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Cloud computing

News Tracking Application

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ASSIGNMENT-3:

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.

SOURCE CODE:

Assign3.py

```
From flask import Flask, render_template, request, redirect, url_for,

sessionImport ibm_db

Import

bcryptConn

=

Ibm_db.connect("DATABASE=bludb;HOSTNAME=;PORT=;SECURITY=SSL;S
SLServerCertifi cate=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','PO

ST']) Def register(): if

Request.method == 'POST':

Email = request.form['email']

Username =

Request.form['username']rollNo
```

```python
= 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,ema
il) 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'))
```

Homepage.html

```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>
WELCO
ME
<button><a href="/logout">LOGOUT</a></button>
</body>
</html>
```

Loginpage.html

```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>
```

```html
<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>
```

Registerpage.html

```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>
```

```html
</form>

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

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

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