National Institute of Technology, Tiruchirappalli

Department of Computer Applications

Web Technology and its Applications Lab
Lab 5

Submitted to:

Dr. Balaji Banothu

Submitted by:

Akriti Upadhyay

205120007

MCA – 2nd Year

Write JavaScript to validate the following fields of the Registration page.

1. First Name (Name should contain alphabets and the length should not be less than 6 characters).

2. Password (Password should not be less than 6 characters length).

3. E-mail id (should not contain any invalid and must follow the standard pattern name@domain.com)

4. Mobile Number (Phone number should contain 10 digits only).

5. Last Name and Address (should not be Empty).

```html
<!DOCTYPE html>

<html lang="en">

<head>

    <style>

        body{

            margin: 40px;

            background-color: blanchedalmond;

            display: flex;

            justify-content: center;

        }

        h1{

            background-color: yellow;

            padding: 20px;

            border-radius: 2rem;
```

```css
        }

        .input-field{

            border-radius: 1rem;

            padding: 10px;

            margin-top: 5px;

        }

        label{

            font-size: 20px;

        }

        #btn{

            padding: 5px;

            margin: 10px;

            width: 100px;

            font-size: 20px;

            background-color: aqua;

        }

    </style>

    <title>Registeration Page</title>

</head>

<body>

    <br>

    <div>

        <h1>REGISTRATION FORM</h1>

        <div>

            <form action="">
```
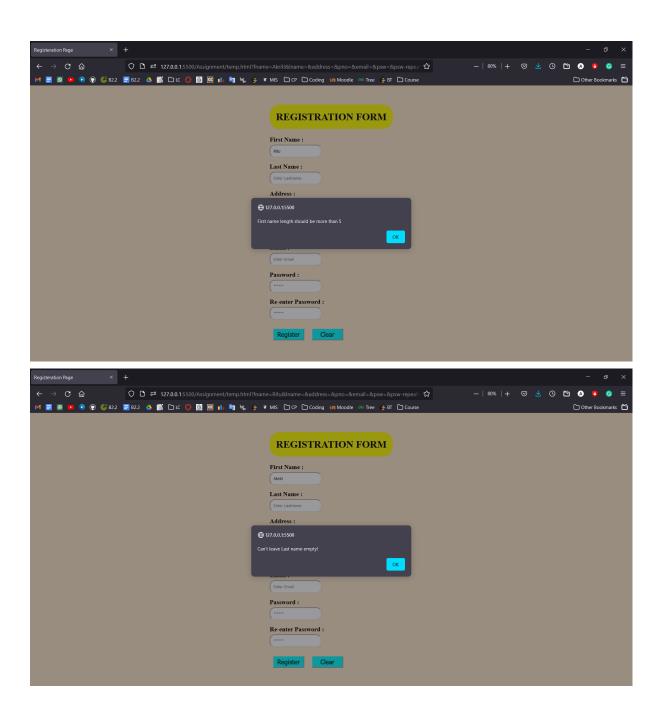
```html
<label for="fname"><b>First Name : </b></label><br>

<input class="input-field" type="text"
placeholder="Enter Firstname " name="fname"

id="fname" onchange="return validateName()">

<br>

<br>

<label for="lname"><b>Last Name : </b></label><br>

<input class="input-field" type="text"
placeholder="Enter Lastname " name="lname"

id="lname">

<br>

<br>

<label for="address"><b>Address : </b></label><br>

<input class="input-field" type="text"
placeholder="Enter Address" name="address"

id="address" onchange="return validateAdd()"

required>

<br>

<br>

<label for="address"><b>Phone Number : </b></label><br>

<input class="input-field" type="text"
placeholder="Enter Phone Number" name="pno"

id="pno" onchange="return validatePno()"

required>

<br>

<br>

<label for="email"><b>Email : </b></label><br>
```

```html
            <input class="input-field" type="text"
placeholder="Enter Email" name="email" id="email"

            onchange="return validateEmail()"

            required>

            <br>

            <br>

            <label for="psw"><b>Password : </b></label><br>

            <input class="input-field" type="password"
placeholder="****" name="psw" id="psw"

            onchange="return validatePwd()"

            required>

            <br>

            <br>

            <label for="psw-repeat"><b>Re-enter Password :
</b></label><br>

            <input class="input-field" type="password"
placeholder="****" name="psw-repeat"

            id="psw-repeat"

            onchange="return confirmPwd()"

            required>

            <br>

            <br>

            <button type="Submit" id=btn onclick="return

            validate()">Register</button>

            <button type="reset" id=btn>Clear</button>

        </form>

    </div>
```
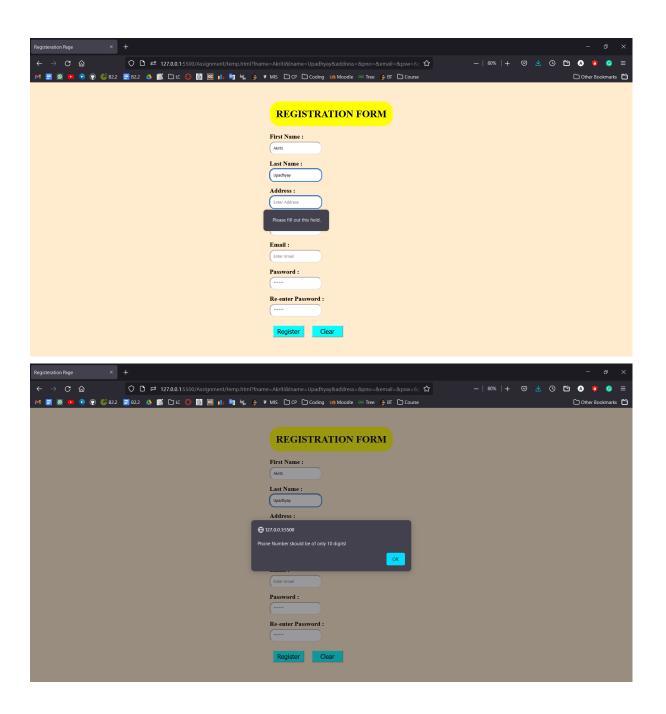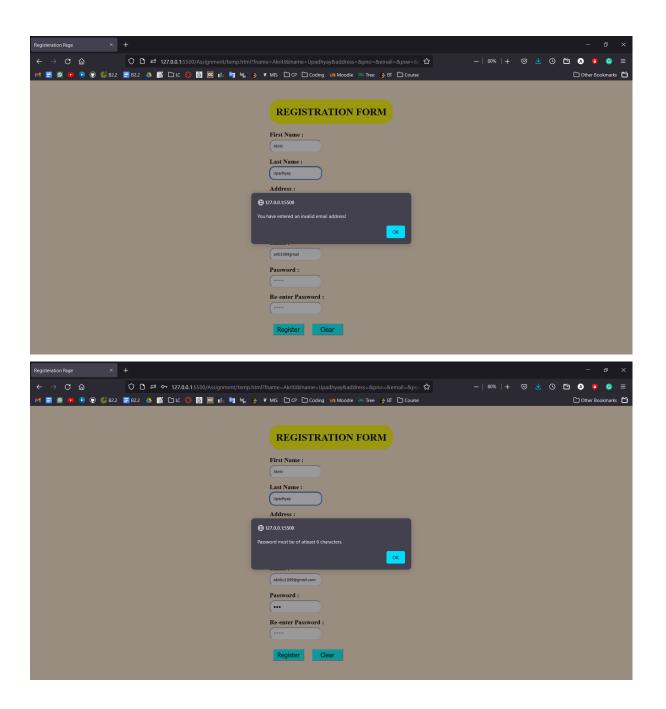
```html
        </div>

        <script>

            function isAlpha(str) {

                return /^[a-zA-Z]+$/.test(str);

            }

            function isNumber(str) {

                return /^[0-9]+$/.test(str);

            }

            function validatePno() {

                var pno = document.getElementById("pno").value;

                if (pno.length != 10)

                alert("Phone Number should be of only 10 digits!");

                else if (!isNumber(pno))

                alert("Enter a valid Phone number");

                return false;

            }

            function validateName() {

                var fname = document.getElementById("fname").value;

                var lname = document.getElementById("lname").value;

                console.log("hello");

                if (!isAlpha(fname))

                alert("First name should contain only alphabets!");

                else if (fname.length < 6)

                alert("First name length should be more than 5");

                else if (lname == "")

        <script>
```

```javascript
        alert("Can't leave Last name empty!");

        else

        return true;

        return false;

    }

    function validateAdd() {

        var address = document.getElementById("address").value;

        if (address == "")

        alert("Can't leave address empty!");

        return false;

    }

    function validateEmail() {

        var email = document.getElementById("email").value;

        if
(/^\w+([\.-]?\w+)*@\w+([\.-]?\w+)*(\.\w{2,3})+$/.test(email))

        return true;

        alert("You have entered an invalid email address!");

        return false;

    }

    function validatePwd() {

        var paswd =
/^(?=.*[0-9])(?=.*[!@#$%^&*])[a-zA-Z0-9!@#$%^&*]{7,15}$/;

        var pwd = document.getElementById("psw").value;

        if (pwd.length < 6)

        alert("Password must be of atleast 6 characters.");

        else if (!pwd.match(paswd))
```

```
                alert("Password should contain special characters,
digit,letters");

                return false;

        }

        function confirmPwd() {

                var pwd = document.getElementById("psw").value;

                var cwd = document.getElementById("psw-repeat").value;

                if (pwd != cwd)

                alert("Password doesn't match!");

                return false;

        }

        function validate() {

                alert("You are successfully registered!");

                return true;

        }

    </script>

</body>

</html>
```

127.0.0.1:5500/Assignment/temp.html?fname=Akriti&lname=&address=&pno=&email=&psw=&psw-repea

REGISTRATION FORM

First Name :

Ritu

Last Name :

Enter Lastname

Address :

127.0.0.1:5500

First name length should be more than 5

OK

Enter Email

Password :

****

Re-enter Password :

****

Register   Clear

127.0.0.1:5500/Assignment/temp.html?fname=Ritu&lname=&address=&pno=&email=&psw=&psw-repeat

REGISTRATION FORM

First Name :

Akriti

Last Name :

Enter Lastname

Address :

127.0.0.1:5500

Can't leave Last name empty!

OK

Enter Email

Password :

****

Re-enter Password :

****

Register   Clear

127.0.0.1:5500/Assignment/temp.html?fname=Akriti&lname=Upadhyay&address=&pno=&email=&psw=&

80% +

Other Bookmarks

REGISTRATION FORM

First Name :
Akriti

Last Name :
Upadhyay

Address :
Enter Address

Please fill out this field.

Email :
Enter Email

Password :
••••

Re-enter Password :
••••

Register   Clear

127.0.0.1:5500/Assignment/temp.html?fname=Akriti&lname=Upadhyay&address=&pno=&email=&psw=&

80% +

Other Bookmarks

REGISTRATION FORM

First Name :
Akriti

Last Name :
Upadhyay

Address :

⊕ 127.0.0.1:5500

Phone Number should be of only 10 digits!

OK

Email :
Enter Email

Password :
••••

Re-enter Password :
••••

Register   Clear

REGISTRATION FORM

First Name :

Akriti

Last Name :

Upadhyay

Address :

127.0.0.1:5500

You have entered an invalid email address!

OK

ariti1099gmail

Password :

••••

Re-enter Password :

••••

Register   Clear

REGISTRATION FORM

First Name :

Akriti

Last Name :

Upadhyay

Address :

127.0.0.1:5500

Password must be of atleast 6 characters.

OK

akritiu1099@gmail.com

Password :

•••

Re-enter Password :

••••

Register   Clear

127.0.0.1:5500/Assignment/temp.html?fname=Akriti&lname=Upadhyay&address=&pno=&email=&psw

Other Bookmarks

REGISTRATION FORM

First Name :

Akriti

Last Name :

Upadhyay

Address :

127.0.0.1:5500

Password should contain special characters, digit,letters

OK

akritiu1099@gmail.com

Password :

••••••

Re-enter Password :

••••

Register   Clear

REGISTRATION FORM

First Name :

Akriti

Last Name :

Upadhyay

127.0.0.1:5500

Password doesn't match!

☐ Don't allow 127.0.0.1:5500 to prompt you again

OK

akriti1099@gmail.com

Password :

••••••

Re-enter Password :

•••

Register   Clear

X-X-X-X