

## **SYSTEMS LAB-II, RCOEM**

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**Branch & Sem : CSE-A IV**

**Batch : A**

**Practical No. 6**

### **Aim :**

Design a form for registration of an online exam implementing the following validation constraints:

Divide the form in three sections:

- A. Personal Information
- B. Educational information
- C. Payment Details

A. Personal Information:

- Name (must not have the digits or special characters)
- Email id should be valid
- Mobile number (length == 10 and must start with 7/8/9 only)
- Date of birth (should be such that  $18 < \text{age} < 25$ )

B. Educational information:

- X and XII marks must be mandatory
- Rest of the fields of academic details are optional

C. Payment Details:

- Card no should be valid in case of card payment and upi id should be valid in case of upi payment

### **Code :**

Form.html

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta http-equiv="X-UA-Compatible" content="IE=edge" />
```

```

<meta name="viewport" content="width=device-width, initial-scale=1.0"
/>

<link href="forms.css" rel="stylesheet" />
<title>Registration Form</title>

<script>
    function submit() {
        alert("Form Submitted");
    }
    function validateForm() {
        var name = document.forms["registrationForm"]["Name"].value;
        var email = document.forms["registrationForm"]["Email"].value;
        var mobile = document.forms["registrationForm"]["Mobile"].value;
        var dob = document.forms["registrationForm"]["DOB"].value;

        var xMarks = document.forms["registrationForm"]["XMarks"].value;
        var xiiMarks =
document.forms["registrationForm"]["XIIMarks"].value;

        var paymentMethod =
        document.forms["registrationForm"]["PaymentMethod"].value;
        var cardNo = document.forms["registrationForm"]["CardNo"].value;
        var upiId = document.forms["registrationForm"]["UPIId"].value;

        if (!name.match(/^[A-Za-z\s]+$/)) {
            alert(
                "Invalid Name. Name must not have digits or special
characters."
            );
            return false;
        }

        if (!email.match(/^\w+([.-]?\w+)*@\w+([.-]?\w+)*(\.\w{2,3})+$/)) {
            alert("Invalid Email Address.");
            return false;
        }

        if (!mobile.match(/^[7-9]\d{9}$/)) {
            alert(

```

```

        "Invalid Mobile Number. Mobile number must be 10 digits and
start with 7, 8, or 9."
    );
    return false;
}

var today = new Date();
var birthDate = new Date(dob);
var age = today.getFullYear() - birthDate.getFullYear();
if (age <= 18 || age >= 25) {
    alert("Invalid Date of Birth. Age must be between 18 and 25.");
    return false;
}

if (xMarks === "" || xiiMarks === "") {
    alert("X and XII marks are mandatory.");
    return false;
}

if (paymentMethod === "Card" && !cardNo.match(/^\d{16}$/)) {
    alert("Invalid Card Number.");
    return false;
}

if (paymentMethod === "UPI" && !upiId.match(/^\w+@\w+$/)) {
    alert("Invalid UPI ID.");
    return false;
}
}

</script>
</head>
<body>
    <h1 class="title">Registration Form</h1>
    <div class="content">
        <h2 class="h1">Enter The Following Details To Register</h2>
        <div class="c1">
            <form
                name="registrationForm"
                action="javascript:submit()"
                method="get|post"

```

```

>
<h3>Personal Information</h3>
<label for="Name">Name:</label>
<input class="m" type="text" id="Name" name="Name" /><br />

<label for="Email">Email:</label>
<input class="m" type="text" id="Email" name="Email" /><br />

<label for="Mobile">Mobile Number:</label>
<input class="m" type="text" id="Mobile" name="Mobile" /><br />

<div class="form-section">
  <label for="DOB">Date of Birth:</label>
  <input class="m" type="date" id="DOB" name="DOB" required />
</div>

<h3>Educational Information</h3>
<label for="XMarks">X Marks:</label>
<input class="m" type="text" id="XMarks" name="XMarks" /><br />

<label for="XIIMarks">XII Marks:</label>
<input class="m" type="text" id="XIIMarks" name="XIIMarks" /><br
/>

<label for="College">College:</label>
<input class="m" type="text" id="College" name="College" /><br
/>

<label for="University">University:</label>
<input
  class="m"
  type="text"
  id="University"
  name="University"
/><br />

<h3>Payment Details</h3>
<div class="form-section">
  <label for="PaymentMethod">Payment Meathod:</label>
  <select id="PaymentMethod" name="PaymentMethod" required>

```

```

        <option value="">Select Payment Method</option>
        <option value="card">Card</option>
        <option value="upi">UPI</option>
    </select>
</div>
<br />

<label for="CardNo">Card Number:</label>
<input class="m" type="text" id="Card" name="Card" /><br />

<label for="UPIId">UPI ID:</label>
<input class="m" type="text" id="UPI" name="UPI" /><br />

<button class="back1" type="submit" onclick="return
validateForm()">
    Submit
</button>
<button
    onclick="window.location.href = 'form.html';"
    class="back1"
    type="reset"
>
    Reset
</button>
</form>
</div>
</div>
</body>
</html>

```

## Forms.css

```

* {
    padding: 0;
    margin: 0;
}
body {
    background-color: rgb(27, 25, 25);
}

```

```
.title {
  color: gold;
  text-align: center;
  margin-top: 2%;
  text-transform: uppercase;
}

.content {
  margin: 2% 10%;
  width: 80%;
  height: 100%;
  color: black;
  background-color: goldenrod;
  border: 2px solid whitesmoke;
  border-radius: 5%;
  font-size: 20px;
}

.m {
  margin-bottom: 20px;
}

.cl {
  margin-left: 200px;
  margin-top: 50px;
  padding: 0 200px;
}

.h1 {
  text-align: center;
  margin: 30px;
}

nav {
  margin-left: 35%;
}

.back1:hover {
  background-color: goldenrod;
  color: rgb(24, 24, 24);
  border: 1px solid black;
}
```

```

.back1 {
  border: 0;
  padding: 8px 5px;
  color: goldenrod;
  margin: 50px;
  border-radius: 10%;
  font-weight: bold;
  background-color: rgb(24, 24, 24);
  font-family: serif;
  font-size: 20px;
}
h3 {
  margin-bottom: 10px;
}

```

**Output :**

## REGISTRATION FORM

Enter The Following Details To Register

**Personal Information**

Name:

Email:

Mobile Number:

Date of Birth:  ☐

**Educational Information**

X Marks:

XII Marks:

College:

University:


**Payment Details**

Payment Meathod:

Card Number:

UPI ID:

Payment Meathod:

Card Number:  Please select an item in the list.




127.0.0.1:5500 says

Invalid Name. Name must not have digits or special characters.

OK

Mobile Number:

Date of Birth:  

## Educational Information

X Marks:

XII Marks:

College:

University:

## Payment Details

Payment Meathod:

Card Number:

UPI ID:

Submit

Reset