| Name :Vishwas M | SRN:PES2UG20CS390 | Section: F |
|---|---|---|
| | Date: 30/09/2021 | Unit 2 Assignment |

## PROBLEM STATEMENT2 (for even number SRNs):

I.  **Create a registration form using Ajax to add Student Details like SRN, Name, Semester, Section and Club name. (No limits to the input fields)**

 a) Display an emoji using canvas element on the right side of the form on successful signup.
b) Add event listeners to all fields for validation using default propagation phase. (If any field is empty or any invalid PES SRN etc.)

## II. Write jQuery code to accomplish the following:

a) Insert the text "I love jQuery!!!" at the beginning of a <p> element.
b) Use the correct selector to hide all odd table rows in a table.
c) On moving the mouse over any table cell, the text font size should be increased by 2 times
d) To toggle between fading in and out a <div> element, when clicking on a button. The duration of the effect should be 1000 milliseconds.

Note: the sample screenshot of output is just for your reference. You have to design your own template.

## OBJECTIVE

The objective of this exercise is to test the student on HMTL and JavaScript. It evaluates the student's knowledge on HTML5 and jQuery/JavaScript for DOM, events, event handling CSS Styles, AJAX

## PREREQUISITE

In order to complete this exercise, the student needs to understand the fundamentals of HTML5, JavaScript and jQuery.

**PROGRAM-1:**
**REGISTRATION FORM:**

```html
<html>
    <head>
        <meta charset = "UTF-8">
        <title>Registration Form</title>
        <script src = "https://code.jquery.com/jquery-3.5.1.js"></script>
        <style>
            body{
                background:rgb(126, 238, 186);
            }
            div{
                text-align: center;
            }
            h1{
                font-size: 60;
                color:blue;
            }
            label{
                font-size: 30;
                color:rgb(235, 76, 14)
            }
            #submit,#reset{
                font-size: 30;
                color:rgb(128, 45, 167)
            }
        </style>
    </head>
    <body>
        <h1 align = "center">Registration Form</h1>
            <div>
            <form name = "form" onsubmit="return myfunc()" method = "post">
<label for="firstname">First Name:*</label><input type="text" id="firstname" re
quired><br><br>
<label for="lastname">Last Name:*</label><input type="text" id="lastname" requi
red><br><br>
                <label>SRN :*</label> <input type = "text" id = "srn" name = "s
rn" pattern = "PES[1-
3]UG(1[89]|2[01])(CS|ME|EE|EC)\d{3}" title = "Sample: PES2UG20CS342" required>
<br><br>
```
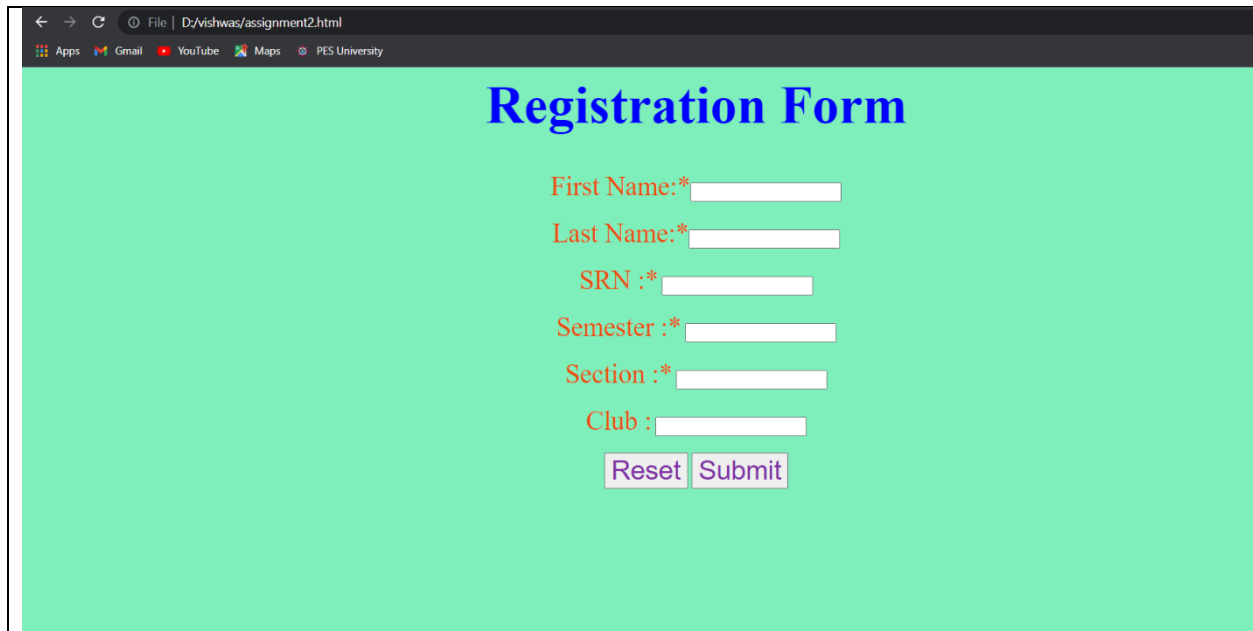
```html
                    <label>Semester :*</label> <input type = "text" id = "sem" name
 = "sem" pattern = "[1-
8]" title = "Semester must be between 1 and 8" required> <br><br>
                    <label>Section :*</label> <input type = "text" id = "sec" name
= "sec" required> <br><br>
                    <label>Club :</label> <input type = "text" id = "club" name = "
club"> <br><br>
                    <input type = "Reset" id="reset">
                    <input type = "Submit" id = "submit">
            </form></div><br><br>
        <canvas id="canvas" width="650" height="200">
            Canvas is not supported
        </canvas>
        <script src = "emoji.js"></script>
    </body>
</html>
```

**emoji.js:**

```javascript
var h = document.querySelector('#submit');

function myfunc()
{
    alert("you submitted the form!!");
    $('canvas').show(9000)
    const canvas = document.querySelector("#canvas");
    const contex = canvas.getContext("2d");
    contex.font = '100px serif';
    contex.textAlign = "right";
    contex.textBaseline = "right";
    contex.fillText('💀', canvas.width / 2, canvas.height / 2);
}

h.addEventListener('click',myfunc,true);
```
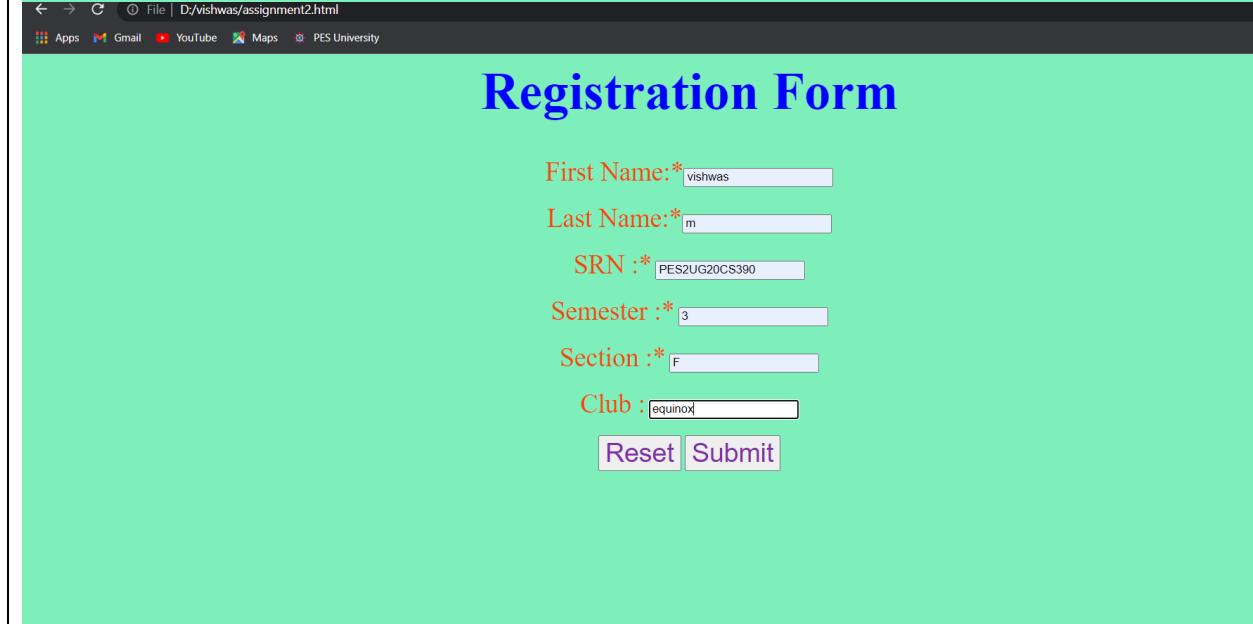
# Registration Form

First Name:*
Last Name:*
SRN :*
Semester :*
Section :*
Club :

Reset  Submit

# Registration Form

First Name:* vishwas
Last Name:* m
SRN :* PES2UG20CS390
Semester :* 3
Section :* F
Club : equinox

Reset  Submit

This page says

you submitted the form!!

OK

First Name:* vishwas

Last Name:* m

SRN :* PES2UG20CS390

Semester :* 3

Section :* F

Club : equinox

Reset  Submit

## PROGRAM 2:
**TABLE:**

```html
<html>
    <head>
        <meta charset = "UTF-8">
        <title>TABLE</title>
<link rel="stylesheet" type="text/css" href="table.css">
        <script src = "https://code.jquery.com/jquery-3.5.0.js"></script>
    </head>
    <body>
        <h1 align = "center">TABLE:</h1>
            <div style="background:#2E9AFE;width:100%;"> This will get faded...
.please wait and watch!!! </div>
<button id="btn1">Click to fade </button>
<br>
<br>
<table class="some_style"border="5" bordercolor="#17202A" bgcolor="#9B59B6" wid
th="50%" cellspacing="2" cellpadding="3">
<tr>
<th rowspan="2"> SL NO. </th>
<th rowspan="2"> SECTION </th>
<th colspan="2"> NUMBER OF STUDENTS: </th>
<th rowspan="2"> TOTAL: </th>
</tr>
<tr>
<th> CSE </th>
<th> ECE </th>
</tr>
<tr>
<td class="b1"> 1 </td>
<td class="b2"> B </td>
<td class="b3"> 45 </td>
<td class="b4"> 34 </td>
<td class="b5"> 89 </td>
</tr>
<tr>
<td class="b6"> 2 </td>
<td class="b7"> C </td>
<td class="b8"> 36 </td>
<td class="b9"> 67 </td>
```

```
<td class="b10"> 40 </td>
</tr>
</table>
<button id="btn2">Fading odd rows off the table</button>
        <script src = "emoji.js"></script>
    </body>
</html>
```

**emoji.js:**

```
var h = document.querySelector('#sub');
$(document).ready(function(){

$("button:first").click(function(){
$("form input").hide()
$("body").append( $("<p>").html("I love JQuery!!!").css("color","blue","width",
"30%").css("width","30%") )
});
$("#btn1").click(function(){
$("div").fadeToggle(1000);
});

 $("#btn2").click(function(){
$("tr:odd").hide();
 } );
});
```

**table.css**

```
table:hover
{
    text-align:center;
    font-size:300%;
}
table
{
    text-align:center;

}
```

```
.b2:hover{
    font-size:400%;
}
div{
    font-size:30;
    width:20%;
}
body{
    background:rgb(126, 238, 186);
}

table.some_style td {
background-color: rgb(216, 162, 45);
}

table.some_style td:hover {
background-color: rgb(10, 100, 122);
}
```

← → C  ⓘ File | D:/vishwas/assignment2.html

▦ Apps  M Gmail  ▶ YouTube  ⯆ Maps  ⚙ PES University

## TABLE:

This will get faded....please wait and watch!!!

Click to fade

| SL NO. | SECTION | NUMBER OF STUDENTS: | | TOTAL: |
|---|---|---|---|---|
| | | CSE | ECE | |
| 1 | B | 45 | 34 | 89 |
| 2 | C | 36 | 67 | 40 |

Fading odd rows off the table

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Fading odd rows off the table

I love JQuery!!!

← → C ⓘ File | D:/vishwas/assignment2.html

⦂⦂⦂ Apps  M Gmail  ▶ YouTube  ⚹ Maps  ⚙ PES University

# TABLE:

Click to fade

| SL NO. | SECTION | NUMBER OF STUDENTS: | | TOTAL: | 45 | 34 | 89 |
|--------|---------|---------------------|---|--------|----|----|----|
|        |         | 1 | B |        |    |    |    |

Fading odd rows off the table

I love JQuery!!!