

# Experiment 2

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**SUBMITTED BY:**

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**HTML, Js CODE:**

```

1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>Validator</title>
7   <link rel="stylesheet" href="styles.css">
8 </head>
9 <body>
10   <div class="wrapper">
11     <div class="form-container">
12       <h2 class="title">Form Validator</h2>
13       <form id="form">
14         <div class="form-group">
15           <label for="name" class="form-label">Full Name :</label>
16           <input type="text" id="name" class="form-input" placeholder="Abhi Ram">
17         </div>
18         <div class="form-group">
19           <label for="age" class="form-label">Age:</label>
20           <input type="number" id="age" class="form-input" placeholder="25">
21         </div>
22         <div class="form-group">
23           <label for="email" class="form-label">Email:</label>
24           <input type="email" id="email" class="form-input" placeholder="
example@mail.com">
25         </div>
26         <div class="form-group">
27           <label for="mobile" class="form-label">Mobile:</label>
28           <input type="text" id="mobile" class="form-input" placeholder="9876543210">
29         </div>
30         <div class="form-group">
31           <label for="website" class="form-label">Website:</label>
32           <input type="url" id="website" class="form-input" placeholder="
https://example.com">
33         </div>
34         <button type="submit" class="submit-btn">Submit</button>
35         <div id="success-message" class="success-message">
Thank you! Your form has been submitted.</div>
36       </form>
37     </div>
38   </div>
39   <script>
40     document.getElementById("form").addEventListener("submit", function (e) {
41       e.preventDefault();
42       if (validateForm()) {
43         displaySuccessMessage();
44       }
45     });
46
47     function validateForm() {
48       const isValidName = validateName();
49       const isValidAge = validateAge();
50       const isValidEmail = validateEmail();
51       const isValidMobile = validateMobile();
52       const isValidWebsite = validateWebsite();
53
54       return isValidName && isValidAge && isValidEmail && isValidMobile && isValidWebsite;
55     }
56
57     function validateName() {
58       const name = document.getElementById("name");
59       const regex = /^[A-Za-z]{2,}[A-Za-z]{2,}$/;
60       return validateField(name, regex);
61     }
62
63     function validateAge() {
64       const age = document.getElementById("age");
65       if (age.value >= 18 && age.value <= 60) {
66         setValid(age);
67         return true;
68       } else {
69         setInvalid(age);
70         return false;
71       }
72     }
73
74     function validateEmail() {
75       const email = document.getElementById("email");
76       const regex = /^[^\s@]+@[^\s@]+\.[^\s@]+$/;
77       return validateField(email, regex);
78     }
79
80     function validateMobile() {
81       const mobile = document.getElementById("mobile");
82       const regex = /^[6-9]\d{9}$/;
83       return validateField(mobile, regex);
84     }
85
86     function validateWebsite() {
87       const website = document.getElementById("website");
88       const regex = /^(https?:\/\/)?([a-z.-]+\.[a-z]{2,6})(\/[w.-]+\/?)?$/;
89       return validateField(website, regex);
90     }
91
92     function validateField(input, regex) {
93       if (regex.test(input.value)) {
94         setValid(input);
95         return true;
96       } else {
97         setInvalid(input);
98         return false;
99       }
100     }
101
102     function setValid(input) {
103       input.classList.add("valid");
104       input.classList.remove("invalid");
105     }
106
107     function setInvalid(input) {
108       input.classList.add("invalid");
109       input.classList.remove("valid");
110     }
111
112     function displaySuccessMessage() {
113       document.getElementById("success-message").style.display = "block";
114       setTimeout(() => {
115         document.getElementById("success-message").style.display = "none";
116         const inputs = document.querySelectorAll(".form-input");
117         inputs.forEach(input => {
118           input.classList.remove("valid");
119           input.classList.remove("invalid");
120         });
121       }, 3000);
122     }
123   </script>
124 </body>
125 </html>
126

```

**CSS Code:**

```

1 body {
2   font-family: 'Poppins', sans-serif;
3   background: linear-gradient(135deg, #ff4881, #81d4fa);
4   height: 100vh;
5   display: flex;
6   justify-content: center;
7   align-items: center;
8   margin: 0;
9 }
10
11 .wrapper {
12   width: 100%;
13   max-width: 450px;
14   background-color: #ffffff;
15   border-radius: 15px;
16   padding: 30px;
17   box-shadow: 0px 20px 50px rgba(0, 0, 0, 0.2);
18   transform: scale(0.95);
19   transition: transform 0.3s ease-in-out;
20 }
21
22 .wrapper:hover {
23   transform: scale(1);
24 }
25
26 .form-container {
27   width: 100%;
28   position: relative;
29 }
30
31 .title {
32   text-align: center;
33   margin-bottom: 20px;
34   color: #333;
35   font-size: 24px;
36   font-weight: bold;
37   letter-spacing: 1px;
38   text-transform: uppercase;
39 }
40
41 .form-group {
42   margin-bottom: 20px;
43   position: relative;
44 }
45
46 .form-label {
47   display: block;
48   margin-bottom: 5px;
49   font-size: 14px;
50   font-weight: bold;
51   color: #444;
52   text-transform: uppercase;
53   letter-spacing: 0.5px;
54 }
55
56 .form-input {
57   width: 100%;
58   padding: 12px;
59   font-size: 16px;
60   border: 2px solid #ddd;
61   border-radius: 10px;
62   transition: all 0.3s ease;
63   background-color: #f7f7f7;
64   box-shadow: 0px 0px 10px rgba(0, 0, 0, 0.1);
65 }
66
67 .form-input:focus {
68   outline: none;
69   border-color: #ff4881;
70   box-shadow: 0px 0px 20px rgba(255, 64, 129, 0.4);
71   background-color: #ffffff;
72 }
73
74 .form-input.valid {
75   border-color: #4caf50;
76   background-color: #e8f5e9;
77   box-shadow: 0px 0px 15px rgba(76, 175, 80, 0.2);
78 }
79
80 .form-input.invalid {
81   border-color: #f44336;
82   background-color: #ffebee;
83   box-shadow: 0px 0px 15px rgba(244, 67, 54, 0.2);
84 }
85
86 .submit-btn {
87   width: 100%;
88   padding: 15px;
89   background-color: #f28c4d;
90   color: black;
91   border: none;
92   border-radius: 10px;
93   font-size: 18px;
94   text-transform: uppercase;
95   cursor: pointer;
96   box-shadow: 0px 5px 20px rgba(255, 64, 129, 0.5);
97   transition: all 0.3s ease;
98   position: relative;
99   overflow: hidden;
100   z-index: 1;
101 }
102
103 .submit-btn:before {
104   content: "";
105   position: absolute;
106   top: 0;
107   left: -100%;
108   width: 100%;
109   height: 100%;
110   background: rgba(255, 255, 0, 0.1);
111   transition: left 0.6s ease;
112   z-index: 0;
113 }
114
115 .submit-btn:hover:before {
116   left: -10%;
117 }
118
119 .submit-btn:hover {
120   background-color: #dbb48c;
121   box-shadow: 0px 5px 20px rgba(131, 255, 64, 0.7);
122 }
123
124 .submit-btn span {
125   position: relative;
126   z-index: 1;
127 }
128
129 .success-message {
130   display: none;
131   margin-top: 20px;
132   padding: 15px;
133   text-align: center;
134   background-color: #4caf50;
135   color: #fff;
136   border-radius: 5px;
137   font-weight: bold;
138   animation: fadeIn 0.6s ease-in-out;
139   box-shadow: 0px 5px 15px rgba(0, 0, 0, 0.1);
140 }
141
142 .form-input:focus + label {
143   color: #ff9800;
144 }
145
146 @keyframes fadeIn {
147   from {
148     opacity: 0;
149     transform: translate(20px);
150   }
151   to {
152     opacity: 1;
153     transform: translate(0);
154   }
155 }
156
157 .wrapper:hover {
158   box-shadow: 0px 30px 60px rgba(0, 0, 0, 0.3);
159 }
160

```

## Final Page:

The screenshot shows a web browser window with the address bar displaying '127.0.0.1:5500/index.html'. The page features a 'FORM VALIDATOR' centered on a white background with a pink-to-blue gradient. The form includes the following fields and values:

- FULL NAME :** Sai Kiran
- AGE:** 25
- EMAIL:** vickyirish12446@gmail.com
- MOBILE:** 08978846927
- WEBSITE:** https://youtube.com

A green 'SUBMIT' button is located at the bottom of the form.