

Name: SUNDEEP A	SRN: PES1UG20CS445	Section: H
	Date: 1-10-21	Unit 2 Assignment Exercise

PROBLEM STATEMENT2 (for even number SRNs):

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

- Except Club name, all other fields are mandatory. Validate your SRN with the correct format and Semester should be within 1 to 8.
- Display an emoji using canvas element on the right side of the form on successful sign up.
- Use AddEventListeners for adding click event use alert to display the target element on which the event was invoked.

II. Write jQuery code to accomplish the following:

- Insert the text "I love jQuery!!!" at the beginning of a <p> element.
- Use the correct selector to hide all elements in the form.
- To toggle between fading in and out a <div> element, when clicking on a button. The duration of the effect should be 1000 milliseconds.
- Using Ajax insert a JSON file which has bookstore data.

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 HTML and JavaScript. It evaluates student's knowledge on HTML5 and jQuery/JavaScript for DOM, events, event handling CSS S, and AJAX.

PREREQUISITE

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

SAMPLE SCREENSHOT OF OUTPUT (Just for your reference)

SAMPLE1:

Sign Up Form Example

First, Last Name*:

Organization:

Email address*:

Work Phone:

Home Phone:

Cell Phone:

Fax:

Address 1*:

Address 2:

City*:

State/Province:

Zip/Postal Code:

Country*:

* - required fields



PROGRAM

```
<html>
<style>
body
{font-family: Arial, Helvetica, sans-serif;}
* {box-sizing: border-box}

input[type=text]{
  width: 100%;
  padding: 15px;
  margin: 5px 0 22px 0;
  display: inline-block;
  border: none;
  background: #f1f1f1;
}
button {
  background-color: #04AA6D;
```

```
color: white;
padding: 8px;
border: none;
width: 30%;
opacity: 0.9;
margin-inline-start: 15%;
animation-timing-function: cubic-bezier(0.175, 0.885, 0.32, 1.275);
}
.container {
padding: 16px;
}
#req{
text-align: left;
float: left;
}
#canvas
{
background:white;
}
.left{
float: left;
}
</style>
<body>
<div class="container">
<form>
<h1>Sign Up form</h1>
<p>Please fill in this form to join the Club.</p>
<hr>

<label for="name"><b>Name *</b></label>
<input type="text" placeholder="Enter name" id="name" required>

<label for="sem"><b>Semester 1 to 8: *</b></label>
<input type="text" placeholder="Semester" id="sem" onchange="ch_sem()" required>

<label for="srn"><b>SRN *</b></label>
<input type="text" placeholder="Enter SRN" id="srn" onchange="ch_srn()" required>

<label for="club"><b>Club Name:</b></label>
<input type="text" placeholder="Enter the Club name" name="club">
```

```

<label for="rno"><b>Roll No. *</b></label>
<input type="text" placeholder="rollno" id="rno" required>

<label for="address"><b>address *</b></label>
<input type="text" placeholder="Enter address" id="address" required>
<div class=left>
<label for="Feedback">Feedback: </label><br>
<textarea name = "Feedback" cols ="60" rows ="2" id="feedback"></textarea><br><br>
<label>
<input type="checkbox" checked="checked" name="remember" style="margin-
bottom:15px"> Remember me
</label>

<p>By signing Up you agree to our <a href="#" style="color:dodgerblue">Terms & Privacy</a>
<div id="req">required field - *</div>
  <button type="submit" onclick="happyFace()">Sign Up</button></div>
</form>
</div>
<div style="float:right">
<canvas id="canvas" ></canvas>
</div>
<script >
  function happyFace() {
    const canvas = document.querySelector("#canvas");
    const contex = canvas.getContext("2d");
    contex.font = '100px serif'
    contex.textAlign = "center";
    contex.textBaseline = "middle";
    contex.fillText('☺', canvas.width / 2, canvas.height / 2);
  }
  function ch_srn(){
    var srn=document.getElementById("srn").value;
    if(srn.length!=13)
    {
      alert("Please enter valid SRN ");
      return;
    }
  }
  function ch_sem(){
    var sem=document.getElementById("sem").value;
    if(sem.trim()==" " || sem<1 || sem>8 )
    {

```

```
        alert("Please enter valid semester");
        return;
    }

}
addEventListener("click",function(e)
{
    alert("The target element is "+e.target);
});

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

2)

```
<html>
    <head>
        <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js">
        </script>
        <script>
            $(document).ready(function(){
                $(".bt1").click(function(){
                    $("p").hide();
                });
                $(".bt2").click(function(){
                    $("p").show();
                });
                $(".pre").click(function(){
                    $("#p1").prepend("I LOVE JQUERY ");
                });
                $(".bt3").click(function(){
                    $("#p2").fadeToggle(1000);
                });
                $.ajax({
                    dataType: "json",
```

```
url: "j1.json",
success: function(data){
for (var i = 0; i < data.books.length; i++){
console.log(data.books.bookname[i]);
console.log(data.books.row[i]);
console.log(data.books.colom[i]);
}
}
});});
</script>
</head>
<body>
<button class="pre">click to prepend</button>
<p id="p1">Hello World </p>
<p id="p2">Hey!!</p>
<button class="bt1">Hide</button>
<button class="bt2">Show</button>
<button class="bt3">Fade</button>
</body>
</html>
```

SCREENSHOT OF YOUR OUTPUT

1)

Sign Up form

Please fill in this form to join the Club.

Name *

SUNDEEP A

Semester 1 to 8: *

3

SRN *

PES1UG20CS445

Club Name:

cs club

Roll No. *

7

address *

PES University

Feedback:

☒ Remember me

By signing Up you agree to our [Terms & Privacy](#).

required field - *

Sign Up



EventListener function

Sign Up form

Please fill in this form to join the Club.

Name *

Enter name

Semester 1 to 8: *

Semester

SRN *

Enter SRN

This page says

The target element is [object HTMLInputElement]

OK

Validating SRN

Sign Up form

Please fill in this form to join the Club.

Name *

SUNDEEP A

Semester 1 to 8: *

6

SRN *

PES1UG

This page says

Please enter valid SRN

OK

Validating SEM

Sign Up form

Please fill in this form to join the Club.

Name *

SUNDEEP A

Semester 1 to 8: *

10

This page says

Please enter valid semester

OK

2)

click to prepend

Hello World

Hey!!

Hide

Show

Fade

Fade:

click to prepend

Hello World

Hide

Show

Fade

Prepend:

click to prepend

I LOVE JQUERY Hello World

Hide

Show

Fade

Hide:

click to prepend

Hide

Show

Fade

Show:

click to prepend

I LOVE JQUERY Hello World

Hey!!

Hide

Show

Fade