

Experiment 5-a

Aim: To implement Validation in above Feedback Form.

HTML Code:

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

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

  <!-- Bootstrap CSS -->
  <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet"
integrity="sha384-
EVSTQN3/azprG1Anm3QDgppJLIIm9Nao0Yz1ztcQTWfspd3yD65
VohhpuuCOMLASjC" crossorigin="anonymous">

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

<body>

  <!-- BEGIN: Faculty Feedback Form -->
  <form 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 class="invalid-feedback">
      Please enter the student name
    </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 class="invalid-feedback">
      Please enter student's roll number
    </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>
    <!-- END: Faculty Feedback Form -->

    <!-- Bootstrap JS -->
    <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2
/dist/js/bootstrap.bundle.min.js"
integrity="sha384-
MrCw6ZMFYlzcLA8Nl+NtUVF0sA7MsXsP1UyJoMp4YLEuNSfAP
+JcXn/tWtIaxVXM"
crossorigin="anonymous"></script>
    <script>
        // Example starter JavaScript for
disabling form submissions if there are invalid
fields
        (function () {
            'use strict'

            // Fetch all the forms we want to
apply custom Bootstrap validation styles to
            var forms =
document.querySelectorAll('.needs-validation')

```

```

        // Loop over them and prevent
submission
        Array.prototype.slice.call(forms)
            .forEach(function (form) {
                form.addEventListener('submit
', function (event) {
                    if
(!form.checkValidity()) {
                        event.preventDefault(
)
                        event.stopPropagation
()
                    }
                    form.classList.add('was-
validated')
                }, false)
            })()
        </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: #ebebcb;
    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;
}

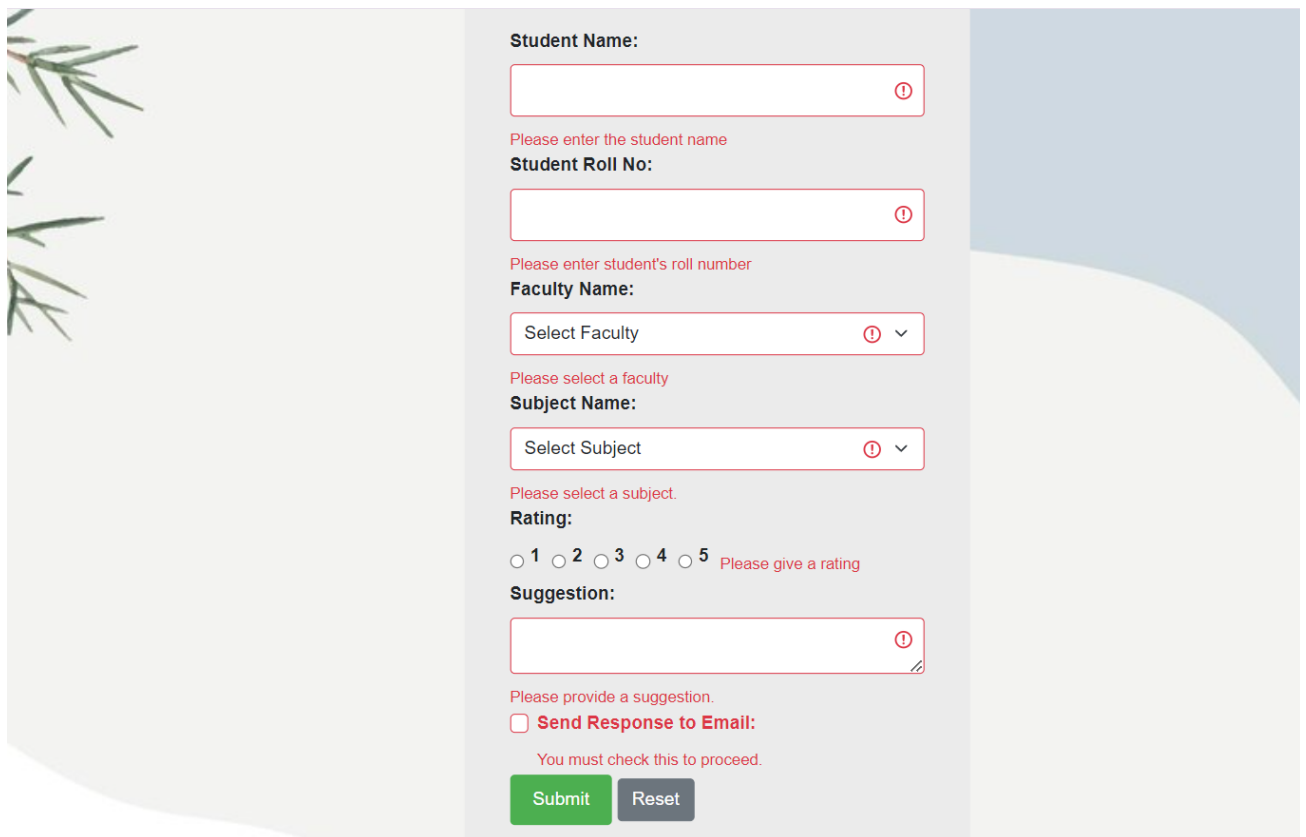
.form-control {
    padding: 0px 100px;
}

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

```

Output:

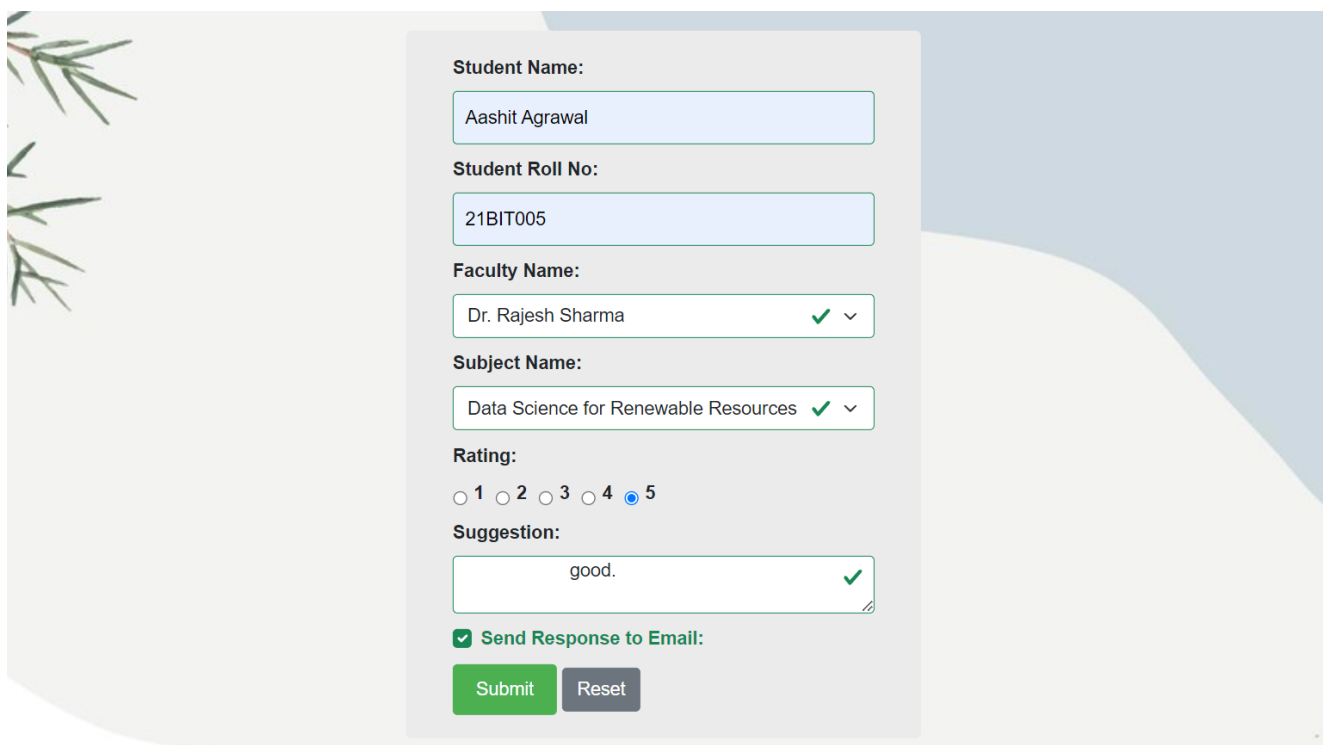
Bootstrap Validations



The form displays several validation errors indicated by red borders and icons:

- Student Name:** Empty field with error message: "Please enter the student name".
- Student Roll No:** Empty field with error message: "Please enter student's roll number".
- Faculty Name:** Dropdown menu with "Select Faculty" selected and error message: "Please select a faculty".
- Subject Name:** Dropdown menu with "Select Subject" selected and error message: "Please select a subject".
- Rating:** Radio buttons for 1 to 5, none selected, with error message: "Please give a rating".
- Suggestion:** Empty text area with error message: "Please provide a suggestion".

At the bottom, there is a checkbox for "Send Response to Email:" which is unchecked, with a message: "You must check this to proceed." Below this are "Submit" and "Reset" buttons.



The form shows the same fields as the previous image, but with successful validation:

- Student Name:** "Aashit Agrawal" entered.
- Student Roll No:** "21BIT005" entered.
- Faculty Name:** "Dr. Rajesh Sharma" selected.
- Subject Name:** "Data Science for Renewable Resources" selected.
- Rating:** "5" selected.
- Suggestion:** "good." entered.

The "Send Response to Email:" checkbox is now checked. The "Submit" and "Reset" buttons remain at the bottom.