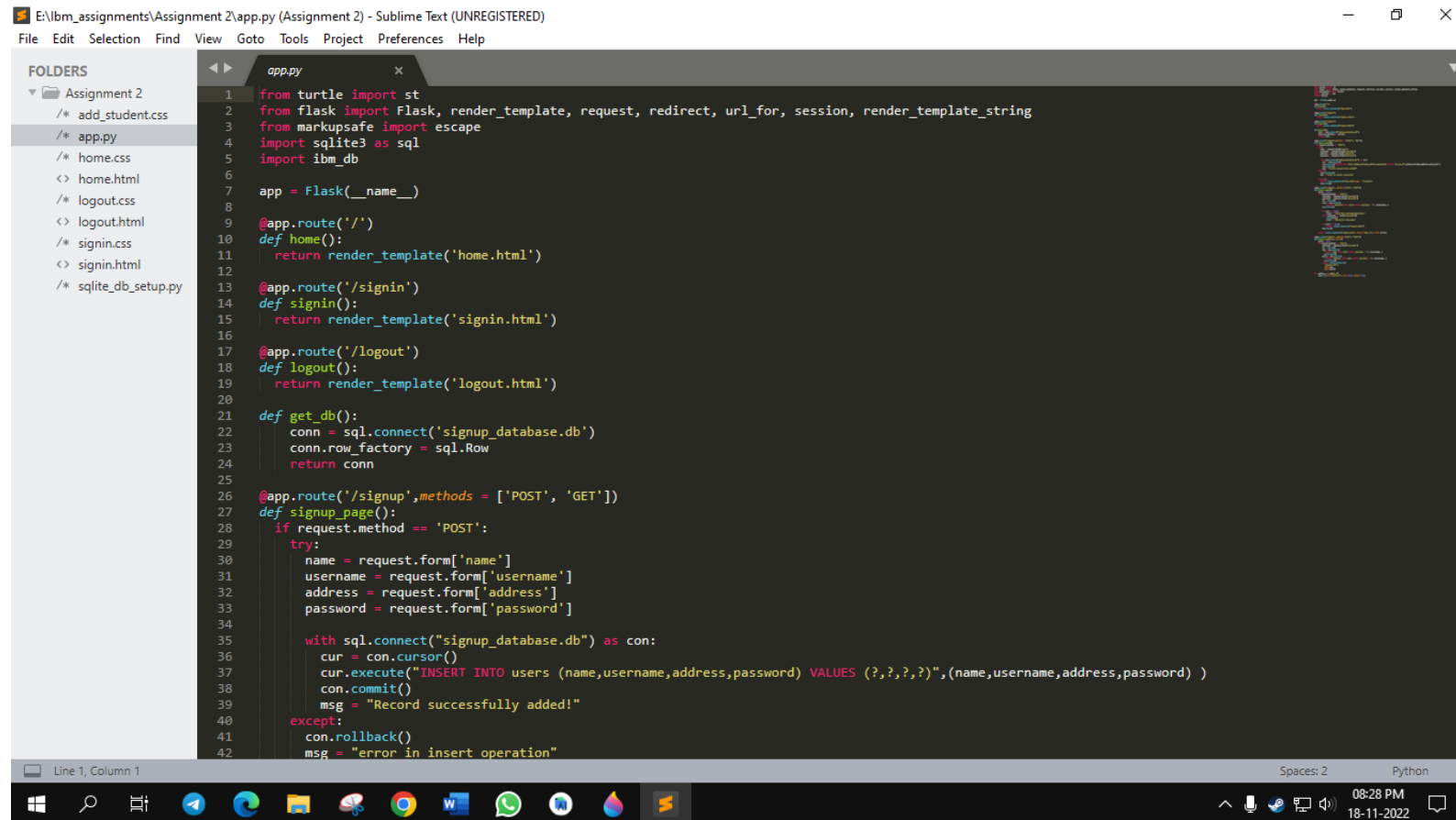


IMPLEMENTING WEB APPLICATION

Create An Account CREATE UI TO INTERACT WITH APPPLICATION

| | |
|--------------|--------------------------|
| Date | 16 November 2022 |
| Team ID | PNT2022TMID37100 |
| Project Name | NEWS TRACKER APPLICATION |

CREATE UI TO INTERACT WITH APPPLICATIONt:



The screenshot shows a Sublime Text editor window titled "E:\lbn_assignments\Assignment 2\app.py (Assignment 2) - Sublime Text (UNREGISTERED)". The editor displays a Python file named "app.py" with the following code:

```
1 from turtle import st
2 from flask import Flask, render_template, request, redirect, url_for, session, render_template_string
3 from markupsafe import escape
4 import sqlite3 as sql
5 import ibm_db
6
7 app = Flask(__name__)
8
9 @app.route('/')
10 def home():
11     return render_template('home.html')
12
13 @app.route('/signin')
14 def signin():
15     return render_template('signin.html')
16
17 @app.route('/logout')
18 def logout():
19     return render_template('logout.html')
20
21 def get_db():
22     conn = sql.connect('signup_database.db')
23     conn.row_factory = sql.Row
24     return conn
25
26 @app.route('/signup', methods = ['POST', 'GET'])
27 def signup_page():
28     if request.method == 'POST':
29         try:
30             name = request.form['name']
31             username = request.form['username']
32             address = request.form['address']
33             password = request.form['password']
34
35             with sql.connect("signup_database.db") as con:
36                 cur = con.cursor()
37                 cur.execute("INSERT INTO users (name,username,address,password) VALUES (?,?,,?)", (name,username,address,password) )
38                 con.commit()
39                 msg = "Record successfully added!"
40         except:
41             con.rollback()
42             msg = "error in insert operation"
```

The left sidebar shows the "FOLDERS" panel with a tree view of the project files: "Assignment 2" (containing "add_student.css", "app.py", "home.css", "home.html", "logout.css", "logout.html", "signin.css", "signin.html", and "sqlite_db_setup.py"). The status bar at the bottom indicates "Line 1, Column 1", "Spaces: 2", "Python", and the system clock shows "08:28 PM 18-11-2022".

FOLDERS

▼ Assignment 2

- /* add_student.css
- /* app.py
- /* home.css
- <> home.html
- /* logout.css
- <> logout.html
- /* signin.css
- <> signin.html
- /* sqlite_db_setup.py

```
34
35
36     with sql.connect("signup_database.db") as con:
37         cur = con.cursor()
38         cur.execute("INSERT INTO users (name,username,address,password) VALUES (?, ?, ?, ?)", (name, username, address, password) )
39         con.commit()
40         msg = "Record successfully added!"
41     except:
42         con.rollback()
43         msg = "error in insert operation"
44
45     finally:
46         return render_template("home.html", msg = "created")
47         con.close()
48
49 @app.route('/signin', methods=('GET', 'POST'))
50 def signin_page():
51     error = None
52     if request.method == 'POST':
53         username = request.form['username']
54         password = request.form['password']
55         db = get_db()
56         user = db.execute(
57             'SELECT password FROM users WHERE username = ?', (username, )
58         ).fetchone()
59
60         if user is None:
61             error = 'Incorrect Username/Password.'
62         elif password != user['password']:
63             print(user)
64             error = 'Incorrect Password.'
65
66         if error is None:
67             return render_template("logout.html")
68             db.close()
69
70     return render_template('signin.html', title='Sign In', error=error)
71
72 @app.route('/logout', methods=('GET', 'POST'))
73 def logout_page(nme, adrss):
74     error = None
75     if request.method == 'POST':
76         username = request.form['username']
```

Line 1, Column 1

Spaces: 2

Python

08:28 PM

18-11-2022

FOLDERS

▼ Assignment 2

- /* add_student.css
- /* app.py
- /* home.css
- <> home.html
- /* logout.css
- <> logout.html
- /* signin.css
- <> signin.html
- /* sqlite_db_setup.py

```
app.py
64
65     if error is None:
66         return render_template("logout.html")
67     db.close()
68
69     return render_template('signin.html', title='Sign In', error=error)
70
71 @app.route('/logout', methods=('GET', 'POST'))
72 def logout_page(nme, adrss):
73     error = None
74     if request.method == 'POST':
75         username = request.form['username']
76         db = get_db()
77         nme = db.execute(
78             'SELECT name FROM users WHERE username = ?', (username, )
79         ).fetchone()
80         adrss = db.execute(
81             'SELECT address FROM users WHERE username = ?', (username, )
82         ).fetchone()
83         return render_template(
84             'logout.html',
85             msg1=nme,
86             msg2=adrss)
87
88 if __name__ == '__main__':
89     app.run(host='0.0.0.0', port=5051, debug=True)
```

Line 1, Column 1

Spaces: 2

Python

