

Name: Adithya M	SRN: PES1UG20CS621	Section: K
	Date: 9/2/2021	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 Club 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 signup.
- 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 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.

### 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>
<head>
  <style>
    form {
      text-align: center;
    }
  </style>
</head>
<body>
  <h1>Student Registration Form</h1>
  <form action="" name="form" onsubmit="return validate(this)">
    <table>
      <tr>
        <td>First, Last Name*</td>
        <td><input type="text" name="name" required /></td>
      </tr>
      <tr>
```

```

<td>SRN</td>
<td><input type="text" name="srn" /></td>
</tr>
<tr>
<td>Email*</td>
<td><input type="text" name="email" required /></td>
</tr>
<tr>
<td>Sem</td>
<td><input type="number" name="sem" /></td>
</tr>
<tr>
<td>Club Name</td>
<td><input type="text" name="club" /></td>
</tr>
<tr>
<td>Cell Phone</td>
<td><input type="text" name="cellphone" /></td>
</tr>
<tr>
<td>Fax</td>
<td><input type="text" name="fax" /></td>
</tr>
<tr>
<td>Address*</td>
<td><input type="text" name="address" id="" required /></td>
</tr>
<tr>
<td>City*</td>
<td><input type="text" name="city" id="" required /></td>
</tr>
<tr>
<td>State</td>
<td><input type="text" name="state" /></td>
</tr>
<tr>
<td>Zip Code</td>
<td><input type="text" name="zip" /></td>
</tr>
<tr>
<td>Country*</td>
<td><input type="text" name="country" required /></td>
</tr>
<tr>
<td>*required</td>

```

```

        <td><input type="submit" value="Submit" id="btn"/></td>
        <td><canvas id="emoji" width="250px" height="250px"></canvas></td>
    </tr>
</table>
<br />
</form>

<script>
function validate(words) {
    var srn_regex = /^(PES)(0|1)[A-Z]{2}[0-2]{2}[A-Z]{2}[0-9]{3}$/;
    var sem_regex = /^[0-8]$/;
    if (srn_regex.test(words.srn.value) == false) {
        alert("Wrong SRN Format");
        return false;
    }
    if (sem_regex.test(words.sem.value) == false) {
        alert("Wrong Sem");
        return false;
    }
    c1 = document.querySelector("#emoji");
    ctx = c1.getContext("2d");
    ctx.font = "100px serif";
    ctx.textAlign = "right";
    ctx.textBaseline = "right";
    ctx.fillText("😊", c1.width / 2, c1.height / 2);

    document.getElementById("btn").addEventListener("submit", function(){
        alert(event.currentTarget.id);
    },false);
}
</script>
</body>
</html>

```

**2) a)** \$(document).ready(function(){  
 \$("btn").click(function(){  
 \$("<span>I love jQuery!!!</span>").insertBefore("p");  
 });  
 });

**b)** \$(document).ready(function(){  
 \$("button").click(function(){  
 \$("\*").hide();  
 });

```
});
```

```
c) $("button").click(function(){  
    $("div").fadeToggle(1000);  
});
```

SCREENSHOT OF YOUR OUTPUT

## Student Registration Form

First, Last Name*	<input type="text"/>
SRN	<input type="text"/>
Email*	<input type="text"/>
Sem	<input type="text"/>
Club Name	<input type="text"/>
Cell Phone	<input type="text"/>
Fax	<input type="text"/>
Address*	<input type="text"/>
City*	<input type="text"/>
State	<input type="text"/>
Zip Code	<input type="text"/>
Country*	<input type="text"/>

\*required