

ASSIGNMENT 4

WORK WITH FLASK AND DATABASE CONNECTIVITY

app.py

```
from flask import Flask, render_template, request, redirect
import mysql.connector

app=Flask(__name__)
conn =
mysql.connector.connect(host="localhost",port="3306",user="root",password="yashu@632",database="Student",auth_plugin='mysql_native_password')
cursor = conn.cursor()
@app.route("/")
def login():
    return render_template('login.html')

@app.route('/register')
def about():
    return render_template('register.html')
@app.route('/home')
def home():
    return render_template('home.html')
@app.route('/login_validation', methods=['POST'])
def login_validation():
    email=request.form.get('email')
    password=request.form.get('password')
    cursor.execute("""SELECT * FROM `student` WHERE `StudEmail` like '{}' AND
`StudPass` LIKE '{}' """.format(email,password))
    users=cursor.fetchall()
    if len(users)>0:
        return redirect('/home')
    else:
        return redirect('/')
@app.route('/add_user', methods=['POST'])
def add_user():
    name=request.form.get('StudName')
    email=request.form.get('StudEmail')
    password=request.form.get('StudPass')
    id=request.form.get('StudID')
    dept = request.form.get('StudDept')

    cursor.execute("""INSERT INTO `student`
(`StudID`,`StudEmail`,`StudPass`,`StudName`,`StudDept`) VALUES
(NULL,'{}','{}','{}',NULL) """.format(name,email,password))
    conn.commit()
    return "User registered successfully"

if __name__ == '__main__':
    app.run()
```

home.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.1/dist/css/bootstrap.rtl.min
.css" integrity="sha384-
OXTEbYDqaX2ZY/BOaZV/yFGChYHtrXH2nyXJ372n2Y8abBhrqacCEe+3qhSHtLjy"
crossorigin="anonymous">
<link rel="stylesheet" type="text/css"
href="{{url_for('static',filename='css/style.css')}}">
  <title>Home page</title>
</head>
<style>body{
  width: 100%;
  background-image:url("https://149363560.v2.pressablecdn.com/wp-
content/uploads/2019/09/sea-4420591_1920.jpg");
  background-position: center;
  background-size: cover;
  height: 100vh;
}
nav,a{
padding:40px
}

</style>
<body>
<div class="bg-nav text-light d-flex flex-column flex-md-row align-items-
center p-3 px-md-4 mb-3 bg-white border-bottom shadow-sm">
  <h5 class="my-0 mr-md-auto font-weight-normal">Skills and Job
Recommender</h5>
  <nav class="my-2 my-md-0 mr-md-3 ">
    <a class="p-2 text-light" href="#">Home</a>
    <a class="p-2 text-light" href="#">Job Analysis</a>
    <a class="p-2 text-light" href="#">Profile</a>
    <a class="p-2 text-light" href="#">Settings</a>
  </nav>
  <a class="btn btn-outline-primary" href="#">Logout</a>
</div>

<script src="https://code.jquery.com/jquery-3.3.1.slim.min.js"
integrity="sha384-
u10knCvxWvY5kfmNBILK2hRnQC3Pr17a+RTT6rIHI7NnikvbZlHgTPOOmMi466C8"
crossorigin="anonymous"></script>

  <!-- Option 2: Separate Popper and Bootstrap JS -->
  <script
src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.7/umd/popper.min.j
s" integrity="sha384-
oBqDVmMz9ATKxIep9tiCxS/Z9fNfEXiDAYTujMAeBAsjFuCZSmKbSSUnQlhm/jp3"
crossorigin="anonymous"></script>
  <script
```

```

src="https://stackpath.bootstrapcdn.com/bootstrap/4.3.21/js/bootstrap.min.js"
integrity="sha384-
7VPbUDkoPSGFnVtYi0QogXtr74QeVeeIs99Qfg5YCF+TidwNdjvaKZX19NZ/e6oz"
crossorigin="anonymous"></script>

</body>
</html>

```

login.html

```

<!doctype html>
<html lang="en" >
  <head>
    <!-- Required meta tags -->
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1,
shrink-to-fit=no">

    <!-- Bootstrap CSS -->
    <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.1/dist/css/bootstrap.rtl.min
.css" integrity="sha384-
OXTEbYDqaX2ZY/BOaZV/yFGChYHtrXH2nyXJ372n2Y8abBhrqacCEe+3qhSHtLjy"
crossorigin="anonymous">
    <link rel="stylesheet" type="text/css"
href="{{url_for('static',filename='css/style.css')}}">
    <title>Login page</title>
  </head>

  <body class="bg-nav">
    <nav class="navbar bg-nav">
      <a href="" class="navbar-brand text-light">IBM</a>
    </nav>

    <div class="container">
      <div class="row">
        <div class="col-md-8">
          <h1 class="text-light display-4 mt-100" style="font-
size:80px">Skills and Job recommender</h1>
        </div>
        <div class="col-md-4">
          <div class="card">
            <div class="card-body">
              <form class="form" method="post" action="/login_validation">
                <label>Email</label><br>
                <input typr="email" class="form-control" name="email"><br>
                <label>Password</label><br>
                <input type="password" class="form-control"
name="password"><br><br>
                <input type="submit" class="btn btn-primary btn-block btn-lg"
value="Login">
              </form>
            </div>
          </div>
        </div>
      </div>
    </div>
  </body>
</html>

```

```

        <p class="mt-2">Not a member? <a href="/register">Create
Account</a></p>
    </div>
</div>
</div>
</div>
</div>
</div>

<!-- Optional JavaScript; choose one of the two! -->

<!-- Option 1: Bootstrap Bundle with Popper -->
<script src="https://code.jquery.com/jquery-3.3.1.slim.min.js"
integrity="sha384-
u10knCvxWvY5kfmNBILK2hRnQC3Pr17a+RTT6rIHI7NnikvbZlHgTPOOmMi466C8"
crossorigin="anonymous"></script>

<!-- Option 2: Separate Popper and Bootstrap JS -->
<script
src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.7/umd/popper.min.j
s" integrity="sha384-
oBqDVmMz9ATKxIep9tiCxS/Z9fNfEXiDAYTujMAeBAsjFuCZSmKbSSUnQlmh/jp3"
crossorigin="anonymous"></script>
<script
src="https://stackpath.bootstrapcdn.com/bootstrap/4.3.2/js/bootstrap.min.js"
integrity="sha384-
7VPbUDkoPSGFnVtYi0QogXtr74QeVeeIs99Qfg5YCF+TidwNdjvaKZX19NZ/e6oz"
crossorigin="anonymous"></script>

</body>
</html>

```

register.html

```

<!doctype html>
<html lang="en" >
<head>
    <!-- Required meta tags -->
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1,
shrink-to-fit=no">

    <!-- Bootstrap CSS -->
    <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.1/dist/css/bootstrap.rtl.min
.css" integrity="sha384-
OXTEbYDqaX2ZY/BOaZV/yFGChYHtrXH2nyXJ372n2Y8abBhrqacCEe+3qhSHtLjy"
crossorigin="anonymous">
    <link rel="stylesheet" type="text/css"
href="{url_for('static',filename='css/style.css')}">

```

```

    <title>Hello, world!</title>
</head>

<body class="bg-nav">
<nav class="navbar bg-nav">
    <a href="" class="navbar-brand text-light">IBM</a>
</nav>

<div class="container">
    <div class="row">
        <div class="col-md-8">
            <h1 class="text-light display-4 mt-100" style="font-size:80px">Skills and Job recommender</h1>
        </div>
        <div class="col-md-4">
            <div class="card">
                <div class="card-body">
                    <form class="form" method="post" action="/add_user">
                        <label>Name</label><br>
                        <input type="text" class="form-control" name="name"><br>
                        <label>Email</label><br>
                        <input type="email" class="form-control" name="email"><br>
                        <label>Password</label><br>
                        <input type="password" class="form-control"
name="password"><br><br>
                        <input type="submit" class="btn btn-primary btn-block btn-lg"
value="Login">
                    </form>
                    <p class="mt-2">Already a member? <a href="/">Login Here</a></p>
                </div>
            </div>
        </div>
    </div>

    <!-- Optional JavaScript; choose one of the two! -->

    <!-- Option 1: Bootstrap Bundle with Popper -->
    <script src="https://code.jquery.com/jquery-3.3.1.slim.min.js"
integrity="sha384-
u10knCvxWvY5kfmNBILK2hRnQC3Pr17a+RTT6rIHI7NnikvbZlHgTPOOmMi466C8"
crossorigin="anonymous"></script>

    <!-- Option 2: Separate Popper and Bootstrap JS -->
    <script
src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.7/umd/popper.min.js"
s" integrity="sha384-
oBqDVmMz9ATKxIep9tiCxS/Z9fNfEXiDAYTujMAeBAsjFuCZSmKbSSUnQlhm/jp3"
crossorigin="anonymous"></script>
    <script
src="https://stackpath.bootstrapcdn.com/bootstrap/4.3.21/js/bootstrap.min.js"
integrity="sha384-
7VPbUDkoPSGFnVtYi0QogXtr74QeVeeIs99Qfg5YCF+TidwNdjvaKZX19NZ/e6oz"
crossorigin="anonymous"></script>

```

```
</body>
</html>
```

style.css

```
.bg-nav{
background:#ff0084;
background: -webkit-linear-gradient(to right,#33001b,#ff0084);
background:linear-gradient(to right,#33001b,#ff0084);
}
.mt-100{
margin-top:100px;
}
```

MYSQL Workbench

MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

student

Tables

student

Views

Stored Procedures

Functions

sys

SQL Editor

1 • SELECT * FROM student.student;

Result Grid

StudID	StudEmail	StudPass	StudName	StudDe
1	yashu632@gmail.com	yashu632	Yashu	CSE
2	raghu2002@gmail.com	raghu@2002	Raghu	IT

Form Editor

student 1 x

Apply Revert Context Help Snippets

Information

Table: student

Columns:

StudID int PK

StudEmail varchar(4) PK

StudPass varchar(4) PK

StudName varchar(4) PK

Object Info Session

Action Output

#	Time	Action	Message	Duration / Fetch
1	00:07:44	SELECT * FROM student.student LIMIT 0, 1000	4 row(s) returned	0.000 sec / 0.000 sec
2	00:09:45	TRUNCATE 'student'.student	OK	0.000 sec
3	00:10:08	DROP TABLE 'student'.student	0 row(s) affected	0.093 sec
4	00:12:37	Apply changes to Student	Changes applied	
5	00:12:57	SELECT * FROM student.student LIMIT 0, 1000	0 row(s) returned	0.015 sec / 0.000 sec
6	01:12:44	SELECT * FROM student.student LIMIT 0, 1000	2 row(s) returned	0.000 sec / 0.000 sec

Type here to search

30°C Haze

ENG IN

1:12 AM

10/3/2022

OUTPUT:



