

```
<?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("/[@#$%^&*()\-_+={};:;<.>]/", $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([]));

    }

    $json_data = file_get_contents($file);

    if ($json_data === 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>
```

```
[
  {
    "name": "Anjul Aryal",
    "email": "aryalanjul123@gmail.com",
    "password": "$2y$10$JADmkstEBgqYxNL2jX4w9uQHXMmSP\wohGFI3uK26hqpOThU",
  },
  {
    "name": "Anjul Aryal",
    "email": "aryalanjul123@gmail.com",
    "password": "$2y$10$y8uOegqLyX8NfE2WJ4d0lOMIi.Fs4DutN8ilbInXDvSBs\5d",
  },
  {
    "name": "Anjul Aryal",
    "email": "aryalanjul123@gmail.com",
    "password": "$2y$10$\20NRf3bvjP7rdZ3t5KUNOlGcPQq4GxQtpcvgYtCpDOnJvmf",
  },
  {
    "name": "Anjul Aryal",
    "email": "aryalanjul123@gmail.com",
    "password": "$2y$10$9HBCiok3bsWPEaTLlff6qOarbrPAfnW.sOvp2KId4AtiMcwj",
  },
  {
    "name": "Anjul Aryal",
    "email": "aryalanjul123@gmail.com",
    "password": "$2y$10$noL9tWfGep2j0IBSjni6w.hxKIYcg2XwbENWcPkyp0kzpKGd7",
  },
  {
    "name": "Anjul Aryal",
    "email": "aryalanjul123@gmail.com",
    "password": "$2y$10$568dvUYMeK2BnsjQy8H5KejK6Tyw6.q9VJNDiua8nqTHoVFg3",
  },
  {
    "name": "Anjul Aryal",
    "email": "aryalanjul123@gmail.com",
    "password": "$2y$10$6ON6oOGz7GA\ohw\2gd9quhq6LlnuOlmu55U\lQzI7OQXK",
  },
  {
    "name": "Anjul Aryal",
    "email": "aryalanjul123@gmail.com",
    "password": "$2y$10$zjlCqrfOHwM6O2XdfScU2eQZycwtCguBo\m.oZzPLjS17Av0",
  },
  {
    "name": "Anjul Aryal",
    "email": "aryalanjul123@gmail.com",
    "password": "$2y$10$r3.LcCuvSc1ZU3VJRvWsueXHeoCT7ez5C4kxyAnO0p2dxMMbO",
  },
  {
    "name": "Anjul Aryal",
    "email": "aryalanjul123@gmail.com",
    "password": "$2y$10$FrLiD5QFXDSLlYTBCnxC4.mJZ6kD42MarZLaECB6sDvWO0at6",
  },
  {
    "name": "Anjul Aryal",
```

Register

Registration successful!

Name:

Email:

Password:

Confirm Password:

Register