#### **ASSIGNMENT 2**

Assignment Date	01 October 2022
Student Name	Sanjay S
Student Roll Number	311619104060
Maximum Marks	2 Marks

### Question-1:

Create a Flask App

```
C: > Users > admin > Desktop > PROJ > Project_1 > IBM-Project-32237-1660208722 > Assignments > M1 Lead > Assignment 2 > flask-app > 🌵 app.py > 😯 signin
        from flask import Flask, render_template, request, redirect, url_for, flash import sqlite3
        app = Flask(__name__)
app.secret_key = "69420"
        def init_db():
             db = sqlite3.connect('users.db')
with open('schema.sql', 'r') as schema:
    db.executescript(schema.read())
        @app.cli.command('initdb')
def initdb_cmd():
    init_db()
    print("Initialised database.")
         def get_db():
            conn = sqlite3.connect('users.db')
conn.row_factory = sqlite3.Row
        @app.route('/')
              return render_template('index.html', title='Home')
         @app.route('/about')
              return render_template('about.html', title='About')
         @app.route('/signin', methods=('GET', 'POST'))
         def signin():
              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()
                  print(user)
error = 'Incorrect Password.'
                   return redirect(url_for('about'))
flash(error)
               return render_template('signin.html', title='Sign In', error=error)
         @app.route('/signup', methods=('POST', 'GET'))
         def signup():
    if request.method == 'POST':
                   password = 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()
curr.close()
db.close()
return render_template('index.html', title="Home", succ="Registration Successfull!")

return render_template('signup.html', title='Sign Up')

return render_template('signup.html', title='Sign Up')

if __name__ == '__app__':
app.run(debug = True)
```

## Question-2:

Add the Home page, About Page

### Home page

```
o base.html ×

    app.py 1 
    ⇔ about.html

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  1 <!DOCTYPE html>
        <html lang="en":
         <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>{% block title %}{% endblock title %}</title>
         <link rel="stylesheet" href="/static/style.css">
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.1/dist/css/bootstrap.min.css" rel="stylesheet"
integrity="sha384-iYQeCzEYFbKjA/T2uDLTpkwGzCiq6soy8tYaIIGyVh/UjpbCx/TYkiZh1ZB6+fzT" crossorigin="anonymous">
          <div id="content">
            <nav class="navbar navbar-dark navbar-expand-lg bg-dark">
                <div class="collapse navbar-collapse" id="navbarNavAltMarkup";</pre>
                   <div class="navbar-nav
                     <a class="nav-link active" aria-current="page" href="/">Home</a>
                    <a class="nav-link" href="signin">Sign In</a>
<a class="nav-link" href="signup">Sign Up</a>
<a class="nav-link" href="about">About</a>
           {% block content %}
           {% endblock content %}
          <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.1/dist/js/bootstrap.bundle.min.js"</pre>
          integrity="sha384-u10knCvxwvY5kfmNBILK2hRnQC3Pr17a+RTT6rIH17Nnikvb21HgTP00mMi466C8"
crossorigin="anonymous"></script>
```

# About page

```
**Second Section (**Second Section (**Second Second Section (**Second Second Section (**Second Section
```

#### 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

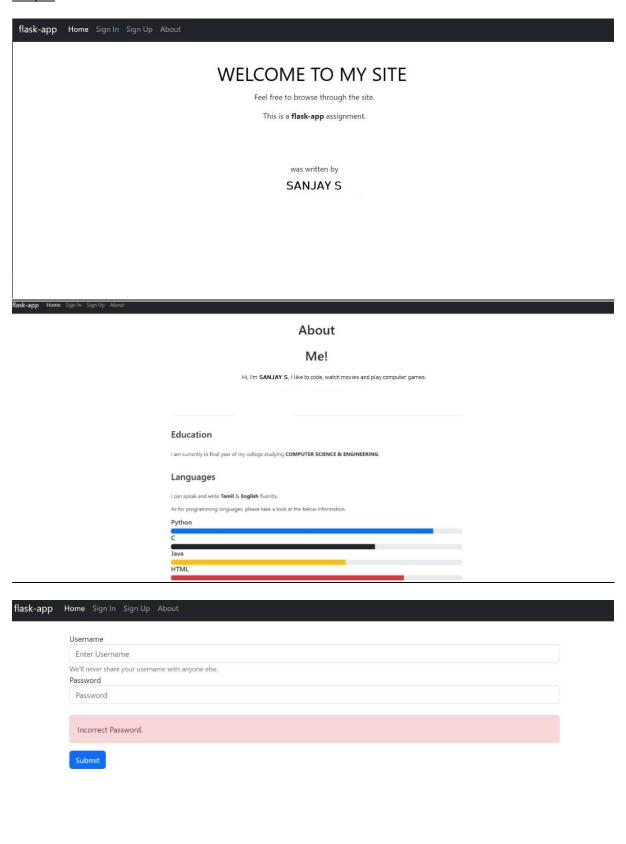
### Sign-in page

```
base.html
C: > Users > admin > Desktop > PROJ > Project_1 > IBM-Project-32237-1660208722 > Assignments > M1 Lead > Assignment 2 > flask-app > templates > 4 signin.html > .
     <div class="formuwu">
       <div class="form
         <form method="post">
            <label for="exampleInputUsername">Username</label>
            <input type="text" class="form-control" name="username" id="username" aria-describedby="usernameHelp"</pre>
            placeholder="Enter Username
            <small id="usernameHelp" class="form-text text-muted">We'll never share your username with anyone else.
          {% if error %}
          <div class="alert alert-danger">
           {{error}}
</div>
          {% endif %}
           <button type="submit" class="btn btn-primary">Submit</button>
```

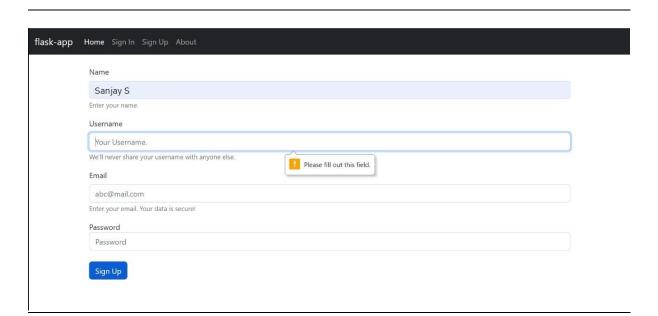
## Sign-up page

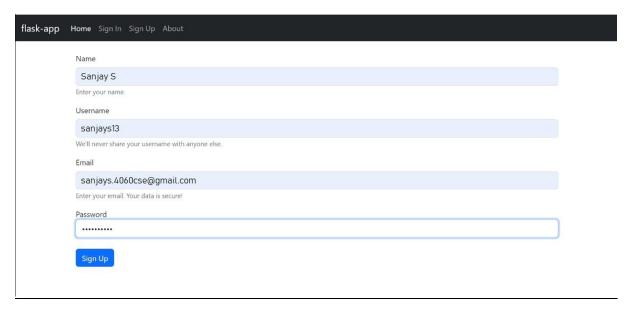
```
◆ about.html ● ◆ signin.html ● ◆ signup.html ●
C: 🔾 Users > admin > Desktop > PROJ > Project_1 > IBM-Project-32237-1660208722 > Assignments > M1 Lead > Assignment 2 > flask-app > templates > 💠 signup.html > ...
         <div class="form" method="post">
            <form method="post"</pre>
             <div class="mb-3"
               <label for="" class="form-label">Name</label>
              <input type="text" class="form-control" name="name" id="name" aria-describedby="helpId"</pre>
                | placeholder="please enter your name " required>
<small id="helpId" class="form-text text-muted">Enter your name.</small>
             <div class="mb-3">
              <label for="" class="form-label">Username</label>
               <input type="text" class="form-control" name="username" id="username" aria-describedby="helpId"
placeholder="Your Username." required>
                <label for="" class="form-label">Email</label>
  <input type="email" class="form-control" name="email" id="email" aria-describedby="emailHelpId"</pre>
               placeholder="abc@mail.com" required>
<small id="emailHelpId" class="form-text text-muted">Enter your email. Your data is secure!</small>
             <label for="exampleInputPassword1">Password</label>
<input_type="exampleInputPassword1">Password</label>
               <input type="password" class="form-control" name="password" id="password" placeholder="Password" required>
             <button type="submit" class="btn btn-primary">Sign Up</button>
```

# <u>Output</u>











Registration Successfull!

# WELCOME TO MY SITE

Feel free to browse through the site.

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

was written by

**SANJAY S**