**Assignment - 2**

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| Assignment Date | 31 October 2022 |
| Student Name | Shakthi Dharun R |
| Student Roll Number | 727720EUIT510 |
| Maximum Marks | 2 Marks |

**Question:**

1. Create a Flask App

2. Add the Home page, About Page

3. Add the Bootstrap

4. Add the Sign in page and App the Signup Page + database connectivity

**Output:**

**App.py**

from flask import Flask

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

import ibm\_db

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

app.config['DEBUG'] = True

db\_connection = ibm\_db.connect(

"DATABASE=bludb;QUERYTIMEOUT=1;CONNECTTIMEOUT=10;HOSTNAME=19af6446-6171-4641-8aba-9dcff8e1b6ff.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud;PORT=30699;SECURITY=SSL;SSLServerCertificate=./DigiCertGlobalRootCA.crt;PROTOCOL=TCPIP;UID=gyl24444;PWD=0Rnfd15Y263ASIW7", "", "")

@app.route("/", methods=["GET", "POST"])

def register():

if request.method == 'POST':

data = request.form.to\_dict()

print(data)

sql\_query = f"INSERT INTO User (username, email, roll\_no, password) VALUES('{data['username']}', '{data['email']}', '{data['roll\_no']}', '{data['password']}')"

ibm\_db.exec\_immediate(db\_connection, sql\_query)

return redirect(url\_for("login"))

if request.method == "GET":

return render\_template("signup.html")

@app.route("/login", methods=["GET", "POST"])

def login():

if request.method == 'POST':

data = request.form.to\_dict()

sql\_query = f"SELECT password from User WHERE username = '{data['username']}'"

result = ibm\_db.exec\_immediate(db\_connection, sql\_query)

value = ibm\_db.fetch\_tuple(result)

if value[0] == data["password"]:

return redirect(url\_for("welcome"))

else:

return "<p style=color:red;>Invalid Credentials</p>"

if request.method == "GET":

return render\_template("signin.html")

@app.route("/welcome", methods=["GET"])

def welcome():

return "<h1 style=color:green;>Welcome!!!!!</h1>"

if \_\_name\_\_ == '\_\_main\_\_':

app.run()

**Signin.html:**

<!DOCTYPE html>

<html lang="en">

<head>

<title>Login | By Code Info</title>

<link rel="stylesheet" href="style.css" />

<link

href="https://fonts.googleapis.com/css2?family=Roboto:wght@300&display=swap"

rel="stylesheet"

/>

</head>

<body>

<div class="login-box">

<h1>Login</h1>

<form>

<label>Email</label>

<input type="email" placeholder="" />

<label>Password</label>

<input type="password" placeholder="" />

<input type="button" value="Submit" />

</form>

</div>

<p class="para-2">

Not have an account? <a href="signup.html">Sign Up Here</a>

</p>

</body>

</html>

**Signup.html;**

<!DOCTYPE html>

<html lang="en">

<head>

<title>Sign Up | By Code Info</title>

<link rel="stylesheet" href="style.css" />

<link

href="https://fonts.googleapis.com/css2?family=Roboto:wght@300&display=swap"

rel="stylesheet"

/>

</head>

<body>

<div class="signup-box">

<h1>Sign Up</h1>

<h4>It's free and only takes a minute</h4>

<form>

<label>First Name</label>

<input type="text" placeholder="" />

<label>Last Name</label>

<input type="text" placeholder="" />

<label>Email</label>

<input type="email" placeholder="" />

<label>Password</label>

<input type="password" placeholder="" />

<label>Confirm Password</label>

<input type="password" placeholder="" />

<input type="button" value="Submit" />

</form>

<p>

By clicking the Sign Up button,you agree to our <br />

<a href="#">Terms and Condition</a> and <a href="#">Policy Privacy</a>

</p>

</div>

<p class="para-2">

Already have an account? <a href="signin.html">Login here</a>

</p>

</body>

</html>

**Style.css:**

body {

background-color: #344a72;

font-family: "Roboto", sans-serif;

}

.signup-box {

width: 360px;

height: 620px;

margin: auto;

background-color: white;

border-radius: 3px;

}

.login-box {

width: 360px;

height: 280px;

margin: auto;

border-radius: 3px;

background-color: white;

}

h1 {

text-align: center;

padding-top: 15px;

}

h4 {

text-align: center;

}

form {

width: 300px;

margin-left: 20px;

}

form label {

display: flex;

margin-top: 20px;

font-size: 18px;

}

form input {

width: 100%;

padding: 7px;

border: none;

border: 1px solid gray;

border-radius: 6px;

outline: none;

}

input[type="button"] {

width: 320px;

height: 35px;

margin-top: 20px;

border: none;

background-color: #49c1a2;

color: white;

font-size: 18px;

}

p {

text-align: center;

padding-top: 20px;

font-size: 15px;

}

.para-2 {

text-align: center;

color: white;

font-size: 15px;

margin-top: -10px;

}

.para-2 a {

color: #49c1a2;

}

Database connectivity:



