<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Document</title>

</head>

<body>

<h2>Signup Form</h2>

<form id="signupForm" onsubmit="validateForm(event)">

<label for="username">Username:</label>

<input type="text" id="username" name="username" required>

<span id="usernameError" class="error"></span>

<br>

<label for="email">Email:</label>

<input type="email" id="email" name="email" required>

<span id="emailError" class="error"></span>

<br>

<label for="password">Password:</label>

<input type="password" id="password" name="password" required>

<span id="passwordError" class="error"></span>

<br>

<input type="submit" value="Sign Up">

</form>

<script>

function validateForm(event) {

// Prevent the form from submitting

event.preventDefault();

// Get form elements

const username = document.getElementById('username').value;

const email = document.getElementById('email').value;

const password = document.getElementById('password').value;

// Regular expressions for validation

const usernameRegex = /^[a-zA-Z0-9\_]{3,20}$/;

const emailRegex = /^[^\s@]+@[^\s@]+\.[^\s@]+$/;

const passwordRegex = /^[A-Z]{1}[a-z]{3,6}\W{2}[0-9]{3}$/;

// Validation

const usernameIsValid = usernameRegex.test(username);

const emailIsValid = emailRegex.test(email);

const passwordIsValid = passwordRegex.test(password);

// Display validation errors

document.getElementById('usernameError').textContent = usernameIsValid ? '' : 'Invalid username';

document.getElementById('emailError').textContent = emailIsValid ? '' : 'Invalid email';

document.getElementById('passwordError').textContent = passwordIsValid ? '' : 'Password must be at least 6 characters';

// If all fields are valid, you can proceed with form submission

if (usernameIsValid && emailIsValid && passwordIsValid) {

alert('Form submitted successfully!');

// Add logic for actual form submission or redirect

}

}

</script>

</body>

</html>