

Assignment -1

Python Flask

Assignment Date	13 September 2022
Student Name	Mr.Prabu K
Student Roll Number	711319CS111
Maximum Marks	2 Marks

Question-1:

1. Create registration page in html with username, email and phone number and by using POST method display it in next html page?

Solution:

Registration.html

```
1 <!DOCTYPE html>
2 <html lang="en">
3
4 <head>
5   <meta name="viewport" content="width=device-width, initial-scale=1.0" />
6   <link rel="stylesheet" type="text/css" href="{{url_for('static', filename='style.css')}}" />
7   <title>Registration page</title>
8 </head>
9
10 <body>
11   <form action="http://localhost:3050/login" method="post">
12     <div class="container">
13       <h1>Registration page</h1>
14       <hr />
15       <label for="uname"><b>Username:</b></label>
16       <input type="text" placeholder="Enter Username" name="uname" required /><br><br>
17       <label for="email"><b>Email:</b></label>
18       <input type="text" placeholder="Enter Email" name="email" id="email" required /><br><br>
19       <label for="phone"><b>Enter your phone number:</b></label>
20       <input type="tel" id="phone" name="phone" placeholder="Enter your phoneNo" /><br><br>
21       <button type="submit" class="registerbtn">Register</button>
22     </div>
23   </form>
24 </body>
25
26 </html>
```

Registration page

Username:

Guest

Email:

guest@gmail.com

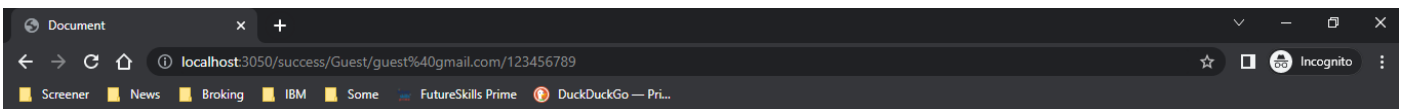
Enter your phone number:

123456789

Register

Display.html

```
1  <!DOCTYPE html>
2  <html lang="en">
3
4  <head>
5      <meta charset="UTF-8">
6      <meta http-equiv="X-UA-Compatible" content="IE=edge">
7      <meta name="viewport" content="width=device-width, initial-scale=1.0">
8      <title>Document</title>
9  </head>
10
11 <body>
12     <h1 style="text-align: center;background-color: # darkgrey">Display Page</h1>
13     <h3>Username: {{ username }}</h3>
14     <h3>Email: {{ email }}</h3>
15     <h3>Phone No: {{ phone }}</h3>
16 </body>
17
18 </html>
```



Display Page

Username: Guest

Email: guest@gmail.com

Phone No: 123456789

App.py

```
1  from flask import Flask,redirect,url_for, request,render_template
2
3  app = Flask(__name__)
4
5  @app.route("/", methods=["GET"])
6  def home():
7      return render_template("login.html")
8
9  @app.route('/success/<name>/<mail>/<phno>')
10 def success(name,mail,phno):
11     return render_template('display.html', username=name, email=mail, phone=phno)
12
13 @app.route('/login',methods = ['POST', 'GET'])
14 def login():
15     if request.method == 'POST':
16         user = request.form['uname']
17         email = request.form['email']
18         phone = request.form['phone']
19         return redirect(url_for('success',name = user,mail = email, phno = phone))
20     else:
21         user = request.args.get('uname')
22         email = request.args.get('email')
23         phone = request.args.get('phone')
24         return redirect(url_for('success',name = user,mail = email, phno = phone))
25
26 if __name__ == '__main__':
27     app.run("localhost", 3050)
28
```

Question-2:

2. Develop a flask program which should contain at least 5 packages used from pypi.org ?

Solution:

flaskapp.py

```
1  from __future__ import print_function
2  import sys
3  from datetime import datetime
4  from flask import Flask, redirect
5  import emoji
6  from urllib.request import urlopen
7  app = Flask(__name__)
8
9  @app.route("/")
10 def home():
11     date = datetime.now().strftime("%H:%M:%S")
12     return 'Time: %s' % str(date)
13
14 @app.route("/emoji/")
15 def emojiPage():
16     return emoji.emojize(":grinning_face_with_big_eyes:")
17
18 @app.route("/urllib/")
19 def pillowpkg():
20     page = urlopen("http://geeksforgeeks.org/")
21     return 'Url Package : %s' % str(page.headers)
22
23 @app.route('/print/')
24 def print_console():
25     print('Assignment 1 id done', file=sys.stderr)
26     return redirect('/')
27
28 if __name__ == "__main__":
29     app.run(debug=True)
```