

**Lab#2**

**Aim : Implement JavaScript Validations to the registration form using Event Listener and Events.**

**Final Outcome:**

The screenshot shows a web browser window with the address bar displaying the file path: `U:/Advance%20Web%20Technology/Lab/mobile%20shop%20website%20bootstrap/lab2/lab2.html`. The page title is "lab2.html". The browser's developer tools are open, showing a console message: "This page says: You have entered an invalid email address!". The registration form is titled "REGISTRATION FORM" and is divided into two sections: "Personal Details" and "Educational Details". The "Personal Details" section contains the following fields: First Name (Utsav), Middle Name (a), Last Name (a), Username(E-mail) (a), Password (Enter Password), Confirm Password (Confirm Password), Mobile Number (empty), Date of Birth (dd-mm-yyyy), Address for Communication (Address), Gender (Male/Female), Hobbies (Cricket/Playing/Reading), and State (Gujarat). The "Educational Details" section is currently empty.

**REGISTRATION FORM**

The screenshot shows the same registration form as above, but with valid data entered. The "Personal Details" section contains the following fields: First Name (Utsav), Middle Name (Dharmendrabhai), Last Name (Gohel), Username(E-mail) (utsav@gmail.com), Password (\*\*\*\*\*), Confirm Password (\*\*\*\*\*), Mobile No (8347050174), Alternate Number (9824114136), Date of Birth (04-08-2022), Address for Communication (san francisco new daniel street west gate), Gender (Male), Hobbies (Cricket), and State (Gujarat). The "Educational Details" section is currently empty.

Educational Details

Education

Btech

Institution

Marwadi University

Percentage

9.2 cgpa

Institution Address

Morbi Road  
Rajkot

State

Gujarat

Upload Files

Your Resume

Choose File

Utsav Resume 1.pdf

Your Recent Photo

Choose File

utsav\_passportsize.jpg

SUBMIT

RESET

**Code Snippet:**

```

<!DOCTYPE html>
<html>
<head>
  <title></title>
  <link rel="stylesheet" type="text/css" href="prac2.css">
</head>
<body>
  <div class="det">
    <h1>REGISTRATION FORM</h1>
    <form name="personalID" onsubmit="return validateForm()">
      <fieldset>
        <legend>Personal Details</legend>
        <table>
          <tr>
            <td>First Name<br>
              <input type="text" placeholder="Enter First Name" name="fname" id="fname"
required>
            <td>Middle Name<br>
              <input type="text" placeholder="Enter Middle Name" id="mname" name="mname"
required>
            </td>
            <td>Last Name<br>

```

```

        <input type="text" placeholder="Enter Last Name" id="lname" name="lname" required>
    </td>
</tr>
<tr>
    <td>Username(E-mail)<br>
        <input type="email" placeholder="Enter Email" name="email" id="email" required>
    </td>
    <td>
        Password<br>
        <input type="password" placeholder="Enter Password" name="password" id="pass"
required>
    </td>
    <td>Confirm Password<br>
        <input type="password" placeholder="Confirm Password" name="cpassword"
id="cpass" required>
    </td>
</tr>
<tr>
    <td>Mobile No<br>
        <input type="text" placeholder="Enter Number" name="mob" maxlength="10"
minlength="10" id="mobile" required>
    </td>
    <td>Alternate Number<br>
        <input type="text" placeholder="Enter Number" name="amob" maxlength="10"
minlength="10" id="altmobile">
    </td>
    <td>Date of Birth<br>
        <input type="date" name="dob" id="date" required>(DD-MM-YYYY)
    </td>
</tr>
<tr>
    <td colspan="2">Address for Communication<br>
        <textarea cols="40" rows="7" placeholder="Address" name="address"
id="addr"></textarea>
    </td>
</tr>
<tr>
    <td colspan="2">Gender<br>
        <input type="radio" name="gender" value="male" class="gender">Male
        <input type="radio" name="gender" value="female" class="gender">Female
    </td>

```

```

</tr>
<tr>
  <td colspan="2">Hobbies<br>
    <input type="checkbox" name="hobbies[]" value="cricket">Cricket
    <input type="checkbox" name="hobbies[]" value="playing">Playing
    <input type="checkbox" name="hobbies[]" value="reading">Reading
  </td>
</tr>
<tr>
  <td>State<br>
    <select name="state" class="sel" id="state" required>
      <option value="gujarat">Gujarat</option>
      <option value="mp">MP</option>
      <option value="maharashtra">Maharashtra</option>
      <option value="up">UP</option>
    </select>
  </td>
</tr>
</table>
</fieldset>
<fieldset>
  <legend>Educational Details</legend>
  <table>
    <tr>
      <td>Education<br>
        <select name="state" class="sel">
          <option value="btech">Btech</option>
          <option value="mtech">Mtech</option>
          <option value="msc">MSC</option>
          <option value="bsc">BSC</option>
        </select>
      </td>
    </tr>
    <tr>
      <td>Institution<br>
        <input type="text" placeholder="Institution" name="institution"
          id="ins" required>
      </td>
    </tr>
    <tr>
      <td>Percentage<br>

```

```
<input type="text" placeholder="Percentage" name="percentage"
required
>
</td>
</tr>
<tr>
<td colspan="2">Institution Address<br>
<textarea cols="40" rows="7" placeholder="Address" name="address"></textarea>
</td>
</tr>
<tr>
<td>State<br>
<select name="state" class="sel">
<option value="gujarat">Gujarat</option>
<option value="mp">MP</option>
<option value="maharashtra">Maharashtra</option>
<option value="up">UP</option>
</select>
</td>
</tr>
</table>
</fieldset>
<fieldset>
<legend>Upload Files</legend>
<table>
<tr>
<td>
Your Resume<br>
<input type="file" name="resume" id="file1" required>
</td>
</tr>
<tr>
<td>
Your Recent Photo<br>
<input type="file" name="photo" id="file2" required>
</td>
</tr>
</table>
</fieldset>
<br>
<input type="submit" name="submit" value="SUBMIT" class="submitbtn">
```

```
<input type="reset" name="reset" value="RESET" class="resetbtn">
<br>
</form>
</div>
<script src="./index.js"></script>
</body>
</html>
```

**CSS code: -**

```
body{
  font-family: Arial, Helvetica, sans-serif;
  margin: 0;
}
```

```
fieldset{
  margin: 0px 50px 0px 50px;
  border-width: 5px;
}
```

```
table{
  border-spacing: 70px 20px;
}
```

```
.det{
  margin-left: auto;
  margin-right: auto;
  background-color: white;
  color: black;
  width: 100%;
}
```

```
input[type=submit], input[type=reset]{
  margin-left: 50px;
  margin-bottom: 50px;
  width: 200px;
  box-shadow: 0px 2px 2px grey;
  display: inline-block;
  border: 1px solid grey;
  background: #f1f1f1;
}
```

```
input[type=text], input[type=password], input[type=email], input[type=date], select, textarea{
  width: 200px;
```

```
display: inline-block;
border: 1px solid grey;
background: #f1f1f1;
}
```

**JavaScript code: -**

```
const fname = document.getElementById('fname');
const mname = document.getElementById('mname');
const lname = document.getElementById('lname');
const email = document.getElementById("email");
const pass = document.getElementById("pass");
const cpass = document.getElementById("cpass");
const mobile = document.getElementById("mobile");
const altmobile = document.getElementById("altmobile");
const addr = document.getElementById("addr");
const file1 = document.getElementById("file1");
const file2 = document.getElementById("file2");
```

```
fname.addEventListener('change', checkValue);
mname.addEventListener('change', checkValue2);
lname.addEventListener('change', checkValue3);
email.addEventListener('change', emailValidate);
pass.addEventListener('change', passValidate);
cpass.addEventListener('change', cpassValidate);
mobile.addEventListener('change', mobileValidate);
altmobile.addEventListener('change', altmobileValidate);
addr.addEventListener('change', addrValidate);
file1.addEventListener('change', file1Validate);
file2.addEventListener('change', file2Validate);
```

```
function checkValue(e) {
  if (fname.value == "" || fname.value.length < 1) {
    alert("Enter First Name")
    fname.style.border = "3px solid red"
  } else if (e.target.value) {
    fname.style.border = ""
  }
}
```

```
function checkValue2(e) {
  if (mname.value == "" || mname.value.length < 1) {
```

```
        alert("Enter Middle Name")
        mname.style.border = "3px solid red"
    } else if (e.target.value) {
        mname.style.border = ""
    }
}

function checkValue3(e) {
    if (lname.value == "" || lname.value.length < 1) {
        alert("Enter Last Name")
        lname.style.border = "3px solid red"
    } else if (e.target.value) {
        lname.style.border = ""
    }
}

function emailValidate() {
    const regex = /^\\w+([\\.-]?\\w+)*@\\w+([\\.-]?\\w+)*\\.\\w{2,3}+$/;
    if (regex.test(email.value)) {
        email.style.border = ""
    } else {
        alert("You have entered an invalid email address!")
        email.style.border = "3px solid red"
    }
}

function passValidate(e) {

    if (pass.value == "" || pass.value.length <= 5) {
        alert("Enter Password")
        pass.style.border = "3px solid red"
    } else if (e.target.value) {
        pass.style.border = ""
    }

}

function cpassValidate(e) {

    if (e.target.value != pass.value) {
        alert("Confirm Password must be same as Password")
    }
}
```



```
    cpass.style.border = "3px solid red"
  } else {

    if (cpass.value == "" || cpass.value.length <= 5) {
      alert("Enter Confirm Password")
      cpass.style.border = "3px solid red"
    } else if (e.target.value) {
      cpass.style.border = ""
    }
    cpass.style.border = ""
  }
}
```

```
function mobileValidate() {
  const regex = /^(+\d{1,3}[- ]?)?\d{10}$/;
  if (regex.test(mobile.value)) {
    mobile.style.border = ""
  } else {
    alert("Enter Valid Mobile Number")
    mobile.style.border = "3px solid red"
  }
}
```

```
function altmobileValidate() {
  const regex = /^(+\d{1,3}[- ]?)?\d{10}$/;
  if (mobile==altmobile) {
    altmobile.style.border = ""
  } else {
    alert("Enter Valid Mobile Number")
    altmobile.style.border = "3px solid red"
  }
}
```

```
function addrValidate(e) {
  if (addr.value == "") {
    alert("Enter Address")
    addr.style.border = "3px solid red"
  } else if (e.target.value) {
    addr.style.border = ""
  }
}
```