OOPD-WORKSHOP4

PHP:

```php
<?php
$jsonFile = 'users.json';
$errors = [];
$success = "";
if ($_SERVER["REQUEST_METHOD"] === "POST") {
    $name = trim($_POST['name']);
    $email = trim($_POST['email']);
    $password = $_POST['password'];
    $confirmPassword = $_POST['confirm_password'];
    if (empty($name)) {
        $errors['name'] = "Name is required.";
    }
    if (empty($email)) {
        $errors['email'] = "Email is required.";
    } elseif (!filter_var($email, FILTER_VALIDATE_EMAIL)) {
        $errors['email'] = "Invalid email format.";
    }
    if (empty($password)) {
        $errors['password'] = "Password is required.";
```

```php
    } elseif (strlen($password) < 8 || !preg_match("/[!@#$%^&*]/",
$password)) {

        $errors['password'] = "Password must be at least 8 characters and
include a special character.";

    }

    if ($password !== $confirmPassword) {

        $errors['confirm_password'] = "Passwords do not match.";

    }

    if (empty($errors)) {

        try {

            if (!file_exists($jsonFile)) {

                file_put_contents($jsonFile, json_encode([]));

            }

            $usersData = file_get_contents($jsonFile);

            $users = json_decode($usersData, true);

            if (!is_array($users)) {

                $users = [];

            }

            $hashedPassword = password_hash($password,
PASSWORD_DEFAULT);

            $newUser = [

                "name" => $name,

                "email" => $email,
```

```php
            "password" => $hashedPassword
        ];
        $users[] = $newUser;
        if (file_put_contents($jsonFile, json_encode($users,
JSON_PRETTY_PRINT))) {
            $success = "Registration successful!";
        } else {
            $errors['file'] = "Error writing to users.json.";
        }
    } catch (Exception $e) {
        $errors['exception'] = "Unexpected error: " . $e->getMessage();
    }
  }
}
?>
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>User Registration</title>
  <style>
    * {
      margin: 0;
```

```css
  padding: 0;
  box-sizing: border-box;
}
body {
  font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
  background: linear-gradient(135deg, #74ebd5 0%, #9face6 100%);
  min-height: 100vh;
  display: flex;
  flex-direction: column;
  align-items: center;
  padding-top: 40px;
}
.header {
  text-align: center;
  margin-bottom: 20px;
}
.success {
  background: #d4edda;
  color: #155724;
  padding: 10px 20px;
  border-radius: 6px;
  margin-top: 10px;
  font-weight: 600;
```

```css
    display: inline-block;
}
.container {
  background: #fff;
  padding: 30px;
  border-radius: 12px;
  box-shadow: 0 8px 20px rgba(0,0,0,0.15);
  width: 100%;
  max-width: 420px;
}
form label {
  display: block;
  margin-bottom: 6px;
  font-weight: 600;
  color: #444;
}
form input {
  width: 100%;
  padding: 10px;
  margin-bottom: 15px;
  border: 1px solid #ccc;
  border-radius: 6px;
  font-size: 14px;
```

```css
    transition: border-color 0.3s;
  }
  form input:focus {
    border-color: #6c63ff;
    outline: none;
  }

  button {
    width: 100%;
    padding: 12px;
    background: #6c63ff;
    color: #fff;
    border: none;
    border-radius: 6px;
    font-size: 16px;
    font-weight: bold;
    cursor: pointer;
    transition: background 0.3s;
  }
  button:hover {
    background: #574fd6;
  }
  .error {
```

```
      color: #d9534f;

      font-size: 13px;

      margin-top: -10px;

      margin-bottom: 10px;

      display: block;

      }


  </style>
</head>
<body>
  <h1 style="text-align: center;">User Registration</h1>
  <?php if ($success): ?>
    <div class="success"><?= htmlspecialchars($success) ?></div>
  <?php endif; ?>
  <form method="POST" action="">
    <label>Name:
      <input type="text" name="name" value="<?=
htmlspecialchars($_POST['name'] ?? '') ?>">
      <span class="error"><?= $errors['name'] ?? '' ?></span>
    </label>
    <label>Email:
      <input type="email" name="email" value="<?=
htmlspecialchars($_POST['email'] ?? '') ?>">
```

```html
        <span class="error"><?= $errors['email'] ?? '' ?></span>
    </label>
    <label>Password:
        <input type="password" name="password">
        <span class="error"><?= $errors['password'] ?? '' ?></span>
    </label>
    <label>Confirm Password:
        <input type="password" name="confirm_password">
        <span class="error"><?= $errors['confirm_password'] ?? '' ?></span>
    </label>
    <button type="submit">Register</button>
  </form>
</body>
</html>
```
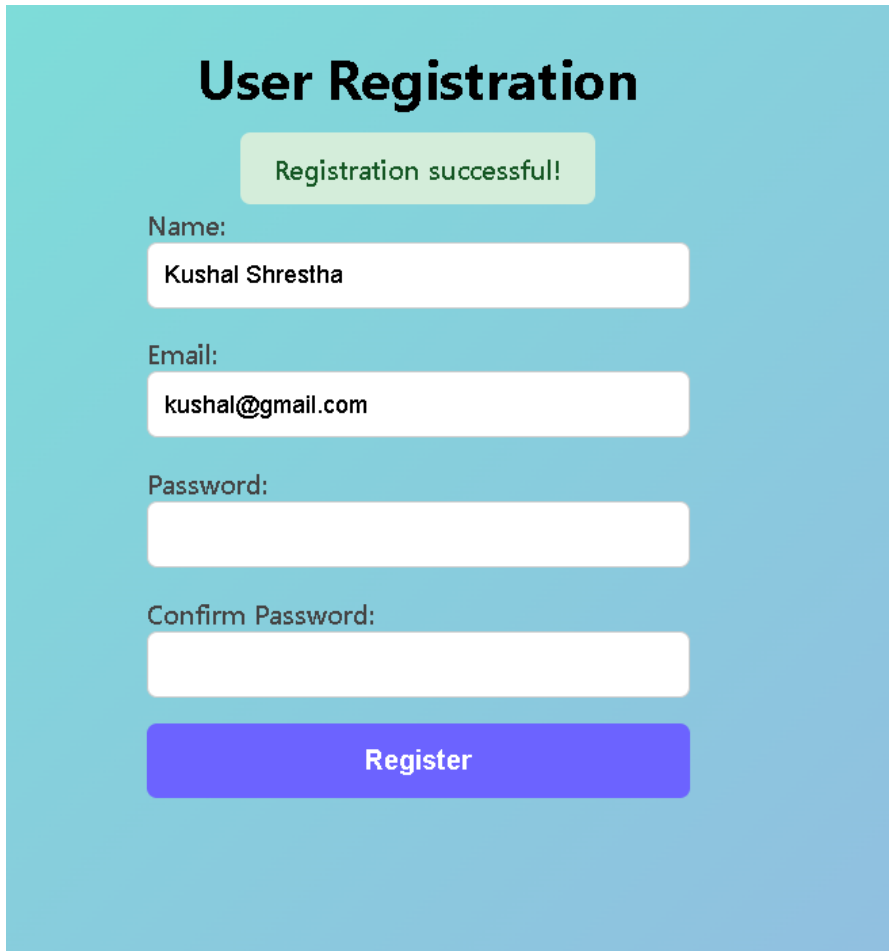
JSON:

```
[
  {
    "name": "Pranish Mulmi",
    "email": "pranish.mulmi09@gmail.com",
    "password":
"$2y$10$N6dPEemzdI0GHM.Hnt.pyeitscXzZP9rG0ARlPOuRckwEw3JZncxe
"
  },
  {
    "name": "Kushal Shrestha",
    "email": "kushal@gmail.com",
    "password":
"$2y$10$Dn.6NZzK1Q8kASYOmM3oFutaamc5ebfrGD9b7EdlFiMVaqObBp
Ia."
  }
]
```

OUTPUT:

User Registration

Registration successful!

Name:

Kushal Shrestha

Email:

kushal@gmail.com

Password:

Confirm Password:

Register

User Registration

Name:

Name is required.

Email:

Email is required.

Password:

Password is required.

Confirm Password:

Register