



REPORT : Student Registration Form

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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

BLOOM COLLEGE

Student Registration Form

Student Image:

Choose File

No file chosen

(less than 5 MB)

Student Name:

Full Name

Father's Name:

Father's Full Name

Mother's Name:

Mother's Full Name

Gender:

☐ Male

☐ Female

Date of Birth:

dd/mm/yyyy

E-mail:

E-mail:

email@example.com

Level:

PhD

Department:

Computer Engineering

Tel/Mobile:

XXXX-XXXX-XXXX

Address

State:

State

City:

City

Postcode:

Postcode

Register

Reset

GITHUB LINK :

Website link:

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

other uploads (video and report included):

<https://github.com/sheldonsalivfan-lab/Practical-work-2>

3. JavaScript Events

(i) onBlur Event

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

```

<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>

```

```

<script>
  // 1. 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 = "";
    });
  });
</script>

```

OUTPUT :

State:

State

City:

KUCHING

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:

Level:

(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:

AFTER

Student Name:

SHELDON

NAME CHANGES TO CAPITAL LETTER AFTER GOING OUT OF FOCUS

(iv) Bootstrap Modal (on Submit)

```
<!-- 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>
</div>

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

```
// 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 :

sheldonsalvian@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