="#" method="post" target="_blank">
<table class='new'>
<thead>
<tr>
<th colspan="2"> Register new patient details here </th>
</tr>
</thead>
<tr>
<td><label for="name">Name:</label> </td> <td><input
type="text" id="name" name="name" pattern="[a-zA-
Z]{3,20}" required onfocus="NameFocus(this)"
onblur="NameBlur(this)"></td>
</tr>
<tr>
<td><label for="addr">Address: </label> </td>"
<td><textarea type="text" id="addr" name="address"
required onselect="Sel()"></textarea></td>
</tr>
<tr>
<td><label for="age">Age: </label> </td> <td><input
type="text" id="age" name="age" required
onkeypress="Press(this)" >
<br><p id="catAge" class="small"></p>
</td>

```

```

</tr>
<tr>
<td><label for="dob">Date Of Birth:</label></td>
<td><input type="date" id="dob" name="dob" required></td>
</tr>
<tr>
<td><label for="gender">Gender:</label></td>
<td>
<input type="radio" id="male" name="gender" value="male" >
<label for="Male">Male</label> &nbsp; <input
type="radio" id="female" name="gender"
value="female">
<label for="Female">Female</label> &nbsp; <input
type="radio" id="other" name="gender"
value="other">
<label for="Other">Other</label> <br>
</td>
</tr>
<tr>
<td>Marital Status: </td>
<td>
<select name="mat" id="mat" onchange="Change()" required>
<option value="None">--Select one of the below--</option>
<option value="Single">Single</option>
<option value="Married">Married</option>
<option value="Divorced">Divorced</option>
<option value="Widowed">Widowed</option>
</select>
<br>
<p id="demo" class="small"></p>
</td>
</tr>
<tr>
<td><label for="phone">Contact Number:</label></td>
<td><input type="tel" id="phone" name="phone" pattern="[0-9]{10}" "required></td>

```

```

</tr>
<tr>
<td><label for="ad">Addictions: </label> <br>
<ul id="list">
<p> <b>Drag and Drop from the Given List: </b></p>
<li id="drag1" draggable="true"
ondragstart="drag(event)"> Heroine </li> <li
id="drag2" draggable="true"
ondragstart="drag(event)"> Cocaine </li> <li
id="drag3" draggable="true"
ondragstart="drag(event)"> Crack </li> <li
id="drag4" draggable="true"
ondragstart="drag(event)"> Hallucinogens </li>
<li id="drag5" draggable="true"
ondragstart="drag(event)"> Amphetamines </li>
<li id="drag6" draggable="true"
ondragstart="drag(event)"> Marijuana </li> <li
id="drag7" draggable="true"
ondragstart="drag(event)"> Alcohol </li>
</ul>
</td>
<td><div id="div1" ondrop="drop(event)"
ondragover="allowDrop(event)"></div>
</td>
</tr>
<tfoot>
<tr>
<th><input type="submit" id="submit" value="Submit"
onclick="display()"></th>
<th><input type="reset" onclick="ResetFunc()"><br><p
id="res" class="small"></p></th>
</tr>
</tfoot>
</table>
</form>

<br>
<br>

```

```
<br>

</section>

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

```
style.css
*{ margin: 0;
padding: 0;
font-family: Sans-serif;
} .main{ background:
url("medical.jpg"); background-
size: cover;
```

```
}  
.center h1 { text-align:  
center; font-size: 40px;  
text-shadow: 2px 2px #696969;  
} table{
```

```
animation-
```

```
name: im;
```

```
animation-
```

```
duration:
```

```
4s; }
```

```
@keyframes im{ 0%  
{ opacity: 0%;  
}  
30% { opacity:  
0%; }  
100%  
{ opacity: 100%;  
}  
}
```

```
@keyframes anim{  
0%  
{ opacity: 0%;  
}  
100%  
{ opacity: 100%;  
}  
}
```

```
.time{ position: absolute;
top: 5%; right: 2%; font-
size: 30px; font-weight:
bold; border-style: ridge;
padding: 20px; border-
radius: 5px; border-color:
DarkGrey;
}
form{ font-size:
19px;
}
```

```
table,td,th{ margin-top:
30px; margin-left: auto;
margin-right: auto; width:
60%; border: 1px solid
black; font-weight: bold;
font-size: 19px;
} td{ padding: 30px;
text-align: left;
} th{ height: 60px;
padding: 40px; text-
align: center; font-
size: 20px; }
```

```
.new{ border: 1px solid
rgba(0,0,0,0.0); border-radius: 10px;
background:lightblue;
}
.new th,.new td{ border: 1px solid
rgba(0,0,0,0.0);
} input[type=text],input[type=email],select,input[type=
tel] { width: 300px;
padding: 12px 17px;
margin: 8px 0; box-sizing:
```

```
border-box; border-radius:
4px; font-size: 15px; }
```

```
textarea[type=text]
{ height: 100px; width:
300px; padding: 12px 17px;
margin: 8px 0; box-sizing:
border-box; border-radius:
4px; font-size: 15px; }
```

```
input[type=submit],input[type=reset]
{ width: 150px; padding:
12px 17px; margin: 8px 0;
border-radius: 4px; border:
none; font-size: 17px;
cursor: pointer;
background-color: white;
}
```

```
input[type=date] {
padding: 5px 8px;
border-radius: 4px;
} .small{ font-
size: 13px; }
```

```
ul{ font-size: 14px;
padding: 15px 10px;
list-style: none; font-
weight: normal;
} li{
padding: 3px 0px;
}
```

```
#div1 { width: 300px;
height: 150px; border: 1px
solid; background-color:
white; box-sizing: border-
box; border-radius: 4px;
```



```
padding: 12px 17px; margin:
8px 0; font-size: 15px; }
```

script.js

```
function startTime() {
    var today = new Date();
    var h = today.getHours();
    var m = today.getMinutes();
    var s = today.getSeconds();
    m = checkTime(m);
    s = checkTime(s);
    document.getElementById('txt').innerHTML = h + ":" + m + ":" + s;
    var t = setTimeout(startTime, 500);
}

function checkTime(i) {
    if (i < 10) {i = "0" + i};
    return i;
}

function NameFocus(x) {
    x.style.color = "Blue";
    x.style.background = "Gray";
}

function NameBlur(x) {
    x.style.color = "Black";
    x.style.background = "White";
}

function Sel() {
    alert("You selected some text!");
}

function Press(x) {
    y=parseInt(x.value)
    if(y<3) document.getElementById("catAge").innerHTML="Category: Infant";
    if(y>=3 && y<13) document.getElementById("catAge").innerHTML="Category: Child";
    if(y>=13 && y<18) document.getElementById("catAge").innerHTML="Category: Teen";
    if(y>=18 && y<60) document.getElementById("catAge").innerHTML="Category: Adult";
    if(y>=60) document.getElementById("catAge").innerHTML="Category: SeniorCitizen";
}
```

```

function Change() {
    var x = document.getElementById("mat").value;
    document.getElementById("demo").innerHTML = "You selected: " + x;
}

function allowDrop(x) {
    x.preventDefault();
}

function drag(x) {
    x.dataTransfer.setData("text", x.target.id);
}

function drop(x) {
    x.preventDefault(); var data = x.dataTransfer.getData("text");
    x.target.appendChild(document.getElementById(data));
}

function ResetFunc() {
    document.getElementById("div1").innerHTML = "";
    document.getElementById("list").innerHTML = '<ul id="list"style="display:inline;"><p><b>DragandDrop from the Given List: </b></p> <li id="drag1" draggable="true" ondragstart="drag(event)"> Heroine</li> <li id="drag2" draggable="true" ondragstart="drag(event)"> Cocaine </li> <li id="drag3" draggable="true" ondragstart="drag(event)">Crack</li><li id="drag4" draggable="true" ondragstart="drag(event)"> Hallucinogens </li> <li id="drag5" draggable="true" ondragstart="drag(event)"> Amphetamines </li> <li id="drag6" draggable="true" ondragstart="drag(event)"> Marijuana </li> <li id="drag7" draggable="true" ondragstart="drag(event)"> Alcohol </li> </ul>'
    document.getElementById("res").innerHTML = "Form has been resetted";
}

function display() {
    var nm = document.getElementById('name').value;
    var addr = document.getElementById('addr').value;
    var age = document.getElementById('age').value;
    var dob = document.getElementById('dob').value;
    var gen =document.querySelector('input[name="gender"]:checked').value;
    var mat = document.getElementById('mat').value;
    var phone = document.getElementById('phone').value; var div1 = document.getElementById('div1').innerHTML;
    document.writeln("<head>"); document.writeln("<title>Patient Records</title>"); document.writeln("<link href='style.css' rel='stylesheet' type='text/css' />"); document.writeln("</head>"); document.writeln("<body>"); document.writeln("<div class='main'>"); document.writeln("<section class='center'>"); document.writeln("<br><br><h1>HOSPITAL REGISTRATION FORM</h1>"); document.writeln("<br><br><table>");

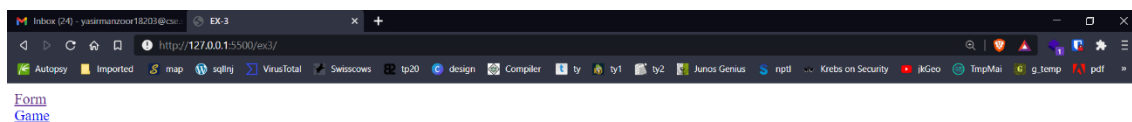
```

```

document.writeln("<thead><tr><th colspan='2'>Patient Details:</th></tr></thead>"); document.writeln("<tr><td>Name:</td><td>" + nm + "</td></tr>"); document
.writeln("<tr><td>Address:</td><td>" + addr + "</td></tr>"); document.writeln("<tr><td>Age:</td><td>" + age + "</td></tr>");
document.writeln("<tr><td>Date Of Birth:</td><td>" + dob + "</td></tr>"); document.writeln("<tr><td>Gender:</td><td>" + gen + "</td></tr>");
document.writeln("<tr><td>Marital Status:</td><td>" + mat + "</td></tr>"); document.writeln("<tr><td>Contact:</td><td>" + phone + "</td></tr>"); document.writeln("<tr><td>Addictions:</td><td>" + div1 + "</td></tr>"); document.writeln("</table>><br><br>");
}

```

OUTPUT SCREENSHOTS:



Inbox (24) - yasirmanzoor18203@cse...Patient Records

http://127.0.0.1:5500/ex3/form.html

AutopsyImportedmapsqlinjVirusTotalSwisscows tp20designCompiler tyty1ty2Junos Geniusnptl Krebs on SecurityjkGeotmpMaig_temppdf

HOSPITAL REGISTRATION FORM

11:38:19

Register new patient details here

Name:

Address:

Age:

Date Of Birth:

Gender: ☒ Male ☐ Female ☐ Other

Marital Status:
You selected: Single

Contact Number:

Addictions:
Drag and Drop from the Given List:
Heroin
Cocaine
Crack
Heroin
Amphetamines
Alcohol

Browser address bar: <http://127.0.0.1:5500/ex3/form.html>

Browser tabs: Autopsy, Imported, map, sqlinj, VirusTotal, Swisscows, tp20, design, Compiler, ty, ty1, ty2, Junos Genius, nptl, Krebs on Security, jkGeo, TmpMai, g_temp, pdf

HOSPITAL REGISTRATION FORM

| Patient Details: | |
|------------------|---|
| Name: | yasir itoo |
| Address: | India |
| Age: | 18 |
| Date Of Birth: | 2001-10-16 |
| Gender: | male |
| Marital Status: | Single |
| Contact: | 7780802327 |
| Addictions: | <ul style="list-style-type: none">• Marijuana |

-----Memory Game -----

game.html

```
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>Memory Game</title>
<script src="script1.js" charset="UTF-8"></script>
<link href="style1.css" rel="stylesheet"
type="text/css" />
</head>
<body>
<header>
<h1>MEMORY GAME</h1>
</header>
<div class="grid" id="board">
</div>
<div id="animation">
<div class="score">
SCORE:<span id="result"></span><br><br><br>
TIME LEFT<div id="timer"></div>
</div>
</div>
<div class="level">
Choose Level <br> <button type="button"
onclick="countdown(71);game();">Easy</button><br>
<button type="button"
onclick="countdown(51);game();">Medium</button><br>
<button type="button"
onclick="countdown(41);game();">Hard</button><br>
</div>
```

```
</body>
</html>
```

style1.css

```
* {
  margin: 0;
  padding: 0;
  font-style: italic;
  font-family: Arial, Helvetica, sans-serif;
}
body {
  background: url("bg.jpg");
  background-size: cover;
}
.grid {
  position: absolute;
  top: 18%;
  left: 32.5%;
  display: grid;
  grid-template-columns: auto auto auto auto;
  grid-gap: 15px;
  height: 10px;
  width: 10px;
}
.grid.card {
  border: 2px solidblack;
}
img {
  height: 125px;
  width: 125px;
}
header {
  width: 100%;
  font-family: Arial, Helvetica, sans-serif;
  font-style: italic;
  background: rgb(214, 190, 166);
  text-align: center;
  font-size: 35px;
  text-shadow: 2px 2px rgb(82, 30, 30);
  padding: 15px;
}
.level {
  font-size: 30px;
  left: 5%;
  top: 30%;
```

```

    position: absolute;
    font-weight: bold;
    line-height: 50px;
}
.score {
    font-size: 30px;
    position: absolute;
    right: 5%;
    top: 30%;
    font-weight: bold;
    line-height: 60px;
}
button {
    margin-top: 15px;
    height: 40px;
    width: 180px;
    font-size: 20px;
    padding: 12px 17px;
    margin: 8px 0;
    border-radius: 4px;
    border: none;
    cursor: pointer;
}

```

script1.js

```

function game(){
    const cardArray=[
        { name:'1', img:'Oggy.jpg' },
        { name:'1', img:'Oggy.jpg' },
        { name:'2', img:'Shinchan.jpg' },
        { name:'2', img:'Shinchan.jpg' },
        { name:'3', img:'doramon.jpg'},
        { name:'3', img:'doramon.jpg'},
        { name:'4', img:'lion.jpg' },
        { name:'4', img:'lion.jpg' },
        { name:'5', img:'minion.jpg' },
        { name:'5', img:'minion.jpg' },
        { name:'6', img:'jerry.jpg' },
        { name:'6', img:'jerry.jpg' },
        { name:'7', img:'tom.jpg' },
        { name:'7', img:'tom.jpg' },
        { name:'8', img:'tweet.jpg' },
        { name:'8', img:'tweet.jpg'}];
    cardArray.sort(() => 0.5 - Math.random());
    const grid = document.querySelector('.grid') ;
    const resultDisplay=document.querySelector('#result');
}

```



```

    var cardsChosen = [];
    var cardsChosenId = [];
    var cardsWon = [];
//board
function createBoard(){
    grid.innerHTML="";
    for(let i=0; i < cardArray.length; i++) {
        var card = document.createElement('img');
        card.setAttribute('src', 'peru.jpg');
        card.setAttribute('data-id', i);
        card.addEventListener('click', flipcard);
        grid.appendChild(card);
    }
}
//check if the cards are matched
function checkForMatch(){
    var cards=document.querySelectorAll('img');
    const optionOneId=cardsChosenId[0];
    const optionTwoId=cardsChosenId[1];
    if(cardsChosen[0]==cardsChosen[1]) {
        window.alert("Match Found!");
        cards[optionOneId].setAttribute('src', 'wh.jpg');
        cards[optionTwoId].setAttribute('src', 'wh.jpg');
        cardsWon.push(cardsChosen);
    }
    else{
        cards[optionOneId].setAttribute('src', 'peru.jpg');
        cards[optionTwoId].setAttribute('src', 'peru.jpg');
    }
    //clearing the cards chosen array and id array
    cardsChosen=[];
    cardsChosenId=[];
    resultDisplay.textContent=cardsWon.length;
    if(cardsWon.length==cardArray.length/2){
        resultDisplay.textContent=" Congratulations You Won!!!";
        window.alert(" Hurray!!!!You Won!!!!");
        clearTimeout(x); //clear the time as soon as game over
    }
}
//Flip your card
function flipcard(){
    var cardId=this.getAttribute('data-id');
    cardsChosen.push(cardArray[cardId].name);
    cardsChosenId.push(cardId);
    this.setAttribute('src', cardArray[cardId].img);
    if(cardsChosen.length ==2){
        setTimeout(checkForMatch, 650); //buffer time for 650 ms
    }
}

```

```

}

createBoard()
} var x;
function countdown(seconds){
    clearTimeout(x);
    function tick(){
        var timer=document.getElementById("timer"); seconds--;
        timer.innerHTML=(seconds < 10 ?"0":"")+String(seconds)+"seconds
";
        if(seconds > 0){
            x=setTimeout(tick,1000) //1000ms=1 sec
        }
        else{
            window.alert("Oops !!! Game Over ! "); var grid = document.
querySelector('.grid');
            grid.innerHTML = '';
        }
    }
    tick(); //call to the function tick
}

```

OUTPUT SCREENSHOTS

