ASSIGNMENT - 2

| Assignment Date | 01 October 2022 |
|---------------------|-----------------|
| Student Name | Somasundaram K |
| Student Roll Number | 311619104070 |
| Maximum Marks | 2 Marks |

Question-1:

Create a Flask App

```
• арр.ру
S: > Project_1 > Assignments > Team Leader > Assignment 2 > flask-app > ♠ app.py > ♠ signin
from flask import Flask, render_template, request, redirect, url_for, flash
    import sqlite3
app = Flask(_name__)
    4 app.secret_key = "69420"
          def init db():
              db = sqlite3.connect('users.db')
with open('schema.sql', 'r') as schema:
db.executescript(schema.read())
               db.commit()
          @app.cli.command('initdb')
def initdb_cmd():
                init_db()
print("Initialised database.")
         print("Initialised database.")
def get_db():
    conn = sqlite3.connect('users.db')
    conn.row_factory = sqlite3.Row
    return conn
@app.route('/')
def index():
                 return render_template('index.html', title='Home')
          @app.route('/about')
def about():
          return render_template('about.html', title='About')
@app.route('/signin', methods=('GET', 'POST'))
           def signin():
                r signin():
error = None

if request.method == 'POST':

username = request.form['username']
password = request.form['password']

db = get_db()
user = db.execute(

'SELECT password FROM users WHERE username = ?', (username, )
                    ).fetchone()
if user is None:
                       error = 'Incorrect Username/Password.'
elif password != user['password']:
                       print(user)
error = 'Incorrect Password.'
if error is None:
                               return redirect(url_for('about'))
         db.close()
return render_template('signin.html', title='Sign In', error=error)
@app.route('/signup', methods=('POST', 'GET'))
                 if request.method == 'POST':
                       request.metnod == PUSI :
username = request.form['username']
password = request.form['password']
email = request.form['email']
name = request.form['name']
                       db = get_db()
                       curr = db.cursor()
                       curr.execute(
'INSERT INTO users (username, password, email, name) VALUES (?, ?, ?);', (username, password, email, name)
                       db.commit()
                       db.close()
return render_template('index.html', title="Home", succ="Registration Successfull!")
          if __name__ == '__app__':
app.run(debug = True)
```

Question-2:

Add the Home page, About Page

Home page

About page

```
about.html X ♦ signin.html ♦ signup.html ♦ base.html
5: > Project_1 > Assignments > Team Leader > Assignment 2 > flask-app > templates > ♦ about.html
    {% extends 'base.html' %}
{% block title %}
About
    {% endblock title %}
    {% block content %}
       <h1>About</h1>
       <h1>Me!</h1>
       Hi, I'm <strong>Somasundaram R</strong>, I like to code and play computer games.
       <h3>Education</h3>
       I am currently in final year of my college studying <strong>COMPUTER SCIENCE & ENGINEERING</strong>.
       <h3>Languages</h3>
       I can speak and write <strong>Tamil</strong> & <strong>English</strong> fluently.
       As for programming languages, please take a look at the below information.
       aria-valuemax="100"></div>
       aria-valuemax="100"></div>
       <div class="progress">
        <div class="progress-bar bg-warning" role="progressbar" style="width: 60%" aria-valuenow="60" aria-valuemin="0"</pre>
            aria-valuemax="100"></div>
       <h5>HTML</h5>
       [% endblock content %]
```

Question-3:

Add the Bootstrap

```
1 </-- Connect Bootstrap -->
2 <link
3    href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.css"
4    rel="stylesheet"
5    />
```

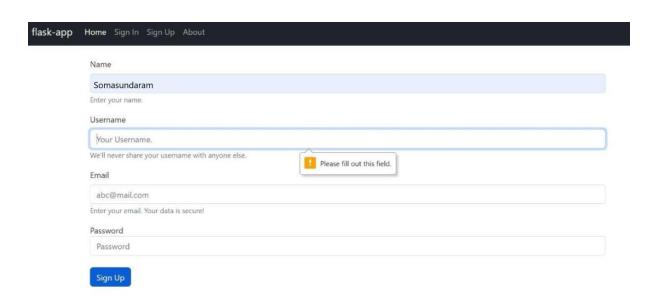
Question-4:

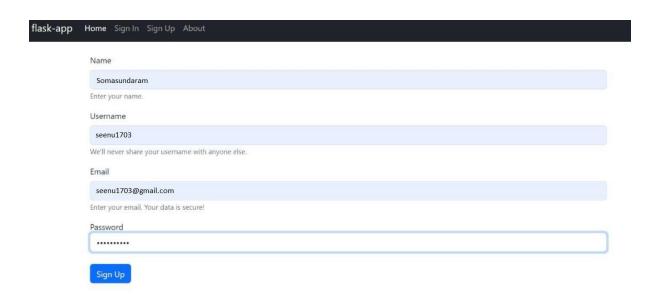
Add the Sign in page and App the Signup Page + database connectivity

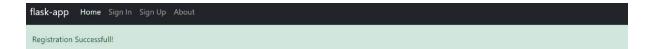
Sign-in page

Sign-up page

<u>Output</u>







WELCOME TO MY SITE

Feel free to browse through the site.

This is a **flask-app** assignment.

was written by

Somasundaram

About
Me!

HITM Somasundaram, like to code and playing games

Education
I am currently in final year of my college studying COMPUTER SCIENCE & ENGINEERING.

Languages
I can speak and write Tamil & English fluently.
As for programming languages, please take a look at the below information.

Python

C

Java

HTML