EXP NO: 2	JavaScript Form Validation for Registration Page

AIM:

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

a) First Name (Name should contains alphabets and the length

Should not be less than 6 characters).

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

c) E-mail id (should not contain any invalid and must follow the

standard pattern name@domain.com)

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

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

CODE:

Validate.html

```html
<!DOCTYPE html>
<html>
<head>
   <title>Registration Form</title>
   <style>
     body {
        font-family: Arial, sans-serif;
        background-color: #f2f2f2;
        display: flex;
        flex-direction: column;
        align-items: center;
        padding: 20px;


     }


     form {
        background-color: white;
        padding: 20px;
        padding-right: 30px;
        border-radius: 10px;
```

```css
    box-shadow: 0 0 10px rgba(0,0,0,0.1);
    width: 320px;
}

label {
    font-weight: bold;
}

input, textarea {
    width: 100%;
    margin-top: 5px;
    margin-bottom: 10px;
    padding: 8px;
    border: 1px solid #ccc;
    border-radius: 6px;
}

.error-message {
    color: red;
    font-size: 13px;
    margin-bottom: 10px;
}

input[type="submit"] {
    background-color: #4CAF50;
    color: white;
    cursor: pointer;
    font-weight: bold;
    border: none;
}

input[type="submit"]:hover {
    background-color: #45a049;
}

h1 {
    margin-bottom: 20px;
```

```html
      }
    </style>
</head>
<body>
    <h1>Registration Form</h1>
    <form name="RegForm" onsubmit="return validateForm()">
        <label for="firstname">First Name:</label>
        <input type="text" id="firstname" name="firstname" required>
        <span id="firstname-error" class="error-message"></span>

        <label for="lastname">Last Name:</label>
        <input type="text" id="lastname" name="lastname" required>
        <span id="lastname-error" class="error-message"></span>

        <label for="password">Password:</label>
        <input type="password" id="password" name="password" required>
        <span id="password-error" class="error-message"></span>

        <label for="email">Email:</label>
        <input type="text" id="email" name="email" required>
        <span id="email-error" class="error-message"></span>

        <label for="phone">Phone Number:</label>
        <input type="tel" id="phone" name="phone" required>
        <span id="phone-error" class="error-message"></span>

        <label for="address">Address:</label>
        <textarea id="address" name="address" required></textarea>
        <span id="address-error" class="error-message"></span>

        <input type="submit" value="Submit">
    </form>

    <script>
        function validateForm() {
            let isValid = true;
```
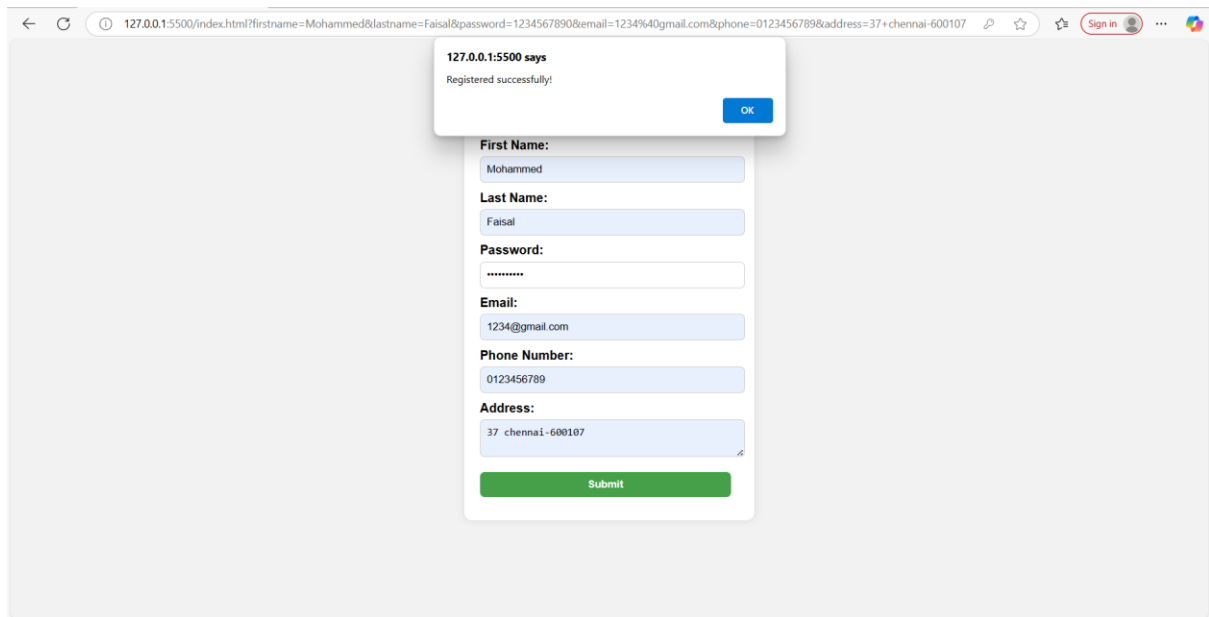
```javascript
let firstname = document.getElementById("firstname").value.trim();
let lastname = document.getElementById("lastname").value.trim();
let password = document.getElementById("password").value;
let email = document.getElementById("email").value.trim();
let phone = document.getElementById("phone").value.trim();
let address = document.getElementById("address").value.trim();


const firstnameError = document.getElementById("firstname-error");
const lastnameError = document.getElementById("lastname-error");
const passwordError = document.getElementById("password-error");
const emailError = document.getElementById("email-error");
const phoneError = document.getElementById("phone-error");
const addressError = document.getElementById("address-error");


firstnameError.textContent = "";
lastnameError.textContent = "";
passwordError.textContent = "";
emailError.textContent = "";
phoneError.textContent = "";
addressError.textContent = "";


if (!/^[A-Za-z]{6,}$/.test(firstname)) {
    firstnameError.textContent = "First Name must be alphabetic and at least 6 characters.";
    isValid = false;
}


if (lastname === "") {
    lastnameError.textContent = "Last Name should not be empty.";
    isValid = false;
}
```

```javascript
      if (password.length < 6) {
        passwordError.textContent = "Password must be at least 6 characters.";
        isValid = false;
      }



      const emailPattern = /^[a-zA-Z0-9._%+-]+@[a-zA-Z0-9.-]+\.[a-zA-Z]{2,}$/;
      if (!emailPattern.test(email)) {
        emailError.textContent = "Invalid email format (e.g., name@domain.com).";
        isValid = false;
      }



      if (!/^\d{10}$/.test(phone)) {
        phoneError.textContent = "Phone number must be exactly 10 digits.";
        isValid = false;
      }

      if (address === "") {
        addressError.textContent = "Address should not be empty.";
        isValid = false;
      }

      if (isValid) {
        alert("Registered successfully!");
      }

      return isValid;
    }
  </script>
</body>
</html>
```

OUTPUT:

Registration Form

First Name:

Last Name:

Password:

Email:

Phone Number:

Address:

Submit

Registration Form

First Name:

Mohammed

Last Name:

Faisal

Password:

••••••••••

Email:

1234@gmail.com

Phone Number:

0123456789

Address:

37 chennai-600107

Submit

RESULT:

      The Registration form with required validation is successfully implemented.

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