



**SHRI VILEPARLE KELAVANI MANDAL'S  
DWARKADAS J. SANGHVI COLLEGE OF ENGINEERING**  
(Autonomous College Affiliated to the University of Mumbai)  
NAAC ACCREDITED with "A" GRADE (CGPA : 3.18)  
**DEPARTMENT OF INFORMATION TECHNOLOGY**



**Course: Web Programming Lab**  
**Course Code: DJ19ITL405**  
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**Semester: IV**  
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**EXPERIMENT NO.5**

**Aim:** JavaScript

a) Programs based on form validation

- Create given form.
- When clicking on “Submit Form” button, it will call the function validateForm(). This function will check whether the inserted data is correct or not. If any of the inserted data is not in proper format, it will display the alert box specifying the error. If all inserted data are in correct format it will display alert box “Your data has been validated!!!!”

**THEORY:**

Form validation is a “technical process where a web-form checks if the information provided by a user is correct.”

The form will either alert the user that they messed up and need to fix something to proceed, or the form will be validated and the user will be able to continue with their registration process.

**Username/ Password:**

Username and password can be validated by checking string length of username/password as `us.length`.

**Confirm password:**

This can be validated by checking if both the values of password fields match.

**Firstname/email/website:**

These can be validated by using regular expressions that is specifying the format of allowed input.

**Age/phone:**

These can be validated by using `isNaN()` function which checks if the string is not a number.

**Gender/disclaimer:**

These can be validated by checking the state of these variables that is if checked or not.



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**IMPLEMENTATION:**

← → ↻ ⓘ File | C:/Users/SHREE%20RAM/Desktop/wp/formValidationjs.html? ☆

[Submit Form](#)

Username	<input type="text"/>
Password	<input type="password"/>
Confirm Password	<input type="password"/>
Firstname	<input type="text"/>
Lasttname	<input type="text"/>
Age	<input type="text"/>
Email	<input type="text"/>
Phone	<input type="text"/>
Fax	<input type="text"/>
Date of birth	<input type="text"/>
Website	<input type="text"/>
Country	<input type="text" value="--select--"/>
gender	<input type="radio"/> Male <input type="radio"/> Female
Disclaimer	<input type="checkbox"/>



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C:/Users/SHREE%20RAM/Desktop/wp/formValidationjs.html?

Responsive ▾ 454 x 773

**This page says**  
Your Data Has Been Validated!!!!

[Submit Form](#)

OK

Username: nilesh123456  
Password: .....  
Confirm Password: .....  
Firstname: nilesh  
Lasttname: navalkar  
Age: 22  
Email: n@gmail.com  
Phone: 9864343  
Fax: zzzzzzzzzzz  
Date of birth: 12-1-2  
Website: www.www.com  
Country: China  
gender: ☒ Male ☐ Female  
Disclaimer: ☒  
[Submit Form](#)

Styles Event Listeners

Filter

element.style {  
align-content: center;  
}

\* {  
margin: 10px 10px;  
}

\*, ::after, ::before  
box-sizing: border-box;  
}

div {  
display: block;  
}

Inherited from body

body {  
margin: 0;  
}

Console

top

GET file:///C:/Users/SHREE%20RAM/Desktop/wp/formValidationjs.html net::ERR\_FILE\_NOT\_FOUND  
GET file:///C:/Users/SHREE%20RAM/Desktop/wp/%PUBLIC\_URL% net::ERR\_FILE\_NOT\_FOUND

## SOURCE CODE:

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="utf-8" />
    <link rel="icon" href="%PUBLIC_URL%/favicon.ico" />
    <meta name="viewport" content="width=device-width, initial-scale=1" />
    <meta name="theme-color" content="#000000" />
    <meta
      name="description"
      content="Web site created using create-react-app"
    />
    <link rel="apple-touch-icon" href="%PUBLIC_URL%/logo192.png" />

    <link rel="manifest" href="%PUBLIC_URL%/manifest.json" />
    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.css"
      rel="stylesheet" integrity="sha384-
      1BmE4kBQ78iYhF1dvKuhfTAU6auU8tT94WrHftjDbrCEXSU1oBoqyl2QvZ6jIW3" crossorigin="anonymous">

    <title>exp5</title>
    <style>
      *{
        margin: 10px 10px;
```

```
    }
  </style>
</head>
<body>
  <div style="align-content:center">
    <form onsubmit="return false" style="background-color: rgb(233, 233, 248); max-width:
400px;overflow: hidden;border: blue solid 1px;">
      <h5 style="color:blue;text-align: center;"><u>Submit Form</u></h5>
      <hr style="border:blue solid 1px ;">

      <div class="row">
        <label for="un" class="col-5">Username</label>
        <input type="text" id="un" class="col-auto">
      </div>

      <div class="row">
        <label for="pass" class="col-5">Password</label>
        <input type="password" id="pass" class="col-auto">
      </div>

      <div class="row">
        <label for="cpass" class="col-5">Confirm Password</label>
        <input type="password" id="cpass" class="col-auto">
      </div>

      <div class="row">
        <label for="fn" class="col-5">Firstname</label>
        <input type="text" id="fn" class="col-auto">
      </div>

      <div class="row">
        <label for="ln" class="col-5">Lasttname</label>
        <input type="text" id="ln" class="col-auto">
      </div>

      <div class="row">
        <label for="age" class="col-5">Age</label>
        <input type="text" id="age" class="col-auto">
      </div>

      <div class="row">
        <label for="em" class="col-5">Email</label>
        <input type="text" id="em" class="col-auto">
      </div>

      <div class="row">
        <label for="phone" class="col-5">Phone</label>
        <input type="text" id="phone" class="col-auto">
      </div>

      <div class="row">
        <label for="fax" class="col-5">Fax</label>
        <input type="text" id="fax" class="col-auto">
      </div>

      <div class="row">
        <label for="dob" class="col-5">Date of birth</label>
        <input type="text" id="dob" class="col-auto">
      </div>
    </form>
  </div>
</body>
</html>
```

```

<div class="row">
  <label for="web" class="col-5">Website</label>
  <input type="text" id="web" class="col-auto">
</div>

<div class="row">
  <label for="country" class="col-5">Country</label>
  <select id="country" class="col-auto">
    <option value="">--select--</option>
    <option value="1">India</option>
    <option value="2">China</option>
    <option value="3">Japan</option>
    <option value="4">USA</option>
    <option value="5">UK</option>
  </select>
</div>

<div class="row">
  <label for="gender" class="col-5">gender</label>
  <div class="col-auto">
    <input type="radio" name="rdio" id="r1" ><label for="r1" >Male</label>
    <input type="radio" name="rdio" id="r2" ><label for="r2" >Female</label>
  </div>
</div>

<div class="row">
  <label for="check" class="col-5">Disclaimer</label>
  <input type="checkbox" id="check" class="col-auto" >
</div>

<div class="row">
  <div class="col-3"></div>
  <button class="col-4" onclick="validate()" >Submit Form</button>
</div>

</form>

</div>
<script>

function validate()
{
  let u=document.getElementById("un").value;
  let p=document.getElementById("pass").value;
  let cp=document.getElementById("cpass").value;
  let fn=document.getElementById("fn").value;
  let age=document.getElementById("age").value;
  let em=document.getElementById("em").value;
  let phone=document.getElementById("phone").value;
  let dob=document.getElementById("dob").value;
  let web=document.getElementById("web").value;
  let country=document.getElementById("country").value;
  let check=document.getElementById("check");
  let gmale=document.getElementById("r1");
  let gfemale=document.getElementById("r2");

  if(u.length<7 || u.length>12)

```

```
{
    alert("username too small");
}
else if(p.length<5 || p.length>10)
{
    alert("password too small");
}
else if(p!=cp)
{
    alert("password dont match");
}
else if(/^[a-zA-Z]/.test(fn) || !fn)
{
    alert("name must be non empty non numeric");
}
else if(age<22 || isNaN(age))
{
    alert("age must be number greater than 22");
}
else if(!/[a-zA-Z0-9._-]+@[a-zA-Z0-9._-]+\.[a-zA-Z]{2,4}$/i.test(em) || !em)
{
    alert("enter a valid email");
}
else if(isNaN(phone) || !phone)
{
    alert("phone number must be number and cannot be empty");
}
else if(!Date.parse(dob) || !dob)
{
    alert("dob must be number and cannot be empty");
}
else if(!/[a-zA-Z0-9]+\.[a-zA-Z0-9._-]+\.[a-zA-Z]/i.test(web) || !web)
{
    alert("enter a valid website");
}
else if(!country)
{
    alert("select a country");
}
else if(!gmale.checked && !female.checked)
{
    alert("please select gender");
}
else if(!check.checked)
{
    alert("please tick to proceed");
}
else
    alert("Your Data Has Been Validated!!!!");
}

</script>

<script src="./build/bundle.js"></script>
</body>
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/js/bootstrap.bundle.min.js"
integrity="sha384-ka7Sk0Gln4gmtz2MlQnikT1wXgYs0g+OMhuP+IlrH9sENB00LRn5q+8nbTov4+1p"
crossorigin="anonymous"></script>

</html>
```