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LG1

Screenshots of output

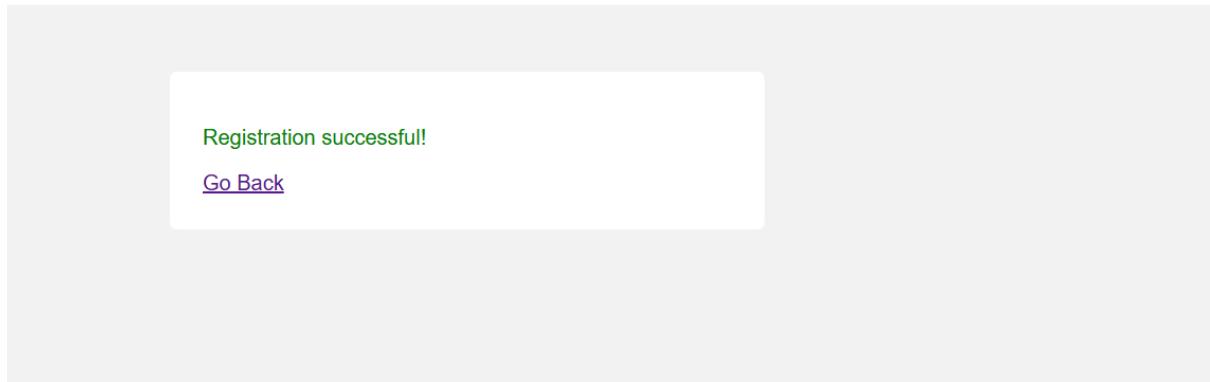
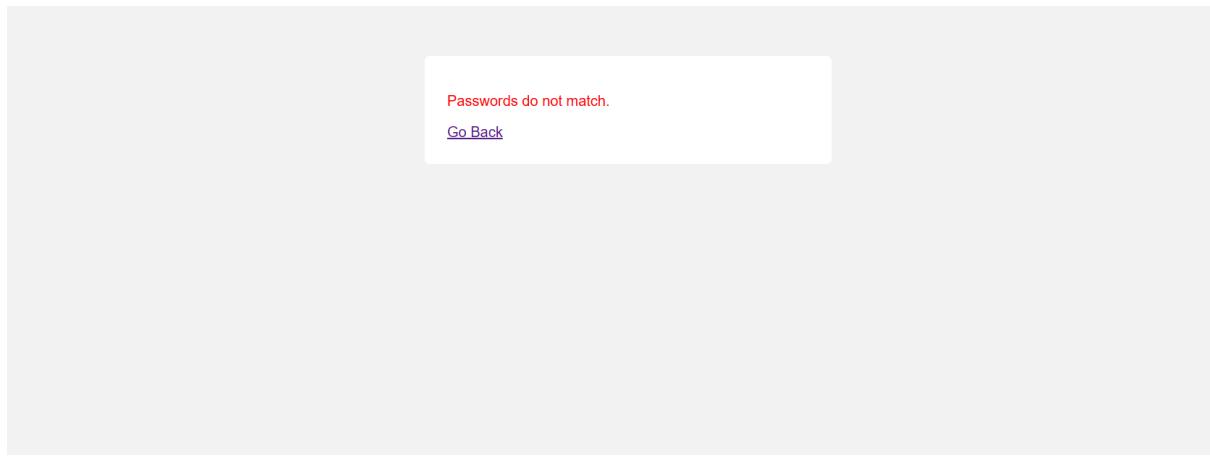
The screenshot shows a web browser window with the URL `localhost:8080/Week4/registration.html`. The page title is "User Registration". The form fields are as follows:

- Name:** Hina Yadav
- Email Address:** Yadavhina2082@gmail.com
- Password:** ..... (only four dots shown)
- Confirm Password:** ..... (only four dots shown)

Below the form, three validation error messages are displayed in red:

- Password must be at least 8 characters.
- Password must contain a special character.
- Passwords do not match.

A blue "Register" button is located at the bottom of the form.



The codes are given below:

Registration.html

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>User Registration</title>
    <link rel="stylesheet" href="style.css">
</head>
<body>

<div class="container">
    <h2>User Registration</h2>

    <form action="process.php" method="POST">
        <label>Name</label>
```

```
<input type="text" name="name" required>

<label>Email Address</label>
<input type="email" name="email" required>

<label>Password</label>
<input type="password" name="password" required>

<label>Confirm Password</label>
<input type="password" name="confirm_password" required>

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

</body>
</html>
```

## Style.css

```
body {
    font-family: Arial, sans-serif;
    background: #f2f2f2;
}
```

```
.container {
    width: 400px;
    margin: 60px auto;
    background: white;
    padding: 25px;
    border-radius: 5px;
}
```

```
label {  
    display: block;  
    margin-top: 10px;  
    font-weight: bold;  
}  
  
input {
```

```
    width: 100%;  
    padding: 8px;  
    margin-top: 5px;  
}
```

```
button {  
    width: 100%;  
    margin-top: 15px;  
    padding: 10px;  
    background: #2196F3;  
    color: white;  
    border: none;  
    cursor: pointer;  
}
```

```
.error {  
    color: red;  
}  
  
}
```

```
.success {  
    color: green;  
}
```

Process.php

<?php

\$errors = [];

\$success = "";

if (\$\_SERVER["REQUEST\_METHOD"] === "POST") {

    \$name = trim(\$\_POST["name"]);

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

    \$password = \$\_POST["password"];

    \$confirm = \$\_POST["confirm\_password"];

/\* =====

VALIDATION

===== \*/

if (empty(\$name)) {

    \$errors[] = "Name is required.;"

}

if (empty(\$email) || !filter\_var(\$email, FILTER\_VALIDATE\_EMAIL)) {

    \$errors[] = "Valid email is required.;"

}

if (strlen(\$password) < 8) {

    \$errors[] = "Password must be at least 8 characters.;"

}

if (!preg\_match("/[@\$!%\*?&]/", \$password)) {

    \$errors[] = "Password must contain a special character.;"

```
}

if ($password !== $confirm) {
    $errors[] = "Passwords do not match.";
}

/*
=====
PROCESS DATA
=====
*/

if (empty($errors)) {

    $file = "users.json";

    if (!file_exists($file)) {
        die("User database not found.");
    }

    $users = json_decode(file_get_contents($file), true);

    $newUser = [
        "name" => $name,
        "email" => $email,
        "password" => password_hash($password, PASSWORD_DEFAULT)
    ];

    $users[] = $newUser;

    if (file_put_contents($file, json_encode($users, JSON_PRETTY_PRINT))) {
        $success = "Registration successful!";
    } else {

```

```
$errors[] = "Failed to save user data.";  
}  
}  
}  
?  

```

```
<!DOCTYPE html>  
<html>  
<head>  
    <title>Registration Result</title>  
    <link rel="stylesheet" href="style.css">  
</head>  
<body>
```

```
<div class="container">  
  
<?php  
if (!empty($errors)) {  
    foreach ($errors as $error) {  
        echo "<p class='error'>$error</p>";  
    }  
} else {  
    echo "<p class='success'>$success</p>";  
}  
?  

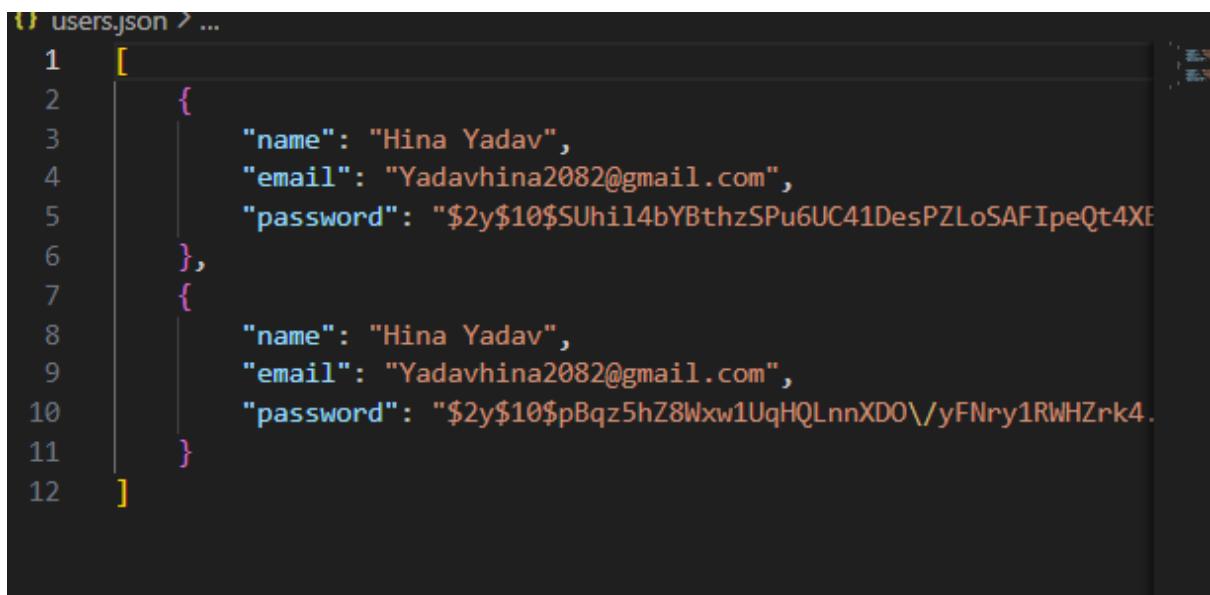
```

```
<a href="registration.html">Go Back</a>
```

```
</div>
```

```
</body>
```

```
</html>
```



```
1  [
2    {
3      "name": "Hina Yadav",
4      "email": "Yadavhina2082@gmail.com",
5      "password": "$2y$10$SUhil4bYBthzSPu6UC41DesPZLoSAFIpeQt4Xf
6    },
7    {
8      "name": "Hina Yadav",
9      "email": "Yadavhina2082@gmail.com",
10     "password": "$2y$10$pBqz5hZ8Wxw1UqHQLnnXD0\yFNry1RWHZrk4.
11   }
12 ]
```

The Git hub link is below:

<https://github.com/aman2072/Full-Stack-Development-FSD-/tree/main/Week4>