

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     }
}
```

```
68     // Add new user to array
69     $existing_users[] = $new_user;
70
71     // Save back to JSON
72     if (file_put_contents($file, json_encode($existing_users, JSON_PRETTY_PRINT))) {
73         $success = "Registration successful!";
74         $name = $email = ""; // clear form after success
75     } else {
76         $errors['file'] = "Error writing to users.json";
77     }
78 }
79 ?>
80
81 <!DOCTYPE html>
82 <html>
83 <head>
84     <title>User Registration</title>
85
86     <style>
87         body {
88             font-family: Arial, sans-serif;
89             background: #f1f1f1;
90             display: flex;
91             justify-content: center;
92             align-items: center;
93             height: 100vh;
94             margin: 0;
95         }
96
97         .container {
98             background: white;
99             width: 350px;
100            padding: 25px;
101            border-radius: 10px;
102            box-shadow: 0px 0px 15px #00000020;
103        }
104    </style>
105
```

```
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      }
```

```
144         button:hover {
145             background: #424fc7;
146         }
147
148         .error {
149             color: red;
150             font-size: 13px;
151             margin-top: 3px;
152         }
153
154         .success {
155             background: #c6f6d5;
156             padding: 10px;
157             color: #2f855a;
158             border-radius: 5px;
159             margin-bottom: 15px;
160             text-align: center;
161             font-weight: bold;
162         }
163     }
164 
```

165 </style>

166 </head>

167 <body>

168 <div class="container">

169 <h2>User Registration</h2>

170

171 <?php if (\$success): ?>

172 <div class="success"><?= \$success ?></div>

173 <?php endif; ?>

174

175 <form method="POST">

176 <label>Name:</label>

177 <input type="text" name="name" value="<?= \$name ?>">

178 <div class="error"><?= \$errors['name'] ?? "" ?></div>

179

180

181 <label>Email:</label>

182 <input type="text" name="email" value="<?= \$email ?>">

183 <div class="error"><?= \$errors['email'] ?? "" ?></div>

184

185 <label>Password:</label>

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

187 <div class="error"><?= \$errors['password'] ?? "" ?></div>

188

189 <label>Confirm Password:</label>

190 <input type="password" name="confirm\_password">

191 <div class="error"><?= \$errors['confirm\_password'] ?? "" ?></div>

192

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

194 </form>

195

196 </div>

197

198 </body>

199 </html>

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

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