

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 Successful!</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>" +
```

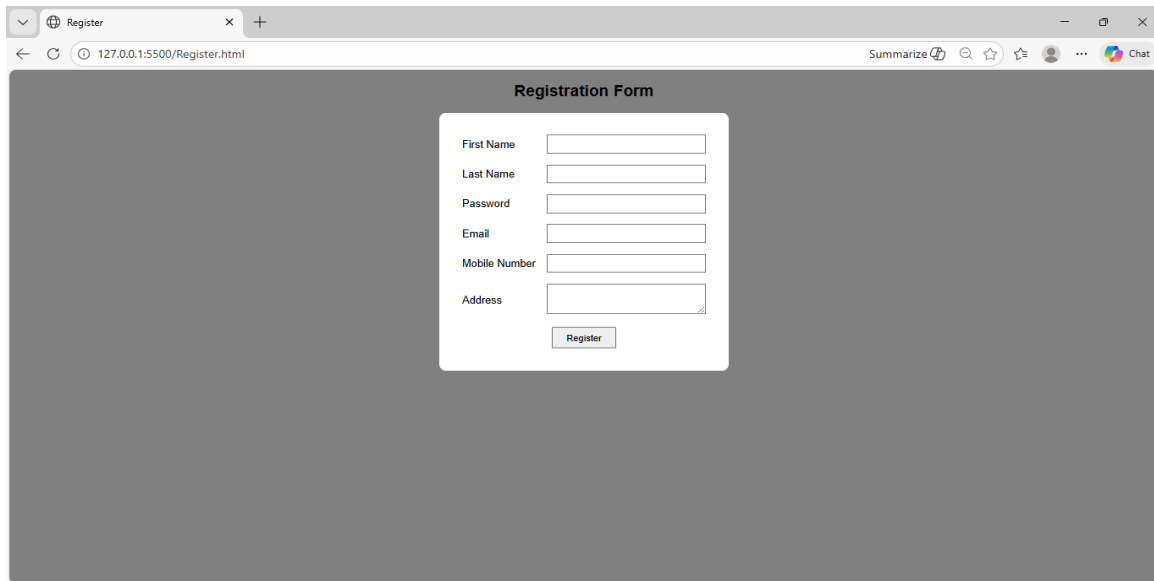
```
"Phone Number: " + mobile;
```

```
</script>
```

```
</body>
```

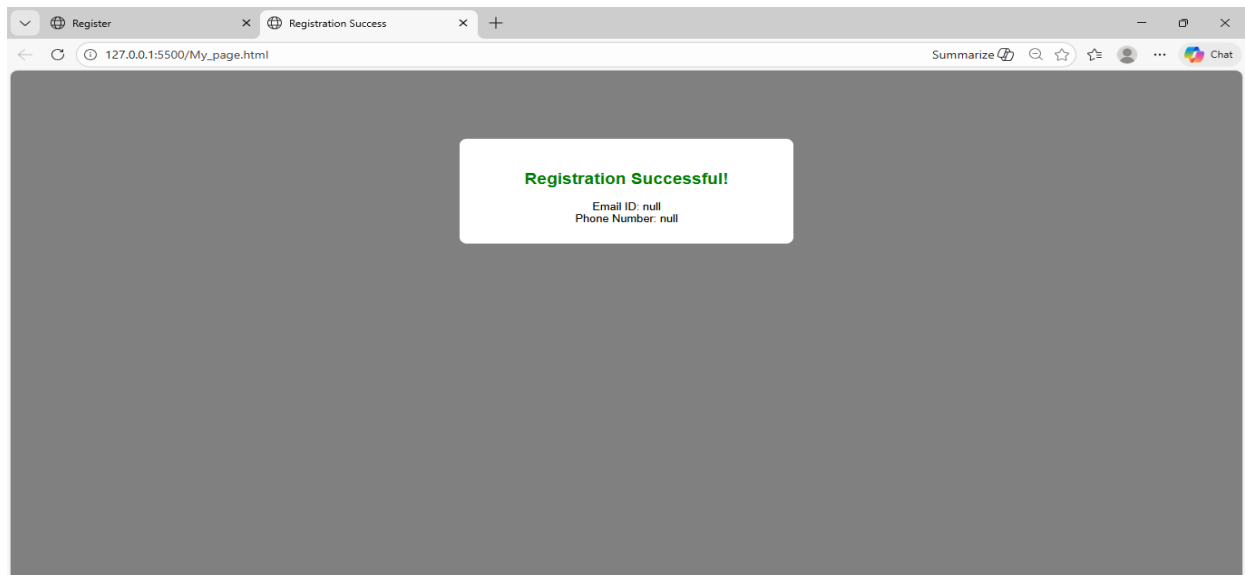
```
</html>
```

OUTPUT - 1:



A screenshot of a web browser window. The address bar shows the URL "127.0.0.1:5500/Register.html". The page title is "Register". The main content area has a dark gray background. In the center, there is a white box titled "Registration Form". Inside this box, there are six input fields labeled "First Name", "Last Name", "Password", "Email", "Mobile Number", and "Address". Below these fields is a "Register" button.

OUTPUT-2:



A screenshot of a web browser window. The address bar shows the URL "127.0.0.1:5500/My_page.html". The page title is "Registration Success". The main content area has a dark gray background. In the center, there is a white box with the text "Registration Successfull!" in green. Below this text, it says "Email ID: null" and "Phone Number: null".

RESULT:

Thus the webpage is created using JavaScript(JS)

