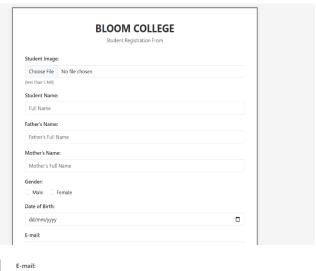**REPORT : Student Registration Form**
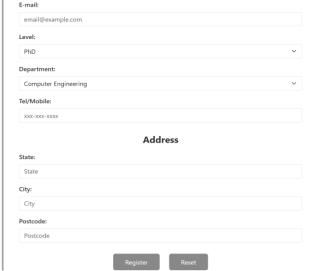
NAME : SHELDON MICHAEL ANAK TONNY SHERBERN
NO.MATRIX : 05DIT24F1154

1. Objective

To create a student registration form using HTML and apply JavaScript events (onBlur, onFocus, onChange) and Bootstrap modal for form submission confirmation.

2. HTML Form Output

GITHUB LINK :

https://sheldonsalivfan-lab.github.io/Practical-work-2/pw2.html

3. JavaScript Events

(i) onBlur Event

```html
<div class="form-container">
    <h2 class="form-title">BLOOM COLLEGE</h2>
    <p class="form-subtitle">Student Registration From</p>

    <form id="registrationForm">
        <div class="mb-3">
            <label for="studentImage" class="form-label">Student Image:</label>
<input type="file" class="form-control" id="studentImage" accept="image/*">
            <small class="image-note">(less than 5 MB)</small>
        </div>

        <div class="mb-3">
            <label for="studentName" class="form-label">Student Name:</label>
            <input type="text" class="form-control" id="studentName" placeholder="Full Name">
        </div>

        <div class="mb-3">
            <label for="fatherName" class="form-label">Father's Name:</label>
            <input type="text" class="form-control" id="fatherName" placeholder="Father's Full Name">
        </div>

        <div class="mb-3">
            <label for="motherName" class="form-label">Mother's Name:</label>
            <input type="text" class="form-control" id="motherName" placeholder="Mother's Full Name">
        </div>

        <div class="mb-3">
            <label class="form-label">Gender:</label>
            <div>
                <div class="form-check form-check-inline">
                    <input class="form-check-input" type="radio" name="gender" id="male" value="Male">
                    <label class="form-check-label" for="male">Male</label>
                </div>
                <div class="form-check form-check-inline">
                    <input class="form-check-input" type="radio" name="gender" id="female" value="Female">
                    <label class="form-check-label" for="female">Female</label>
                </div>
            </div>
        </div>
```

```html
            <div class="mb-3">
                <label for="dob" class="form-label">Date of Birth:</label>
                <input type="date" class="form-control" id="dob">
            </div>

            <div class="mb-3">
                <label for="email" class="form-label">E-mail:</label>
                <input type="email" class="form-control" id="email" placeholder="email@example.com">
            </div>

            <div class="mb-3">
                <label for="level" class="form-label">Level:</label>
                <select class="form-select" id="level">
                    <option value="PhD">PhD</option>
                    <option value="Masters">Masters</option>
                    <option value="Bachelor">Bachelor</option>
                    <option value="Diploma">Diploma</option>
                </select>
            </div>

            <div class="mb-3">
                <label for="department" class="form-label">Department:</label>
                <select class="form-select" id="department">
                    <option value="Computer Engineering">Computer Engineering</option>
                    <option value="Civil Engineering">Civil Engineering</option>
                    <option value="Mechanical Engineering">Mechanical Engineering</option>
                    <option value="Electrical Engineering">Electrical Engineering</option>
                    <option value="Electronics Engineering">Electronics Engineering</option>
                </select>
            </div>

            <div class="mb-3">
                <label for="mobile" class="form-label">Tel/Mobile:</label>
                <input type="tel" class="form-control" id="mobile" placeholder="xxx-xxx-xxxx">
            </div>

            <h4 class="section-title">Address</h4>

            <div class="mb-3">
                <label for="state" class="form-label">State:</label>
                <input type="text" class="form-control" id="state" placeholder="State">
            </div>

            <div class="mb-3">
                <label for="city" class="form-label">City:</label>
                <input type="text" class="form-control" id="city" placeholder="City">
            </div>

            <div class="mb-3">
                <label for="postcode" class="form-label">Postcode:</label>
                <input type="text" class="form-control" id="postcode" placeholder="Postcode">
            </div>

            <div class="button-container">
                <button type="submit" class="btn btn-custom">Register</button>
                <button type="reset" class="btn btn-custom">Reset</button>
            </div>
        </form>
</div>
```

```html
    <script>
        // i. onBlur event for all input fields
        const inputs = document.querySelectorAll('input[type="text"], input[type="email"], input[type="tel"]');
    inputs.forEach(input => {
        input.addEventListener('blur', function() {
            const trimmed = this.value.trim();
            if (trimmed === "") {
                this.style.borderColor = "red";
                this.title = "❌ Required field";
            } else {
                this.style.borderColor = "green";
                this.title = "✅ Looks good";
            }
            console.log(`Field ${this.id} lost focus. Value: ${this.value}`);
        });

        input.addEventListener('focus', function() {
            this.style.borderColor = "";
            this.title = "";
        });
    });
```

OUTPUT :

Address

State:

ss

City:

City

Changes colour of box to red when out of focus empty and green when out of focus and filled in.

(ii) onFocus Event (Email Field)

```
// ii. onFocus event for email field
const emailField = document.getElementById('email');
emailField.addEventListener('focus', function() {
    this.style.backgroundColor = '#ffffcc';
    console.log('Email field focused');
});

emailField.addEventListener('blur', function() {
    this.style.backgroundColor = '';
});
```

OUTPUT :

E-mail:

s

Level: sheldonsalivfan@gmail.com

(iii) onChange Event (Student, Father, Mother Names)

```
// iii. onChange event for name fields to convert to CAPS LOCK
const studentName = document.getElementById('studentName');
const fatherName = document.getElementById('fatherName');
const motherName = document.getElementById('motherName');

function convertToCaps(e) {
    e.target.value = e.target.value.toUpperCase();
}

studentName.addEventListener('change', convertToCaps);
fatherName.addEventListener('change', convertToCaps);
motherName.addEventListener('change', convertToCaps);
```

OUTPUT :

BEFORE

Student Name:

sheldon

AFTER

Student Name:

SHELDON

NAME CHANGES TO CAPITAL LETTER AFTER GOING OUT OF FOCUS

(iv) Bootstrap Modal (on Submit)

```html
<!-- Bootstrap Modal -->
<div class="modal fade" id="successModal" tabindex="-1" aria-labelledby="successModalLabel" aria-hidden="true">
    <div class="modal-dialog">
        <div class="modal-content">
            <div class="modal-header">
                <h5 class="modal-title" id="successModalLabel">Registration Successful</h5>
                <button type="button" class="btn-close" data-bs-dismiss="modal" aria-label="Close"></button>
            </div>
            <div class="modal-body">
                Your details have been saved!
            </div>
            <div class="modal-footer">
                <button type="button" class="btn btn-secondary" data-bs-dismiss="modal">Close</button>
            </div>
        </div>
    </div>
</div>

<script src="https://cdnjs.cloudflare.com/ajax/libs/bootstrap/5.3.0/js/bootstrap.bundle.min.js"></script>
<script>
```

```javascript
        // iv. Form submission with Bootstrap modal
        const form = document.getElementById('registrationForm');
        const successModal = new bootstrap.Modal(document.getElementById('successModal'));

        form.addEventListener('submit', function(e) {
            e.preventDefault();

            // Show the success modal
            successModal.show();

            // Optional: Log form data
            console.log('Form submitted successfully');
            console.log('Student Name:', studentName.value);
            console.log('Father Name:', fatherName.value);
            console.log('Mother Name:', motherName.value);
            console.log('Email:', emailField.value);
        });
    </script>
</body>
</html>
```

OUTPUT :

sheldonsalivian@gmail.com

Level:

PhD ⌄

Department:

Electronics Eng ⌄

Tel/Mobile:

019677899

Address

State:

SARAWAK

City:

KUCHING

Postcode:

93050

Register   Reset

Registration Successful ✕

Your details have been saved!

Close