**Assignment -3**

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| Batch no | 4 |
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| Student Reg Number | 921319104010 |

**Question-1:**

1.Create a Bucket in IBM object storage.

2.Upload an 5 images to ibm object storage and make it public. write html code to displaying all the 5 images.

3.Upload a css page to the object storage and use the same page in your HTML code.

4.Design a chatbot using IBM Watson assistant for hospital. Ex: User comes with query to know the branches for that hospital in your city. Submit the web URL of that chat bot as a assignment.

5.Create Watson assistant service with 10 steps and use 3 conditions in it. Load that script in HTML page.

**SOLUTION**

**templates**

**home.html**

<!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>Document</title>

</head>

<body>

WELCOME

<button><a href="/logout">LOGOUT</a></button>

</body>

</html>

**login.html**

<!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>Login</title>

</head>

<body>

<h3>Login</h3>

<form method="POST">

<input type="email" name="email" placeholder="Email" required />

<input type="password" name="password" placeholder="Password" required />

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

</form>

<p>{{success}}</p>

<p style="color: red">{{error}}</p>

<a href="/register">Don't have an account? Register</a>

</body>

</html>

**register.html**

<!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>Register</title>

</head>

<body class="container">

<h3>Register</h3>

<form method="POST">

<input type="email" name="email" placeholder="Email" required />

<input type="text" name="username" placeholder="Username" required />

<input type="text" name="rollNo" placeholder="RollNo" required />

<input type="password" name="password" placeholder="Password" required />

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

</form>

<p>{{success}}</p>

<p style="color: red">{{error}}</p>

<a href="/login">Already have an account? Login</a>

</body>

</html>

**app.py**

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

import ibm\_db

import bcrypt

conn = ibm\_db.connect("DATABASE=bludb;HOSTNAME=;PORT=;SECURITY=SSL;SSLServerCertificate=DigiCertGlobalRootCA.crt;UID=;PWD=",'','')

# url\_for('static', filename='style.css')

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

app.secret\_key = b'\_5#y2L"F4Q8z\n\xec]/'

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

def home():

if 'email' not in session:

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

return render\_template('home.html',name='Home')

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

def register():

if request.method == 'POST':

email = request.form['email']

username = request.form['username']

rollNo = request.form['rollNo']

password = request.form['password']

if not email or not username or not rollNo or not password:

return render\_template('register.html',error='Please fill all fields')

hash=bcrypt.hashpw(password.encode('utf-8'),bcrypt.gensalt())

query = "SELECT \* FROM USER WHERE email=? OR rollNo=?"

stmt = ibm\_db.prepare(conn, query)

ibm\_db.bind\_param(stmt,1,email)

ibm\_db.bind\_param(stmt,2,rollNo)

ibm\_db.execute(stmt)

isUser = ibm\_db.fetch\_assoc(stmt)

if not isUser:

insert\_sql = "INSERT INTO User(username,email,PASSWORD,rollNo) VALUES (?,?,?,?)"

prep\_stmt = ibm\_db.prepare(conn, insert\_sql)

ibm\_db.bind\_param(prep\_stmt, 1, username)

ibm\_db.bind\_param(prep\_stmt, 2, email)

ibm\_db.bind\_param(prep\_stmt, 3, hash)

ibm\_db.bind\_param(prep\_stmt, 4, rollNo)

ibm\_db.execute(prep\_stmt)

return render\_template('register.html',success="You can login")

else:

return render\_template('register.html',error='Invalid Credentials')

return render\_template('register.html',name='Home')

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

def login():

if request.method == 'POST':

email = request.form['email']

password = request.form['password']

if not email or not password:

return render\_template('login.html',error='Please fill all fields')

query = "SELECT \* FROM USER WHERE email=?"

stmt = ibm\_db.prepare(conn, query)

ibm\_db.bind\_param(stmt,1,email)

ibm\_db.execute(stmt)

isUser = ibm\_db.fetch\_assoc(stmt)

print(isUser,password)

if not isUser:

return render\_template('login.html',error='Invalid Credentials')

isPasswordMatch = bcrypt.checkpw(password.encode('utf-8'),isUser['PASSWORD'].encode('utf-8'))

if not isPasswordMatch:

return render\_template('login.html',error='Invalid Credentials')

session['email'] = isUser['EMAIL']

return redirect(url\_for('home'))

return render\_template('login.html',name='Home')

@app.route('/logout')

def logout():

session.pop('email', None)

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

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