Assignment -2

Flask

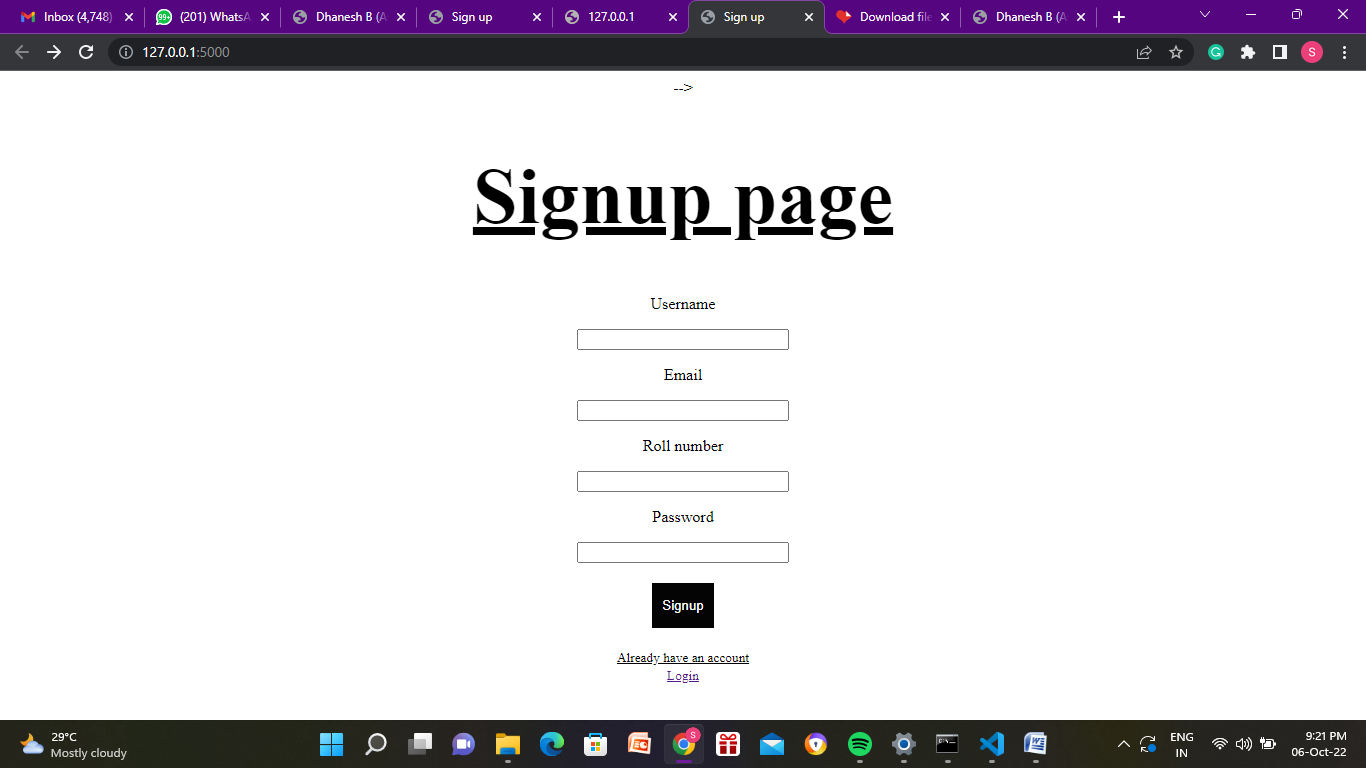
|  |  |
| --- | --- |
| Assignment Date | 21 September 2022 |
| Student Name | Senthil Kumaran K |
| Student Roll Number | 111519205041 |
| Maximum Marks | 2 Marks |

1. Create user table with user with email, username, roll number and password

-- Creating a user table in sqlite3

Create table user (Email varchar (51), Username varchar (51), Roll number int,Password varchar(21));

* 1. Create a flask app with registration page, login page and welcome page. By default, load the registration page once the user enters all the fields store the data in database and navigate to login page authenticate user username and password. If the user is valid show the welcome page.



Code: -

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Sign up</title>

</head>

<style>

    h1{

        text-align: center;

        font-size: 10ch;

        color: black;

    }

    body{

        background-color: white;

        text-align: center;

    }

    input[type=submit] {

        background-color: #040404;

        border: none;

        color: #fff;

        padding: 15px 10px;

        text-decoration: none;

        margin: 2px 2px;

        cursor: pointer;

      }

</style> -->

<body>

    <h1><u>Signup page</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>

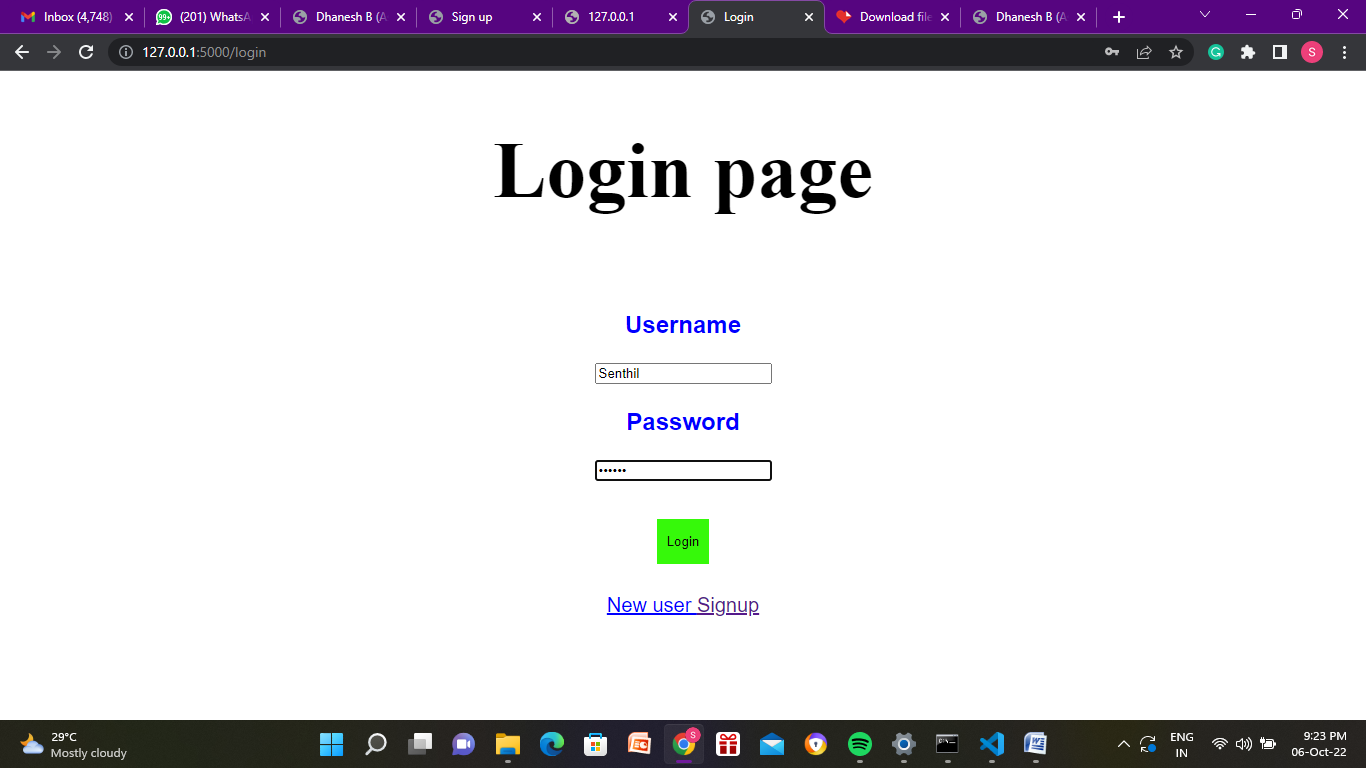
        <small><u>Already have an account<a href="{{ url\_for('login') }}"> <br></u>Login</a></small>

    </form>

</body>

</html>

Login Page: -



Code: -

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <title>Login</title>

    <link href="style.css">

</head>

<style>

    h1{

        text-align: center;

        color: black;

        font-size: 500%;

        color: black;

    }

    body{

        text-align: center;

    }

    p{

        font-size: larger;

        font-family: Arial, Helvetica, sans-serif;

        font-size: x-large;

        color: blue;

    }

    input[type=submit] {

        background-color: #36f90a;

        border: none;

        color: rgb(10, 9, 9);

        padding: 15px 10px;

        text-decoration: none;

        margin: 2px 2px;

        cursor: pointer;

      }

</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>

Flask Code: -

from flask import Flask,render\_template,flash,request,redirect,url\_for

import sqlite3

app = Flask(\_\_name\_\_)

@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")

@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")

if \_\_name\_\_=="\_\_main\_\_":

    app.run(debug=True)

Database Connectivity

db.py:

import sqlite3

conn = sqlite3.connect('users.db')

conn.execute('''create table user( email varchar(100),username varchar(100),roll\_number int PRIMARY KEY,password varchar(100));''')

conn.close()

OUTPUT:

