

EX NO:02

REGISTRATION FORM

AIM:

To create a user-friendly registration form with proper input validation for fields like First Name, Last Name, Password, E-mail, Mobile Number, and Address. The form ensures all fields meet specific requirements, such as correct format and length, while providing a clean and responsive design.

CODE:

(index.html)

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
  <meta charset="UTF-8">
```

```
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```
  <title>Registration Form</title>
```

```
  <link rel="stylesheet" href="style.css"> <!-- Link to external CSS file -->
```

```
  <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.15.4/css/all.min.css"> <!-- Font Awesome icons -->
```

```
</head>
```

```
<body>
```

```
  <div class="form-container">
```

```
    <h2>Registration Form</h2>
```

```
    <form onsubmit="return validateForm()">
```

```
      <div class="form-group">
```

```
        <label for="firstName">First Name:</label>
```

```
<div class="input-icon">
  <input type="text" id="firstName" name="firstName" placeholder="Enter your
first name">
  <i class="fas fa-user"></i>
</div>
</div>
```

```
<div class="form-group">
  <label for="lastName">Last Name:</label>
  <div class="input-icon">
    <input type="text" id="lastName" name="lastName" placeholder="Enter your
last name">
    <i class="fas fa-user"></i>
  </div>
</div>
```

```
<div class="form-group">
  <label for="password">Password:</label>
  <div class="input-icon">
    <input type="password" id="password" name="password" placeholder="Enter
your password">
    <i class="fas fa-lock"></i>
  </div>
</div>
```

```
<div class="form-group">
  <label for="email">E-mail:</label>
  <div class="input-icon">
```

```
        <input type="email" id="email" name="email" placeholder="Enter your email address">
```

```
        <i class="fas fa-envelope"></i>
```

```
    </div>
```

```
</div>
```

```
<div class="form-group">
```

```
    <label for="mobileNumber">Mobile Number:</label>
```

```
    <div class="input-icon">
```

```
        <input type="text" id="mobileNumber" name="mobileNumber" placeholder="Enter your mobile number">
```

```
        <i class="fas fa-phone"></i>
```

```
    </div>
```

```
</div>
```

```
<div class="form-group">
```

```
    <label for="address">Address:</label>
```

```
    <div class="input-icon">
```

```
        <textarea id="address" name="address" placeholder="Enter your address"></textarea>
```

```
        <i class="fas fa-map-marker-alt"></i>
```

```
    </div>
```

```
</div>
```

```
    <button type="submit" class="submit-btn">Submit</button>
```

```
</form>
```

```
</div>
```

```
<script src="script.js"></script> <!-- Link to external JS file -->
```

```
</body>
```

```
</html>
```

```
(script.js)
```

```
// Function to validate the registration form
```

```
function validateForm() {
```

```
    // Get the input values
```

```
    var firstName = document.getElementById("firstName").value;
```

```
    var lastName = document.getElementById("lastName").value;
```

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

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

```
    var mobileNumber = document.getElementById("mobileNumber").value;
```

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

```
    // Regular expression for validating email
```

```
    var emailPattern = /^[a-zA-Z0-9._-]+@[a-zA-Z0-9.-]+\.[a-zA-Z]{2,6}$/;
```

```
    // Regular expression for validating mobile number (10 digits)
```

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

```
    // Validate First Name
```

```
    if (firstName.length < 6 || !/^[a-zA-Z]+$/.test(firstName)) {
```

```
        alert("First Name should contain only alphabets and be at least 6 characters long.");
```

```
        return false;
```

```
    }
```

```
    // Validate Last Name
```

```
    if (lastName.trim() === "") {
```

```
    alert("Last Name cannot be empty.");
    return false;
}

// Validate Password
if (password.length < 6) {
    alert("Password should be at least 6 characters long.");
    return false;
}

// Validate Email
if (!emailPattern.test(email)) {
    alert("Please enter a valid email address in the format: name@domain.com");
    return false;
}

// Validate Mobile Number
if (!mobilePattern.test(mobileNumber)) {
    alert("Mobile Number should contain exactly 10 digits.");
    return false;
}

// Validate Address
if (address.trim() === "") {
    alert("Address cannot be empty.");
    return false;
}
```

```
// If all validations pass  
return true;  
}
```

(style.css)

```
/* General Body Styles */  
body {  
    font-family: 'Roboto', sans-serif;  
    background: linear-gradient(135deg, #5f2c82, #49a09d);  
    color: #fff;  
    margin: 0;  
    padding: 0;  
    display: flex;  
    justify-content: center;  
    align-items: center;  
    height: 100vh;  
}
```

```
/* Form Container */  
.form-container {  
    background-color: #fff;  
    padding: 40px;  
    border-radius: 10px;  
    box-shadow: 0 6px 15px rgba(0, 0, 0, 0.2);  
    width: 100%;  
    max-width: 600px;  
    color: #333;
```

```
}
```

```
/* Heading */
```

```
h2 {
```

```
  text-align: center;
```

```
  font-size: 2.5em;
```

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

```
  color: #333;
```

```
}
```

```
/* Form Group */
```

```
.form-group {
```

```
  margin-bottom: 25px;
```

```
}
```

```
/* Label Styling */
```

```
label {
```

```
  display: block;
```

```
  font-size: 14px;
```

```
  color: #333;
```

```
  margin-bottom: 8px;
```

```
  font-weight: 600;
```

```
}
```

```
/* Input Fields with Icons */
```

```
.input-icon {
```

```
  position: relative;
```

```
  display: flex;
```

```
    align-items: center; /* Aligns icons and input text vertically */  
}
```

```
.input-icon input,  
.input-icon textarea {  
    width: 100%;  
  
    padding: 15px 15px 15px 40px; /* Add padding on the left for icon space */  
  
    border: 1px solid #ddd;  
  
    border-radius: 8px;  
  
    font-size: 16px;  
  
    color: #333;  
  
    box-sizing: border-box;  
  
    background-color: #f5f5f5;  
  
    transition: 0.3s;  
}
```

```
.input-icon input:focus,  
.input-icon textarea:focus {  
    border-color: #49a09d;  
  
    background-color: #fff;  
  
    outline: none;  
}
```

```
.input-icon i {  
    position: absolute;  
  
    left: 15px; /* Align icon to the left of the input field */  
  
    font-size: 18px;  
  
    color: #49a09d;
```



```
    pointer-events: none; /* Ensure icons don't interfere with text input */
    transform: none; /* Ensure no unwanted rotation */
}
```

```
/* Fix for the Phone Icon */
```

```
.input-icon i.fas.fa-phone {
    transform: none; /* Explicitly reset any transformations */
}
```

```
/* Focused Input Fields */
```

```
input[type="text"]:focus,
input[type="password"]:focus,
input[type="email"]:focus,
textarea:focus {
    border-color: #49a09d;
}
```

```
/* Button Styles */
```

```
.submit-btn {
    width: 100%;
    padding: 15px;
    background-color: #49a09d;
    color: white;
    font-size: 18px;
    border: none;
    border-radius: 8px;
    cursor: pointer;
    transition: background-color 0.3s;
```

```
}
```

```
.submit-btn:hover {  
    background-color: #5f2c82;  
}
```

```
/* Responsive Design */
```

```
@media screen and (max-width: 600px) {  
    .form-container {  
        width: 90%;  
        padding: 20px;  
    }  
}
```

```
/* Form Container Animation */
```

```
.form-container {  
    animation: fadeIn 1s ease-out;  
}
```

```
/* Fade-in Animation */
```

```
@keyframes fadeIn {  
    from {  
        opacity: 0;  
        transform: translateY(30px);  
    }  
    to {  
        opacity: 1;  
        transform: translateY(0);  
    }  
}
```

```
}  
}
```

OUTPUT:

The screenshot shows a web browser window with the title 'Registration Form'. The address bar shows '127.0.0.1:5500/index.html'. The background of the page is a gradient from purple on the left to blue on the right. In the center, there is a white card titled 'Registration Form'. The card contains the following fields:

- First Name:** A text input field with a person icon and the placeholder text 'Enter your first name'.
- Last Name:** A text input field with a person icon and the placeholder text 'Enter your last name'.
- Password:** A text input field with a lock icon and the placeholder text 'Enter your password'.
- E-mail:** A text input field with an envelope icon and the placeholder text 'Enter your email address'.
- Mobile Number:** A text input field with a mobile phone icon and the placeholder text 'Enter your mobile number'.
- Address:** A text input field with a location pin icon and the placeholder text 'Enter your address'.

At the bottom of the card is a green button with the text 'Submit'.