

Code:

```
1  <?php
2  // -----
3  // STEP 1: SET DEFAULTS
4  // -----
5  $name = $email = "";
6  $errors = [];
7  $success = "";
8
9  // -----
10 // STEP 2: IF FORM SUBMITTED
11 // -----
12 if ($_SERVER["REQUEST_METHOD"] === "POST") {
13
14     // Collect form data
15     $name = trim($_POST["name"]);
16     $email = trim($_POST["email"]);
17     $password = $_POST["password"];
18     $confirm_password = $_POST["confirm_password"];
19
20     // -----
21     // STEP 3: VALIDATION
22     // -----
23     if (empty($name)) {
24         $errors['name'] = "Name is required";
25     }
26
27     if (empty($email)) {
28         $errors['email'] = "Email is required";
29     } elseif (!filter_var($email, FILTER_VALIDATE_EMAIL)) {
30         $errors['email'] = "Invalid email format";
31     }
32
33     if (empty($password)) {
34         $errors['password'] = "Password is required";
35     } elseif (strlen($password) < 6) {
36         $errors['password'] = "Password must be at least 6 characters";
37     } elseif (!preg_match('/[!@#%&*()_-+=?]/', $password)) {
38         $errors['password'] = "Password must contain at least one special character (!@#%&* )";
39     }
40
41     if ($password !== $confirm_password) {
42         $errors['confirm_password'] = "Passwords do not match";
43     }
44
45     // -----
46     // STEP 4: IF NO ERRORS → SAVE DATA
47     // -----
48     if (count($errors) === 0) {
49
50         $file = "users.json";
51
52         // Read existing users
53         $existing_users = json_decode(file_get_contents($file), true);
54
55         if (!is_array($existing_users)) {
56             $existing_users = [];
57         }
58
59         // Hash password
60         $hashed_password = password_hash($password, PASSWORD_DEFAULT);
61
62         // New user data
63         $new_user = [
64             "name" => $name,
65             "email" => $email,
66             "password" => $hashed_password
67         ];
68
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68
69     // Add new user to array
70     $existing_users[] = $new_user;
71
72     // Save back to JSON
73     if (file_put_contents($file, json_encode($existing_users, JSON_PRETTY_PRINT))) {
74         $success = "Registration successful!";
75         $name = $email = ""; // clear form after success
76     } else {
77         $errors['file'] = "Error writing to users.json";
78     }
79 }
80 }
81 ?>
82
83 <!DOCTYPE html>
84 <html>
85 <head>
86     <title>User Registration</title>
87
88     <style>
89         body {
90             font-family: Arial, sans-serif;
91             background: #f1f1f1;
92             display: flex;
93             justify-content: center;
94             align-items: center;
95             height: 100vh;
96             margin: 0;
97         }
98
99         .container {
100             background: white;
101             width: 350px;
102             padding: 25px;
103             border-radius: 10px;
104             box-shadow: 0px 0px 15px #00000020;
105         }

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105     }
106
107     h2 {
108         text-align: center;
109         color: #333;
110     }
111
112     label {
113         font-weight: bold;
114         margin-top: 10px;
115         display: block;
116     }
117
118     input {
119         width: 100%;
120         padding: 10px;
121         margin-top: 5px;
122         border: 1px solid #bbb;
123         border-radius: 5px;
124         outline: none;
125         transition: 0.2s;
126     }
127
128     input:focus {
129         border-color: #5A67D8;
130     }
131
132     button {
133         width: 100%;
134         background: #5A67D8;
135         color: white;
136         padding: 12px;
137         margin-top: 15px;
138         border: none;
139         border-radius: 5px;
140         font-size: 16px;
141         cursor: pointer;
142         transition: 0.2s;
143     }
```

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144
145     button:hover {
146         background: #424fc7;
147     }
148
149     .error {
150         color: red;
151         font-size: 13px;
152         margin-top: 3px;
153     }
154
155     .success {
156         background: #c6f6d5;
157         padding: 10px;
158         color: #2f855a;
159         border-radius: 5px;
160         margin-bottom: 15px;
161         text-align: center;
162         font-weight: bold;
163     }
164 </style>
165
166 </head>
167 <body>
168
169 <div class="container">
170
171 <h2>User Registration</h2>
172
173 <?php if ($success): ?>
174     <div class="success"><?= $success ?></div>
175 <?php endif; ?>
176
177 <form method="POST">
178     <label>Name:</label>
179     <input type="text" name="name" value="<?= $name ?>">
180     <div class="error"><?= $errors['name'] ?? "" ?></div>

```

```

181
182     <label>Email:</label>
183     <input type="text" name="email" value="<?= $email ?>">
184     <div class="error"><?= $errors['email'] ?? "" ?></div>
185
186     <label>Password:</label>
187     <input type="password" name="password">
188     <div class="error"><?= $errors['password'] ?? "" ?></div>
189
190     <label>Confirm Password:</label>
191     <input type="password" name="confirm_password">
192     <div class="error"><?= $errors['confirm_password'] ?? "" ?></div>
193
194     <button type="submit">Register</button>
195 </form>
196
197 </div>
198
199 </body>
200 </html>

```

Github repository link: <https://github.com/suvam23/User-Registration-System-Suvam>

Deployed link: <https://suvam23.github.io/User-Registration-System-Suvam/>