

Assignment – 2

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1. Create Flask App
2. Add Home Page, About Page
3. Add Bootstrap
4. Add the Sign up Page and Login Page

HTML Code for Sign Up Page:

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title style="font-family: sans-serif">Sign up</title>
</head>
<style>
h1{
text-align: center; font-size: 10ch; color: rgb(15, 15, 15);
}
body{
background-color: rgba(84, 22, 126, 0.651);text-align: center;
}
body{
background-image: url("im.gif"); background-position: center; background-repeat:
no-repeat; background-size: cover;
}

p{
color: rgb(19, 14, 14);
font-size: x-large;
font-family:'Times New Roman', Times, serif;
}
small{
```

```
color:rgba(168, 61, 61, 0.71); font-size:3ch;
}
input[type=submit] {
background-color: rgba(0, 0, 0, 0);
font-family: 'Times New Roman', Times, serif; border: none;
color: white; padding: 15px 10px; text-decoration: none; margin: 2px 2px; cursor:
pointer;
}
</style>
<body>
<h1><u>SIGNUP</u></h1>
<form method="POST" action="">
<p>USERNAME</p>
<input type="text" name="username" id="username" maxlength="25" size="25"
required>
<p>EMAIL</p>
<input type="text" name="email" id="email" maxlength="25" size="25" required>
<p>ROLL NUMBER</p>
<input type="text" name="rno" id="rno" maxlength="25" size="25"
required><p>PASSWORD</p>
<input type="password" name="password" id="password" maxlength="25" size="25"
required>
<br><br>
<input type="submit" value="SIGNUP">
<br><br>
<small><u>ALREADY HAVE AN ACCOUNT<a href="{{ url_for('login')
}}"><br></u>
<small><u>LOGIN</u></small>
</form>
</body>
</html>
```

Sign Up Function in Flask:

```
@app.route("/",methods=["GET","POST"]) def signup():
if (request.method=="POST"):
rno = request.form.get("rno",'') email = request.form.get("email")
username = request.form.get("username",'') password =
request.form.get("password",'')

with sqlite3.connect("users.db") as con: cur = con.cursor()
cur.execute("INSERT INTO user (roll_number,email,username,password) VALUES
(?,?,?,?)",(rno,email,username,password) )
con.commit()
return redirect(url_for('login')) return render_template("signup.html")
```

Output:

SIGNUP

USERNAME

EMAIL

ROLL NUMBER

PASSWORD

SIGNUP

[ALREADY HAVE AN ACCOUNT](#)
[LOGIN](#)

HTML Code for Login Page:

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<title>Login</title>
<link href="style.css">
</head>
<style>
h1{
text-align: center; font-size: 10ch; color: rgb(15, 15, 15);
}
body{
background-color: rgba(17, 15, 87, 0.651);text-align: center;
}
body{
background-image: url("im.gif"); background-position: center; background-repeat:
no-repeat; background-size: cover;
}

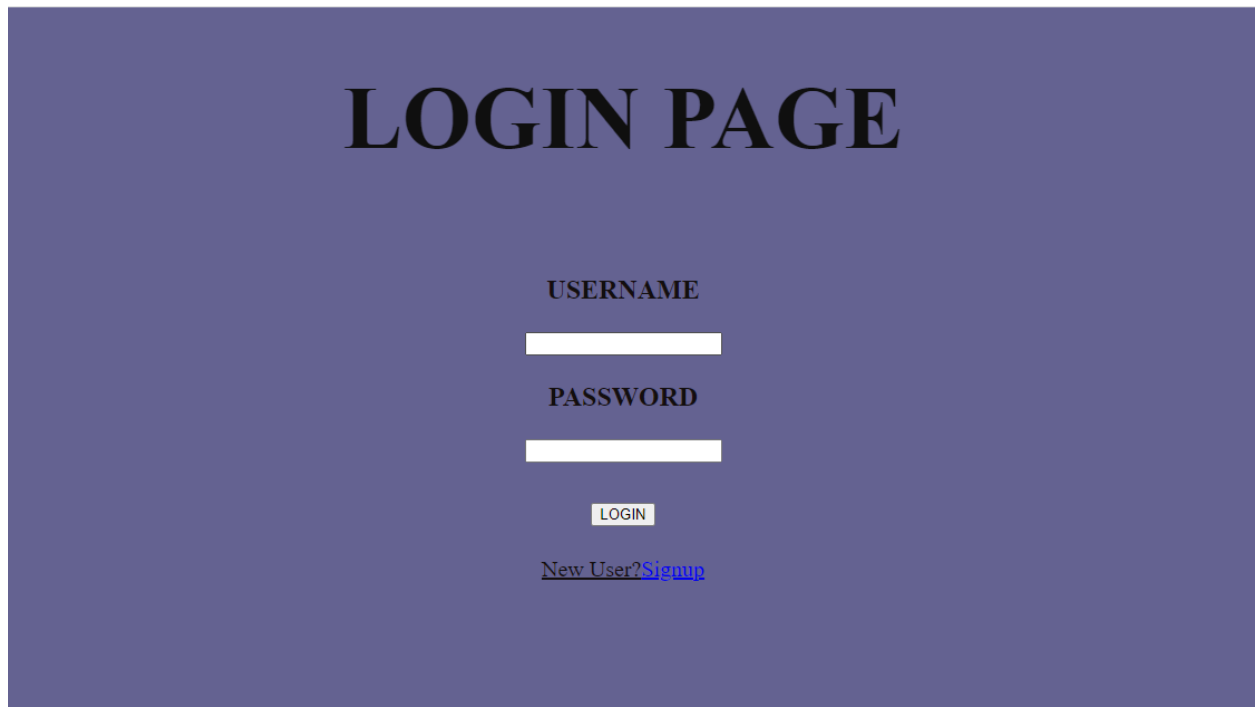
p{
color: rgb(19, 14, 14);
font-size: x-large;
font-family:'Times New Roman', Times, serif;
}
</style>
<body>

<h1>LOGIN PAGE</h1> <br>
<form method="POST" action="">
<p><b>USERNAME</b></p>
<input type="text" name="username" id = "username"> <br>
<p><b>PASSWORD</b></p>
<input type="password" name="password" id="password"> <br>
<br><br>
<input type="submit" value="LOGIN">
<p><small><u>New User?</u><a href="{{ url_for('signup')
}}">Signup</a></small></p>
</form>
</body>
</html>
```

Login Function in Flask:

```
@app.route("/login",methods=["GET","POST"]) def login():
if request.method=="POST":
username = request.form.get("username",'') password = request.form.get("password",'')
with sqlite3.connect("users.db") as con:
cur = con.cursor()
cur.execute("select * from user where username=(?) and password=(?)",(username,password))
result = cur.fetchone() con.commit()
if result==None:
return render_template("login.html",msg="Invalid Username and
password")
else:
return render_template("home.html",username=result[1]) return
render_template("login.html")
```

Output:



LOGIN PAGE

USERNAME

PASSWORD

LOGIN

[New User?Signup](#)

HTML Code for Home Page:

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

<head>
<meta charset="UTF-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Home Page</title>
<script src="https://kit.fontawesome.com/1625eab60d.js" crossorigin="anonymous"></script>
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.1/dist/css/bootstrap.min.css"
rel="stylesheet"
integrity="sha384- iYQeCzEYFbKjA/T2uDLTpkwGzCiq6soy8tYaI1GyVh/UjpbCx/TYkiZhlZB6+fzT"
crossorigin="anonymous">
<link rel="stylesheet" href="211419106033.css">
</head>
<body>
  <nav class="navbar navbar-dark bg-dark">
    <div class="container-fluid">
      <a class="navbar-brand" href="#"><h1>Plasma Donor</h1></a>
      <div class="navbar-nav">
        <ul class="nav justify-content-end">
          <li class="nav-item">
            <a class="nav-link active" aria-current="page" href="/signin">
Sign in</a>

          </li>
          <li class="nav-item">
            <a class="nav-link" href="/about">About</a>
          </li>
        </ul>
        <h1 align="center">Plasma Donor Application</h1>
      </div>
    </div>
  </nav>
  <div style="background-image:url('/static/img/image.jpg');"></div>
  <div class="main" align="center">
    <h1>You warmly welcome to this home page</h1>
  </div>

</body>
</html>
```

Output:



You warmly welcome to this home page

HTML Code for About Page:

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

<head>
<meta charset="UTF-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>About Page</title>
<script src="https://kit.fontawesome.com/1625eab60d.js" crossorigin="anonymous"></script>
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.1/dist/css/bootstrap.min.css"
rel="stylesheet"
integrity="sha384- iYQeCzEYFbKjA/T2uDLTpkwGzCiq6soy8tYaI1GyVh/UjpbCx/TYkiZhlZB6+fzT"
crossorigin="anonymous">
<link rel="stylesheet" href="211419106033.css">
</head>
<body style="background-color: rgba(33, 105, 153, 0.815)">
  <div align="center">
    <h1>About</h1><br><br><br><br>
    <h4>This is the Assignment 2 of the Cloud Application Development</h4>
  </div>
</body>
</html>
```

Output:

About

This is the Assignment 2 of the Cloud Application Development