

ETHNUS -MERN FULL STACK INTERNSHIP

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ASSIGNMENT- 11

1. CODE:

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4  <title>Registration Form</title>
5  <style>
6    body {
7      font-family: Arial, sans-serif;
8      background-color: #f4f4f4;
9      display: flex;
10     justify-content: center;
11     align-items: center;
12     min-height: 100vh;
13     margin: 0;
14   }
15   .container {
16     background-color: #fff;
17     padding: 30px;
18     border-radius: 8px;
19     box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
20   }
21   h2 {
22     text-align: center;
23     margin-bottom: 20px;
24     color: #333;
25   }
26   .form-group {
27     margin-bottom: 15px;
28     display: flex;
29     align-items: center;
30   }
31   .form-group label {
32     width: 80px;
33     text-align: right;
34     margin-right: 10px;
35     color: #555;
36   }
37   .form-group input[type="text"],
```

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38 .form-group input[type="email"],
39 .form-group textarea {
40     flex: 1;
41     padding: 8px;
42     border: 1px solid red;
43     border-radius: 4px;
44     box-sizing: border-box;
45 }
46 .form-group textarea {
47     resize: vertical;
48     min-height: 80px;
49 }
50 .error-message {
51     color: red;
52     margin-left: 10px;
53     font-size: 0.9em;
54 }
55 .form-group input:invalid {
56     border-color: red;
57 }
58 .form-group textarea:invalid {
59     border-color: red;
60 }
61 .submit-button {
62     display: block;
63     width: 100px;
64     padding: 10px;
65     background-color: #4CAF50;
66     color: rgb(243, 238, 238);
67     border: none;
68     border-radius: 4px;
69     cursor: pointer;
70     font-size: 16px;
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71     margin-top: 20px;
72     margin-left: auto;
73     margin-right: auto;
74 }
75 .submit-button:hover {
76     background-color: #45a049;
77 }
78 </style>
```

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79 </head>
80 <body>
81 <div class="container">
82   <h2>Registration Form</h2>
83   <form>
84     <div class="form-group">
85       <label for="name">Name:</label>
86       <input type="text" id="name" name="name" required>
87       <span class="error-message">This field is required</span>
88     </div>
89     <div class="form-group">
90       <label for="email">Email:</label>
91       <input type="email" id="email" name="email" required>
92       <span class="error-message">A valid email address is required</span>
93     </div>
94     <div class="form-group">
95       <label for="website">Website:</label>
96       <input type="text" id="website" name="website" pattern="https?://.+&#x27;>Enter a valid URL (e.g., http://www.example.com)">
97       <span class="error-message">A valid url is required</span>
98     </div>
99     <div class="form-group">
100      <label for="message">Message:</label>
101      <textarea id="message" name="message" required></textarea>
102      <span class="error-message">This field is required</span>
103    </div>
104    <button type="submit" class="submit-button">Submit</button>
105  </form>
106 </div>
107 <script>
108   document.querySelector('form').addEventListener('submit', function(event) {
109     let isValid = true;
110     const nameInput = document.getElementById('name');
111     const nameError = nameInput.nextElementSibling;
112     if (nameInput.value.trim() === '') {
113       nameInput.style.borderColor = 'red';

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114     nameError.style.display = 'inline';
115     isValid = false;
116   } else {
117     nameInput.style.borderColor = '#ccc';
118     nameError.style.display = 'none';
119   }
120   const emailInput = document.getElementById('email');
121   const emailError = emailInput.nextElementSibling;
122   const emailRegex = /^[^\s@]+@[^\s@]+\.[^\s@]+$/;
123   if (!emailRegex.test(emailInput.value.trim())) {
124     emailInput.style.borderColor = 'red';
125     emailError.style.display = 'inline';
126     isValid = false;
127   } else {
128     emailInput.style.borderColor = '#ccc';
129     emailError.style.display = 'none';
130   }
131   const websiteInput = document.getElementById('website');
132   const websiteError = websiteInput.nextElementSibling;
133   const urlRegex = /^(https?|ftp):\/\/[^\s/$.?\#\&#x27;>[^\s]*$/i;
134   if (websiteInput.value.trim() !== '' && !urlRegex.test(websiteInput.value.trim())) {
135     websiteInput.style.borderColor = 'red';
136     websiteError.style.display = 'inline';
137     websiteError.textContent = 'A valid url is required';
138     isValid = false;

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139     } else {
140         websiteInput.style.borderColor = '#ccc';
141         websiteError.style.display = 'none';
142     }
143     const messageInput = document.getElementById('message');
144     const messageError = messageInput.nextElementSibling;
145     if (messageInput.value.trim() === '') {
146         messageInput.style.borderColor = 'red';
147         messageError.style.display = 'inline';
148         isValid = false;
149     } else {
150         messageInput.style.borderColor = '#ccc';
151         messageError.style.display = 'none';
152     }
153     if (!isValid) {
154         event.preventDefault();
155     } else {
156         alert('Form submitted successfully!');
157     }
158 });
159 document.querySelectorAll('input, textarea').forEach(input => {
160     input.addEventListener('input', function() {
161         const errorSpan = this.nextElementSibling;
162         if (errorSpan && errorSpan.classList.contains('error-message')) {
163             this.style.borderColor = '#ccc';
164             errorSpan.style.display = 'none';
165         }
166     });
167 });
168 </script>
169 </body>
170 </html>

```

OUTPUT:

Registration Form

Name:

This field is required

Email:

A valid email address is required

Website:

A valid url is required

Message:

This field is required

Submit