

EXPERIMENT-2

WEB PAGE USING JAVASCRIPT

AIM:

To validate the user input in the Registration page using JavaScript, ensuring that all fields meet the required rules for correctness and format before form submission.

ALGORITHM:

- 1. Start**
2. Get the values of all fields from the registration form:
 - First Name
 - Last Name
 - Password
 - Email
 - Mobile Number
 - Address
- 3. Validate First Name**
 - Check if it contains only alphabets.
 - Check if the length is **≥ 6 characters**.
 - If not valid, show an error message and stop.
- 4. Validate Password**
 - Check if the length is **≥ 6 characters**.
 - If not valid, show an error message and stop.
- 5. Validate Email**
 - Check if it matches the standard pattern **name@domain.com**
 - If not valid, show an error message and stop.
- 6. Validate Mobile Number**
 - Check if it contains only digits.
 - Check if the length is exactly **10 digits**.
 - If not valid, show an error message and stop.
- 7. Validate Last Name**
 - Check if it is not empty.
 - If empty, show an error message and stop.
- 8. Validate Address**
 - Check if it is not empty.
 - If empty, show an error message and stop.
9. If all fields are valid:
 - Display message: **“Form Submitted Successfully!”**
- 10. End**

CODE:**Register.html:**

```
<!DOCTYPE html>

<html>
<head>
<title>Register</title>
<style>
body{
background-color: grey;
font-family: Arial, Helvetica, sans-serif;
}

table{
background-color: white;
padding: 25px;
border-radius: 10px;
}

td{
padding: 8px;
}

input, textarea{
width: 220px;
padding: 6px;
}

button{
padding: 8px 20px;
```

```
    font-size: 14px;  
    cursor: pointer;  
}  
</style>  
</head>  
  
<body>  
  
<h2 align="center">Registration Form</h2>  
  
<form onsubmit="return validateForm()" action="#">  
    <table align="center">  
        <tr>  
            <td>First Name</td>  
            <td><input type="text" id="fname"></td>  
        </tr>  
  
        <tr>  
            <td>Last Name</td>  
            <td><input type="text" id="lname"></td>  
        </tr>  
  
        <tr>  
            <td>Password</td>  
            <td><input type="password" id="password"></td>
```

```
</tr>

<tr>
    <td>Email</td>
    <td><input type="text" id="email"></td>
</tr>

<tr>
    <td>Mobile Number</td>
    <td><input type="text" id="mobile"></td>
</tr>

<tr>
    <td>Address</td>
    <td><textarea id="address"></textarea></td>
</tr>

<tr>
    <td colspan="2" align="center">
        <button type="submit">Register</button>
    </td>
</tr>
</table>
</form>
```

```
<script>

function validateForm() {

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

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

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

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

    var mobile = document.getElementById("mobile").value.trim();

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

    var namePattern = /^[A-Za-z]{6,}$/;

    if (!namePattern.test(fname)) {

        alert("First Name must contain only alphabets and minimum 6 characters");

        return false;

    }

    if (password.length < 6) {

        alert("Password must be at least 6 characters long");

        return false;

    }

    var emailPattern = /^[^@\s]+@[^\s@]+\.[^\s@]+\$/;

    if (!emailPattern.test(email)) {

        alert("Please enter a valid Email ID");

        return false;

    }

    var mobilePattern = /^[0-9]{10}\$/;

    if (!mobilePattern.test(mobile)) {
```

```
        alert("Mobile Number must contain exactly 10 digits");

        return false;
    }

    if (lname === "") {
        alert("Last Name should not be empty");
        return false;
    }

    if (address === "") {
        alert("Address should not be empty");
        return false;
    }

    alert("Registration Successful!");

    window.location.href = "My_page.html?email=" + encodeURIComponent(email) + "&mobile=" +
    encodeURIComponent(mobile);

    return false;
}

</script>

</body>
</html>

My_page.html:
```

```
<!DOCTYPE html>

<html>
<head>
    <title>Registration Success</title>
    <style>
        body{
            background-color: grey;
            font-family: Arial, Helvetica, sans-serif;
            text-align: center;
            padding-top: 100px;
        }

        .box{
            background-color: white;
            padding: 30px;
            width: 400px;
            margin: auto;
            border-radius: 10px;
        }

        h2{
            color: green;
        }
    </style>
</head>
```

```
<body>

<div class="box">
    <h2>Registration Successfull</h2>
    <div id="details"></div>
</div>

<script>
    // Read URL parameters
    const params = new URLSearchParams(window.location.search);
    const email = params.get("email");
    const mobile = params.get("mobile");

    // Display on page
    document.getElementById("details").innerHTML =
        "Email ID: " + email + "<br>" +
        "Phone Number: " + mobile;
</script>

</body>
</html>
```

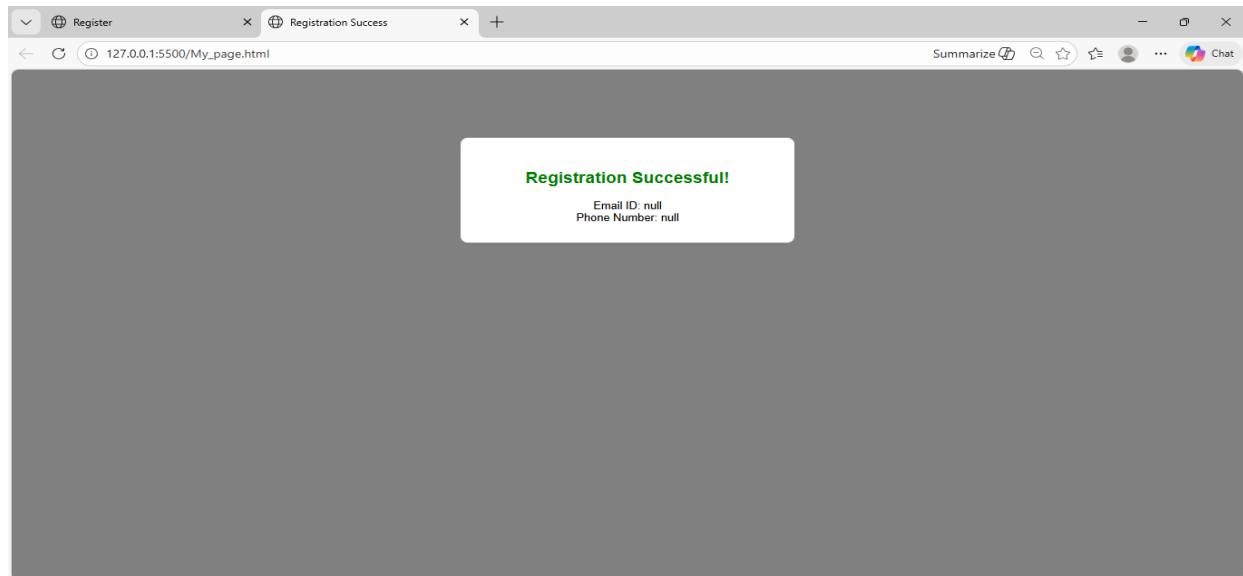
OUTPUT - 1:

A screenshot of a web browser window titled "Register". The address bar shows the URL "127.0.0.1:5500/Register.html". The main content is a "Registration Form" with the following fields:

- First Name
- Last Name
- Password
- Email
- Mobile Number
- Address

Each field has a corresponding input box. At the bottom is a "Register" button.

OUTPUT-2:



RESULT:

Thus the webpage is created using JavaScript(JS)

