

Experiment 2

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">
36          Thank you! Your form has been submitted.</div>
37        </form>
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]{1,}[A-Za-z]{2,}$/;
60          return validateField(name, regex);
61        }
62
63        function validateAge() {
64          const age = document.getElementById('age');
65          if (age.value >= 18 && age.value <= 60) {
66            setValid(age);
67            return true;
68          } else {
69            setInvalid(age);
70            return false;
71          }
72        }
73
74        function validateEmail() {
75          const email = document.getElementById('email');
76          const regex = /^[\w\.-]+@[^\w\.-]+\.\w{2,}\$/;
77          return validateField(email, regex);
78        }
79
80        function validateMobile() {
81          const mobile = document.getElementById('mobile');
82          const regex = /([6-9]\d{9})$/;
83          return validateField(mobile, regex);
84        }
85
86        function validateWebsite() {
87          const website = document.getElementById('website');
88          const regex = /(https?:\/\/)?([\da-z\.-]+\.[\da-z\.-]+\.[\w\.-]*)*\.\w{2,}\$/;
89          return validateField(website, regex);
90        }
91
92        function validateInput(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            document.getElementById('form').reset();
117            const inputs = document.querySelectorAll('.form-input');
118            inputs.forEach(input => {
119              input.classList.remove('valid');
120              input.classList.remove('invalid');
121            });
122          }, 3000);
123        }
124
125      </script>
126    </body>
127  </html>

```

CSS Code:

```

1  body {
2     font-family: 'Poppins', sans-serif;
3     background: linear-gradient(13deg, #ff4081, #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: 20px 20px 15px 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: 600;
51     color: #444;
52     text-transform: uppercase;
53     letter-spacing: 0.5px;
54  }
55
56 .form-input {
57     width: 100%;
58     padding: 10px;
59     font-size: 16px;
60     border: 2px solid #ddd;
61     border-radius: 5px;
62     transition: all 0.3s ease;
63     background-color: #fff7f7;
64     box-shadow: 0px 4px 15px rgba(0, 0, 0, 0.1);
65  }
66
67 .form-input:focus {
68     outline: none;
69     border-color: #ff4081;
70     box-shadow: 0px 4px 20px rgba(255, 64, 129, 0.4);
71     background-color: #ffffff;
72  }
73
74 .form-input.valid {
75     border-color: #4caf50;
76     background-color: #e0f5e9;
77     box-shadow: 0px 4px 15px rgba(76, 175, 80, 0.2);
78  }
79
80 .form-input.invalid {
81     border-color: #ff4343;
82     background-color: #ffebee;
83     box-shadow: 0px 4px 15px rgba(244, 67, 54, 0.2);
84  }
85
86 .submit-btn {
87     width: 100%;
88     padding: 15px;
89     background-color: #f2dc4e;
90     color: #333;
91     border: 1px solid #333;
92     border-radius: 5px;
93     font-size: 18px;
94     text-transform: uppercase;
95     cursor: pointer;
96     box-shadow: 0px 4px 15px 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: 300%;
109     height: 300%;
110     background-color: rgba(244, 255, 0, 0.1);
111     transition: left 0.6s ease;
112     z-index: 0;
113  }
114
115 .submit-btn:hover::before {
116     left: -100%;
117  }
118
119 .submit-btn span {
120     position: relative;
121     z-index: 1;
122  }
123
124 .success-message {
125     display: none;
126     margin-top: 20px;
127     padding: 15px;
128     text-align: center;
129     background-color: #4caf50;
130     color: #fff;
131     border-radius: 5px;
132     font-weight: bold;
133     animation: fadeIn 0.6s ease-in-out;
134     box-shadow: 0px 5px 15px rgba(0, 0, 0, 0.1);
135  }
136
137 .form-input:focus + label {
138     color: #ff9000;
139  }
140
141 @keyframes fadeIn {
142     from {
143         opacity: 0;
144     }
145     to {
146         opacity: 1;
147         transform: translateY(0);
148     }
149  }
150
151 .wrapper:hover {
152     box-shadow: 0px 30px 60px rgba(0, 0, 0, 0.3);
153  }
154
155

```

Final Page:

The screenshot shows a web browser window with a title bar indicating the URL is 127.0.0.1:5500/index.html. The main content is a form titled "FORM VALIDATOR". The form contains five input fields with labels: "FULL NAME:", "AGE:", "EMAIL:", "MOBILE:", and "WEBSITE:". The "FULL NAME:" field contains "Sai Kiran", "AGE:" contains "25", "EMAIL:" contains "vickyrishi2446@gmail.com", and "WEBSITE:" contains "https://youtube.com". The "MOBILE:" field contains "08978846927" and has a red border around it, suggesting it is an invalid input. Below the input fields is a large yellow "SUBMIT" button.