

```
<?php

// Variables

$name = $email = "";

$nameErr = $emailErr = $passErr = $confirmErr = "";

$successMsg = $fileErr = "";

if ($_SERVER["REQUEST_METHOD"] == "POST") {

    // Get form values

    $name = trim($_POST["name"]);

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

    $password = $_POST["password"];

    $confirm_password = $_POST["confirm_password"];


    // 2. Validation

    if (empty($name)) {

        $nameErr = "Name is required";

    }

}
```

```
if (empty($email)) {

    $emailErr = "Email is required";

} elseif (!filter_var($email, FILTER_VALIDATE_EMAIL)) {

    $emailErr = "Invalid email format";

}

if (empty($password)) {

    $passErr = "Password is required";

} elseif (strlen($password) < 6) {

    $passErr = "Password must be at least 6 characters";

} elseif (!preg_match("/[0#%$^&*()\\-_+={};:,<.>]/", $password)) {

    $passErr = "Password must include a special character";

}

if (empty($confirm_password)) {

    $confirmErr = "Please confirm your password";
```

```
    } elseif ($password !== $confirm_password) {  
  
        $confirmErr = "Passwords do not match";  
  
    }  
  
    // If no validation errors  
  
    if (empty($nameErr) && empty($emailErr) && empty($passErr) && empty($confirmErr))  
{  
  
    $file = "users.json";  
  
    // 4. Read JSON file  
  
    if (!file_exists($file)) {  
  
        file_put_contents($file, json_encode([]));  
  
    }  
  
    $jsonData = file_get_contents($file);  
  
    if ($jsonData === false) {
```

```
$fileErr = "Error reading users.json file.";

} else {

    $users = json_decode($json_data, true);

    if (!is_array($users)) {

        $users = [];

    }

    // 5. Hash password

    $hashed_password = password_hash($password, PASSWORD_DEFAULT);

    // Create user array

    $new_user = [

        "name" => $name,

        "email" => $email,

        "password" => $hashed_password

    ];

}
```

```
// 6. Add to existing users

$users[] = $new_user;

// 7. Write back to JSON

if (file_put_contents($file, json_encode($users, JSON_PRETTY_PRINT))) {

    // 8. Success Message

    $successMsg = "Registration successful!";

    // Clear fields

    $name = $email = "";

} else {

    // 9. Error handling

    $fileErr = "Error writing to users.json file.";

}

}

}

?>
```

```
<!DOCTYPE html>

<html>

<head>

<title>User Registration</title>

<style>

body { font-family: Arial; background: #f4f4f4; }

.container {

width: 350px;

margin: 50px auto;

background: #fff;

padding: 20px;

border-radius: 8px;

}

.error { color: red; font-size: 14px; }

.success { color: green; font-size: 16px; }

input { width: 90%; padding: 8px; margin: 8px 0; }
```

```
button { width: 300; padding: 10px; background: #4CAF50; color: white;
border: none; }

h2{
    text-align: center;
}

.success{
    text-align: center;
}

</style>

</head>

<body>

<div class="container">

<h2>Register</h2>

<?php if(!empty($successMsg)) : ?>

<div class="success"><?= $successMsg ?></div>

<?php endif; ?>
```

```
<?php if(!empty($fileErr)) : ?>

<div class="error"><?= $fileErr ?></div>

<?php endif; ?>

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

<label>Name:</label>

<input type="text" name="name" value="<?= htmlspecialchars($name) ?>">

<div class="error"><?= $nameErr ?></div>

<label>Email:</label>

<input type="text" name="email" value="<?= htmlspecialchars($email) ?>">

<div class="error"><?= $emailErr ?></div>

<label>Password:</label>

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

<div class="error"><?= $passErr ?></div>
```

```
<label>Confirm Password:</label>

<input type="password" name="confirm_password">

<div class="error"><?= $confirmErr ?></div>

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

</form>

</div>

</body>

</html>
```



## Register

Registration successful!

Name:

Email:

Password:

Confirm Password:

**Register**