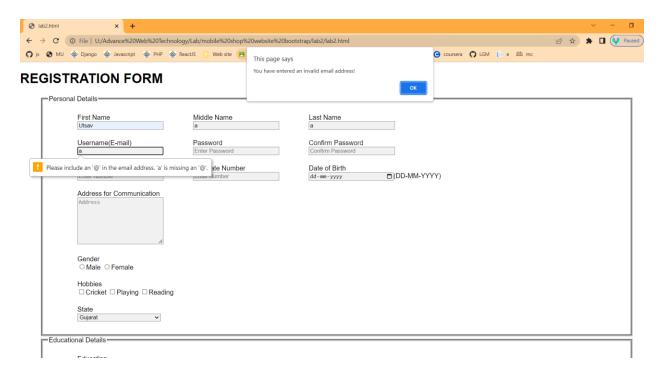
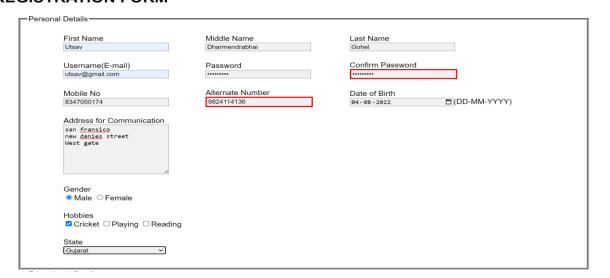
Lab#2

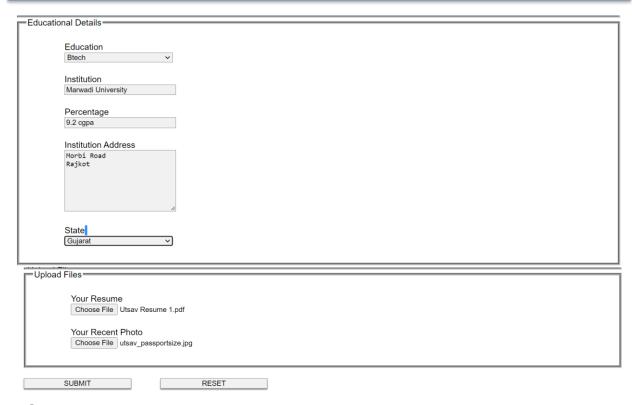
Aim: Implement JavaScript Validations to the registration form using Event Listener and Events.

Final Outcome:



REGISTRATION FORM





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="personalD" onsubmit="return validateForm()">
      <fieldset>
        <legend>Personal Details</legend>
       First Name<br>
             <input type="text" placeholder="Enter First Name" name="fname" id="fname"
required>
           Middle Name<br>
             <input type="text" placeholder="Enter Middle Name" id="mname" name="mname"
required>
           Last Name<br>
```

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

```
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
     State<br>
      <select name="state" class="sel" id="state" required>
        <option value="gujarat">Gujarat
        <option value="mp">MP</option>
        <option value="maharashtra">Maharashtra
        <option value="up">UP</option>
       </select>
     </fieldset>
<fieldset>
 <le>egend>Educational Details</legend>
 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>
     Institution<br>
       <input type="text" placeholder="Institution" name="institution"
      id="ins" required>
     Percentage<br>
```

```
<input type="text" placeholder="Percentage" name="percentage"
      required
      >
     Institution Address<br>
      <textarea cols="40" rows="7" placeholder="Address" name="address"></textarea>
     State<br>
      <select name="state" class="sel">
        <option value="gujarat">Gujarat
        <option value="mp">MP</option>
        <option value="maharashtra">Maharashtra
        <option value="up">UP</option>
      </select>
     </fieldset>
<fieldset>
 <legend>Upload Files</legend>
 Your Resume<br>
      <input type="file" name="resume" id="file1" required>
     Your Recent Photo<br>
      <input type="file" name="photo" id="file2" required>
     </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 Iname = document.getElementById('Iname');
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 (Iname.value == "" | | Iname.value.length < 1) {
    alert("Enter Last Name")
    lname.style.border = "3px solid red"
  } else if (e.target.value) {
    Iname.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 = /^{\left(+\frac{1,3}{-}\right)?}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 = ""
  }
}
```