

Experiment 5-b

Aim: To use regular expressions for validation in Feedback Form.

HTML Code:

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

<head>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width,
initial-scale=1">

  <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/
css/bootstrap.min.css" rel="stylesheet">

  <title>Feedback with Bootstrap</title>
  <link rel='stylesheet' type='text/css'
media='screen' href='main.css'>
</head>

<body>

  <form id="myForm" name="myForm" method="POST"
onsubmit="valid(); return false" class="needs-
validation" novalidate>
    <label for="student-name" class="form-
label">Student Name:</label>
    <input type="text" id="student-name"
name="student-name" class="form-control" required>
    <div id="nameerror" class="invalid-feedback">
      Please enter a valid name (3-20 characters,
alphabets only).
    </div>

    <label for="student-roll-no" class="form-
label">Student Roll No:</label>
    <input type="text" id="student-roll-no"
name="student-roll-no" class="form-control" required>
    <div id="rollerror" class="invalid-feedback">
      Please enter a valid roll number in the
format "XXABC999"
    </div>

    <label for="faculty-name" class="form-
label">Faculty Name:</label>
    <select id="faculty-name" name="faculty-name"
class="form-select" required>
      <option value="">Select Faculty</option>
      <option value="faculty1">Dr. Rajesh
Sharma</option>
      <option value="faculty2">Professor Meera
Patel</option>
      <option value="faculty3">Dr. Sanjay
Desai</option>
    </select>
    <div class="invalid-feedback">
      Please select a faculty
    </div>

    <label for="subject-name" class="form-
label">Subject Name:</label>
    <select id="subject-name" name="subject-name"
class="form-select" required>
      <option value="">Select Subject</option>
      <option value="subject1">Sustainable Energy
Engineering</option>
      <option value="subject2">Data Science for
Renewable Resources</option>
      <option value="subject3">Environmental
Policy and Management</option>
    </select>
    <div class="invalid-feedback">
      Please select a subject.
    </div>

    <label for="rating" class="form-
label">Rating:</label>
    <div class="rating-container">
      <input type="radio" id="rating1"
name="rating" value="1" required>
      <label for="rating1">1</label>
      <input type="radio" id="rating2"
name="rating" value="2">
      <label for="rating2">2</label>
      <input type="radio" id="rating3"
name="rating" value="3">
      <label for="rating3">3</label>
      <input type="radio" id="rating4"
name="rating" value="4">
      <label for="rating4">4</label>
      <input type="radio" id="rating5"
name="rating" value="5">
      <label for="rating5">5</label>
    <div class="invalid-feedback">
      Please give a rating
    </div>
  </div>

  <label for="suggestion" class="form-
label">Suggestion:</label>
  <textarea id="suggestion" name="suggestion"
class="form-control" required></textarea>
  <div class="invalid-feedback">
    Please provide a suggestion.
  </div>

  <div class="form-check">
    <input type="checkbox" class="form-check-
input" id="send-response" name="send-response" required>
    <label class="form-check-label" for="send-
response">Send Response to Email:</label>
    <div class="invalid-feedback">
      You must check this to proceed.
    </div>
  </div>

  <button type="submit" class="btn btn-primary"
name="submit">Submit</button>
  <button type="reset" class="btn btn-secondary"
name="reset">Reset</button>
</form>

  <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/j
s/bootstrap.bundle.min.js"></script>

  <script>
    document.getElementById('myForm').addEventListener('submit', function (event) {
      var name = document.getElementById('student-
name').value;
      var rollNo =
document.getElementById('student-roll-no').value;

      var rollNoRegex = /\d{2}[a-zA-Z]{3}\d{3}$/;
      var nameRegex = /^[a-zA-Z]{3,20}$/;

      var nameError =
document.getElementById('nameerror');
      if (!nameRegex.test(name)) {
        nameError.style.display = 'block';
        event.preventDefault();
      } else {
        nameError.style.display = 'none';
      }

      var rollError =
document.getElementById('rollerror');
      if (!rollNoRegex.test(rollNo)) {
```

```

        rollError.style.display = 'block';
        event.preventDefault();
    } else {
        rollError.style.display = 'none';
    }
});

```

```

    </script>
</body>
</html>

```

CSS Code:

```

body {
    font-family: Arial, sans-serif;
    margin: 0;
    padding: 0;
    background-image:
url("https://img.freepik.com/free-vector/prickly-
juniper-branch-beige-gray-minimal-
background_53876-
113047.jpg?w=1060&t=st=1706855529~exp=1706856129~
hmac=22351d1fe655abc8dfe4d9157a1343183aa59ef38add
8aa278b14f9d52f4ebff");
    background-size: cover;
}

form {
    max-width: 500px;
    margin: 0 auto;
    padding: 20px;
    background-color: #ebebeb;
    border-radius: 5px;
    position: absolute;
    top: 50%;
    left: 50%;
    transform: translate(-50%, -50%);
}

label {
    display: block;
    margin-bottom: 10px;
    font-weight: bold;
}

input[type="text"],
select,
textarea {
    width: 100%;
    padding: 10px;
    border: 1px solid #ccc;
    border-radius: 4px;
    box-sizing: border-box;
    margin-bottom: 10px;
}

input[type="radio"],
input[type="checkbox"] {
    margin-right: 5px;
}

```

```

}

button[type="submit"] {
    background-color: #4caf50;
    color: white;
    padding: 10px 20px;
    border: none;
    border-radius: 4px;
    cursor: pointer;
}

button[type="submit"]:hover {
    background-color: #45a049;
}

.rating-container {
    display: inline-flex;
    align-items: center;
}

.rating-container label {
    margin-right: 10px;
}

.checkbox-container {
    display: inline-flex;
    align-items: center;
    margin-top: 10px;
    /* Optional: Add some top margin for spacing */
}

.checkbox-container label {
    margin-right: 10px;
}

.needs-validation{
    padding: 20px 40px;
}

.form-control{
    padding: 0px 100px;
}

.invalid-feedback{
    padding-top: -10px;
}

```

Output:

JavaScript regex validations

Student Name:

Please enter a valid name (3-20 characters, alphabets only).

Student Roll No:

Please enter a valid roll number in the format "XXABC999"

Student Name:

Please enter a valid name (3-20 characters, alphabets only).

Student Roll No:

Please enter a valid roll number in the format "XXABC999"

Faculty Name:

Subject Name:

Rating:
☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5
Suggestion:

☐ Send Response to Email: