

# Index.php

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
  <meta charset="UTF-8">
```

```
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```
  <title>User Registration and Login</title>
```

```
</head>
```

```
<body>
```

```
  <h1>User Registration</h1>
```

```
  <form action="register.php" method="post">
```

```
    <label for="username">Username:</label>
```

```
    <input type="text" id="username" name="username" required><br>
```

```
    <label for="password">Password:</label>
```

```
    <input type="password" id="password" name="password" required><br>
```

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

```
</form>
```

```
<h1>User Login</h1>
```

```
<form action="login.php" method="post">
```

```
  <label for="username">Username:</label>
```

```
  <input type="text" id="username" name="username" required><br>
```

```
  <label for="password">Password:</label>
```

```
  <input type="password" id="password" name="password" required><br>
```

```
  <button type="submit">Login</button>
```

```
</form>
```

```
</body>
```

```
</html>
```

### **Register.php**

```
<?php
if ($_SERVER["REQUEST_METHOD"] == "POST") {
    $username = $_POST["username"];
    $password = password_hash($_POST["password"], PASSWORD_BCRYPT); // Hash the password

    // Store username and hashed password in a database or file
    // Example: using a simple file for demonstration purposes
    file_put_contents("users.txt", "$username:$password\n", FILE_APPEND);

    echo "Registration successful. You can now <a href='index.php'>login</a>.";
}
?>
```

### **Login.php**

```
<?php
if ($_SERVER["REQUEST_METHOD"] == "POST") {
    $username = $_POST["username"];
    $password = $_POST["password"];

    // Retrieve user data from the database or file
    // Example: using a simple file for demonstration purposes
    $users = file("users.txt", FILE_IGNORE_NEW_LINES);

    foreach ($users as $user) {
        list($storedUsername, $hashedPassword) = explode(":", $user);
        if ($storedUsername === $username && password_verify($password, $hashedPassword)) {
            echo "Login successful. Welcome, $username!";
            exit;
        }
    }
}
```

```
}
```

```
echo "Invalid username or password. <a href='index.php'>Try again</a>.";
```

```
}
```

```
?>
```