

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Registration Form</title>

</head>

<body>

<?php

$username = $email = $password = "";

$error = $success = "";

if ($\_SERVER["REQUEST\_METHOD"] == "POST") {

$username = trim($\_POST["username"]);

$email = trim($\_POST["email"]);

$password = $\_POST["password"];

if (empty($username) || empty($email) || empty($password)) {

$error = "All fields are required.";

} elseif (!filter\_var($email, FILTER\_VALIDATE\_EMAIL)) {

$error = "Invalid email format.";

} elseif (!preg\_match('/^(?=.\*[A-Z])(?=.\*\d)(?=.\*[@$!%\*?&])[A-Za-z\d@$!%\*?&]{8,}$/',

$password)) {

$error = "Password must be at least 8 characters long, contain at least one uppercase letter, one number, and one special character.";

} else {

$success = "Registration successful!";

}

}

?>

<h2>Registration Form</h2>

<?php if ($error): ?>

<p style="color: red;"><?php echo $error; ?></p>

<?php endif; ?>

<?php if ($success): ?>

<p style="color: green;"><?php echo $success; ?></p>

<?php endif; ?>

<form method="POST" action="">

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

<input type="text" id="username" name="username" value="<?php echo htmlspecialchars($username); ?>"><br><br>

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

<input type="email" id="email" name="email" value="<?php echo htmlspecialchars($email);

?>"><br><br>

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

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

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

</form>

</body>

</html>