

## Practical - 3

### INPUT:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Student Registration Form</title>
  <style>
    body {
      font-family: Arial, sans-serif;
      margin: 30px;
    }
    .error {
      color: red;
      font-size: 0.9em;
    }
    input.error-input {
      border: 2px solid red;
      background-color: #ffe6e6;
    }
    .success {
      margin-top: 20px;
      padding: 10px;
      border: 1px solid green;
      background-color: #e6ffe6;
    }
  </style>
</head>
<body>

  <h2>Student Registration Form</h2>
  <form id="registrationForm" onsubmit="return validateForm()">
    <label>Full Name:
      <input type="text" id="fullname" name="fullname" required>
      <span class="error" id="fullNameError"></span>
    </label><br><br>

    <label>Student ID:
      <input type="text" id="studentid" name="studentid" required pattern="[A-Za-z0-9]+">
      <span class="error" id="studentidError"></span>
    </label><br><br>

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

    <label>Username:
      <input type="text" id="username" name="username" required>
      <span class="error" id="usernameError"></span>
    </label><br><br>

    <label>Password:
```

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<input type="password" id="password" name="password" required>
<span class="error" id="passwordError"></span>
</label><br><br>

<label>Confirm Password:
<input type="password" id="confirmpassword" name="confirmpassword" required>
<span class="error" id="confirmpasswordError"></span>
</label><br><br>

<label>Phone Number:
<input type="text" id="phone" name="phone" required>
<span class="error" id="phoneError"></span>
</label><br><br>

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

<div id="output" class="success"></div>

<script>

const nameRegex = /^[a-zA-Z\s]+$/;
const usernameRegex = /^[a-zA-Z0-9]{5,15}$/;
const passwordRegex = /^(?=.*[A-Za-z])(?=.*\d)(?=.*[@$!%*?&]).{8,}$/;
const phoneRegex = /^[0-9]{10}$/;

function validateField(id, pattern, message) {
  const input = document.getElementById(id);
  const errorSpan = document.getElementById(id + "Error");
  if (!pattern.test(input.value.trim())) {
    errorSpan.textContent = message;
    input.classList.add("error-input");
    return false;
  } else {
    errorSpan.textContent = "";
    input.classList.remove("error-input");
    return true;
  }
}

function validatePasswords() {
  const password = document.getElementById("password").value;
  const confirm = document.getElementById("confirmpassword").value;
  const errorSpan = document.getElementById("confirmpasswordError");

  if (password !== confirm) {
    errorSpan.textContent = "Passwords do not match.";
    document.getElementById("confirmpassword").classList.add("error-input");
    return false;
  } else {
    errorSpan.textContent = "";
    document.getElementById("confirmpassword").classList.remove("error-input");
    return true;
  }
}

function validateForm() {
  const validName = validateField("fullName", nameRegex, "Only letters and spaces allowed.");
  const validUsername = validateField("username", usernameRegex, "5-15 alphanumeric characters.");
  const validPassword = validateField("password", passwordRegex, "Min 8 chars with letter, digit, special char.");

```

```
const validPhone = validateField("phone", phoneRegex, "Must be exactly 10 digits.");
const passwordsMatch = validatePasswords();

if (validName && validUsername && validPassword && validPhone && passwordsMatch) {
  showOutput();
  return false;
}

return false;
}

function showOutput() {
  const output = document.getElementById("output");
  const name = document.getElementById("fullName").value;
  const id = document.getElementById("studentid").value;
  const email = document.getElementById("email").value;
  const username = document.getElementById("username").value;
  const phone = document.getElementById("phone").value;

  output.innerHTML = `
    <h3>Registration Successful!</h3>
    <p><strong>Name:</strong> ${name}</p>
    <p><strong>Student ID:</strong> ${id}</p>
    <p><strong>Email:</strong> ${email}</p>
    <p><strong>Username:</strong> ${username}</p>
    <p><strong>Phone:</strong> ${phone}</p>
  `;
}

document.getElementById("fullName").addEventListener("blur", () =>
  validateField("fullName", nameRegex, "Only letters and spaces allowed.")
);
document.getElementById("username").addEventListener("blur", () =>
  validateField("username", usernameRegex, "5–15 alphanumeric characters.")
);
document.getElementById("password").addEventListener("blur", () =>
  validateField("password", passwordRegex, "Min 8 chars with letter, digit, special char.")
);
document.getElementById("phone").addEventListener("blur", () =>
  validateField("phone", phoneRegex, "Must be exactly 10 digits.")
);
document.getElementById("confirmpassword").addEventListener("blur", validatePasswords);
</script>

</body>
</html>
```

**OUTPUT:**

## Student Registration Form

Full Name:

Student ID:

Email:

Username:

Password:

Confirm Password:

Phone Number:

## Student Registration Form

Full Name:  Only letters and spaces allowed.

Student ID:

Email:

Username:

Password:

Confirm Password:  Passwords do not match.

Phone Number:  Must be exactly 10 digits.

## Student Registration Form

Full Name:

Student ID:

Email:

Username:

Password:

Confirm Password:

Phone Number:

### Registration Successful!

**Name:** Prince Patel

**Student ID:** jbj54

**Email:** Prince@123

**Username:** princ

**Phone:** 9568446286

