

DAY 32-1:

ASSIGNMENT 3: Task 3: Implement JavaScript form validations to provide immediate feedback on user input errors before submission.

ANSWER:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Contact Form with Validation</title>
  <style>
    /* Reset some default browser styles */
    body {
      margin: 0;
      font-family: Arial, sans-serif;
      background-image:
url('c:\Users\Administrator\Downloads\download.jpg'); /* Replace with your
image path */
      background-size: cover; /* Ensure the background image covers the
entire body */
      background-position: center; /* Center the background image */
      padding: 20px; /* Add padding to create space between content and
background */
      color: #0c0404; /* Default text color */
    }

    form {
      margin: 20px auto;
      max-width: 600px; /* Limit form width for better readability */
      background-color: rgba(153, 225, 238, 0.8); /* Semi-transparent
white background for form */
      padding: 20px;
      border-radius: 8px;
    }

    label {
      display: block;
      margin-bottom: 5px;
      color: #09080a; /* Adjust color to match branding */
    }

    input[type="text"],
    input[type="email"],
    textarea {
      width: 100%;
      padding: 8px;
      margin-bottom: 10px;
      border: 1px solid #ec95d2;
      border-radius: 4px;
      font-size: 14px;
    }
  </style>
</head>
<body>
  <div>
    <h2>Contact Us</h2>
    <div>
      <div>
        <input type="text" value="Name" />
        <input type="email" value="Email" />
        <input type="password" value="Password" />
        <input type="password" value="Confirm Password" />
      </div>
      <div>
        <input type="checkbox" value="Remember Me" /> Remember Me
      </div>
      <div>
        <input type="button" value="Sign In" />
        <input type="button" value="Sign Up" />
        <input type="button" value="Forgot Password" />
      </div>
    </div>
  </div>
</body>
</html>
```

```

    }

    textarea {
        resize: vertical; /* Allow vertical resizing of textarea */
    }

    button[type="submit"] {
        background-color: #759e77; /* Green background */
        color: rgb(21, 29, 54);
        padding: 10px 20px;
        border: none;
        border-radius: 4px;
        cursor: pointer;
        font-size: 16px;
    }

    button[type="submit"]:hover {
        background-color: #969c97; /* Darker green on hover */
    }

    #confirmation {
        display: none;
        background-color: rgba(110, 157, 165, 0.8); /* Semi-transparent
white background for confirmation message */
        padding: 10px;
        border-radius: 4px;
        margin-top: 10px;
    }

    .error {
        color: rgb(119, 15, 15);
        font-size: 12px;
        margin-top: 5px;
    }
}
</style>
</head>
<body>
    <form id="contactForm">
        <label for="name">Name:</label>
        <input type="text" id="name" name="name" required>
        <div id="nameError" class="error"></div>

        <label for="email">Email:</label>
        <input type="email" id="email" name="email" required>
        <div id="emailError" class="error"></div>

        <label for="message">Message:</label>
        <textarea id="message" name="message" rows="4" required></textarea>
        <div id="messageError" class="error"></div>

        <button type="submit">Submit</button>
    </form>

    <div id="confirmation">
        <p>Thank you for your message!</p>
    </div>

```

```
</div>
```

```
<script>
```

```
    // Function to validate email format
```

```
    function isValidEmail(email) {
```

```
        // Regular expression for basic email validation
```

```
        var emailRegex = /^[^\s@]+@[^\s@]+\.[^\s@]+$/;
```

```
        return emailRegex.test(email);
```

```
    }
```

```
    // Accessing the form and adding a submit event listener
```

```
    var form = document.getElementById('contactForm');
```

```
    form.addEventListener('submit', function(event) {
```

```
        event.preventDefault(); // Prevent default form submission
```

```
        // Reset previous error messages
```

```
        var nameError = document.getElementById('nameError');
```

```
        var emailError = document.getElementById('emailError');
```

```
        var messageError = document.getElementById('messageError');
```

```
        nameError.textContent = '';
```

```
        emailError.textContent = '';
```

```
        messageError.textContent = '';
```

```
        // Validate inputs
```

```
        var nameInput = document.getElementById('name');
```

```
        var emailInput = document.getElementById('email');
```

```
        var messageInput = document.getElementById('message');
```

```
        var isValid = true;
```

```
        if (nameInput.value.trim() === '') {
```

```
            nameError.textContent = 'Name is required';
```

```
            isValid = false;
```

```
        }
```

```
        if (emailInput.value.trim() === '') {
```

```
            emailError.textContent = 'Email is required';
```

```
            isValid = false;
```

```
        } else if (!isValidEmail(emailInput.value.trim())) {
```

```
            emailError.textContent = 'Invalid email format';
```

```
            isValid = false;
```

```
        }
```

```
        if (messageInput.value.trim() === '') {
```

```
            messageError.textContent = 'Message is required';
```

```
            isValid = false;
```

```
        }
```

```
        // If form is valid, submit it
```

```
        if (isValid) {
```

```
            // Process form submission (you can send data to server here)
```

```
            console.log('Form submitted successfully');
```

```
            // Display confirmation message
```

```
            var confirmationDiv = document.getElementById('confirmation');
```

```
            confirmationDiv.style.display = 'block';
```

```
            // Optionally, reset the form after submission
```

```
        form.reset();
    }
});
</script>
</body>
</html>
```