Python Project
(Email Bot)

Libraries

Pip install Flask

Pip install Flask-Login

Pip install Flask-Mail

Pip install Flask-MySQLdb

Pip install Flask-SQLAlchemy

Pip install Jinja2

Pip install MarkupSafe

Pip install SQLAlchemy

Pip install mysqlclient

Pip install python-decouple

Pip install requests

Pip install secure-smtplib

Pip install setuptools

Pip install yarg

Pip install Werkzeug

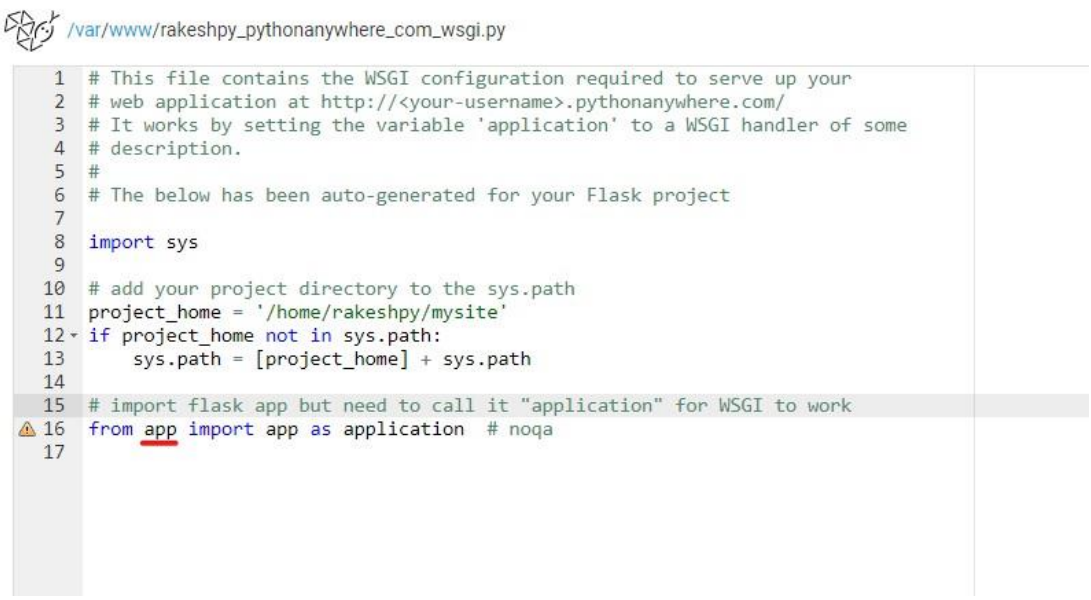
Pythonanwhere.com

- To deploy in pythonanywhere
  ➔ Go to files
  ➔ Click on mysite
  ➔ Then upload

➔ Go to web
➔ Reload and click on your website link

- Create one virtualenv
  ➔ Go to bash consoles and
  ➔ Then type this code “mkvirtualenv –python=/urs/bin/python3.8 my-virtualenv” // use whichever python version you prefer
  ➔ Note : whenever you need to open and use
  $ workon my-virtualenv
  (my-virtualenv)$
  ➔ Then install all package in virtualenv (my-virtualenv)

- Create virtualenv path in pythonanywhere
  ➔ Go to web
  ➔ Go and create path in virtualenv
  ➔ Then go to working directory and add mysite
  /home/rakeshpy/mysite
  ➔ Note : for security purpose enable HTTPS
  ➔ Click on WSGI configuration file in code section then change it to your flask app name, Here my app name is **app.py**



- Create database in pythonanywhere
  ➔ Create database password

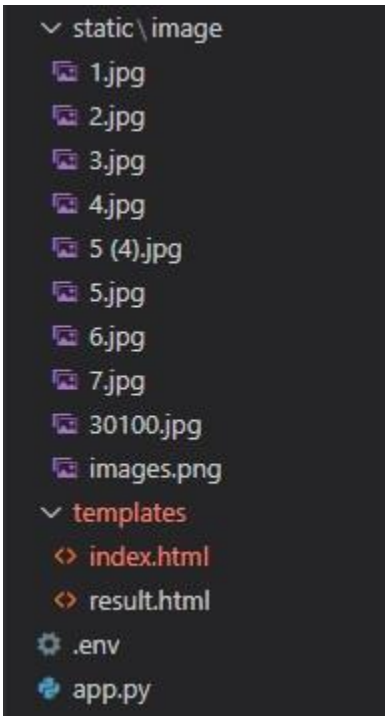
➔ Go to consoles then enter SQL queries

```
CREATE DATABASE users_db;
CREATE TABLE user_data( ID int
AUTO_INCREMENT, Username varchar(255), Email_ID varchar(255), PRIMARY
KEY(ID));
```

➔ To view data in database

```
select * from user_data;
```

Store flask app in this formate



FRONTEND CODE

Index.html

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name = "viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>


    <style>
        body{
            margin:0;
```

```
            padding:0;
            background-image:url({{url_for('static',filename='image/1.jpg')}});
            background-repeat: no-repeat;
            background-attachment: fixed;
            background-size: 100% 100%;
<!--            background-position: center;-->


        }
        .container{
            top:50%;
            left:50%;
            position: absolute;
            transform:translate(-50%,-50%);
        }
        .card{
            padding:60px 40px 50px 40px;
            background:rgb(50,50,50);
            border-radius:10px;
<!--            opacity: 0.6;-->
        }
        #name{
            width:200px;
            border:none;
            background:transparent;
            border-bottom:1px solid white;
            padding:6px;
            margin-bottom:20px;
            color:white;
        }
        #button{
            border-radius:20px;
            padding:10px 20px;
            background:dodgerblue;
            color:white;
            margin-top:20px;
            border:none;
            outline:none;
            margin-left:50px
        }
        #button:hover{
            background-color:skyblue;
            color:black;
            cursor:pointer;
        }
        a{
            font-size:13px;
        }
```

```
        img{
            border-radius:50%;
            position:absolute;
            margin-left:100px;
            margin-top:-40px;
        }

    </style>
</head>
<body>
    <div class="container">
        <img src="{{ user_image }}" height="80" width="80">
         <div class="card">
            <form action="{{url_for('send_message')}}" method="POST" >
                <input type="text" name="username" placeholder="Username"
                  required id="name"><br>
                <input type="email" name="email" placeholder="Email" required
                  id="name"><br>
                <a href="#">Sign up</a><br>
                <input type="submit" value="login" id="button">
            </form>
         </div>
    </div>
</body>
</html>
```

result.html

```
<h1>{{success}}</h1>
<a href="/">Go to Home Page</a>
```

BACKEND CODE

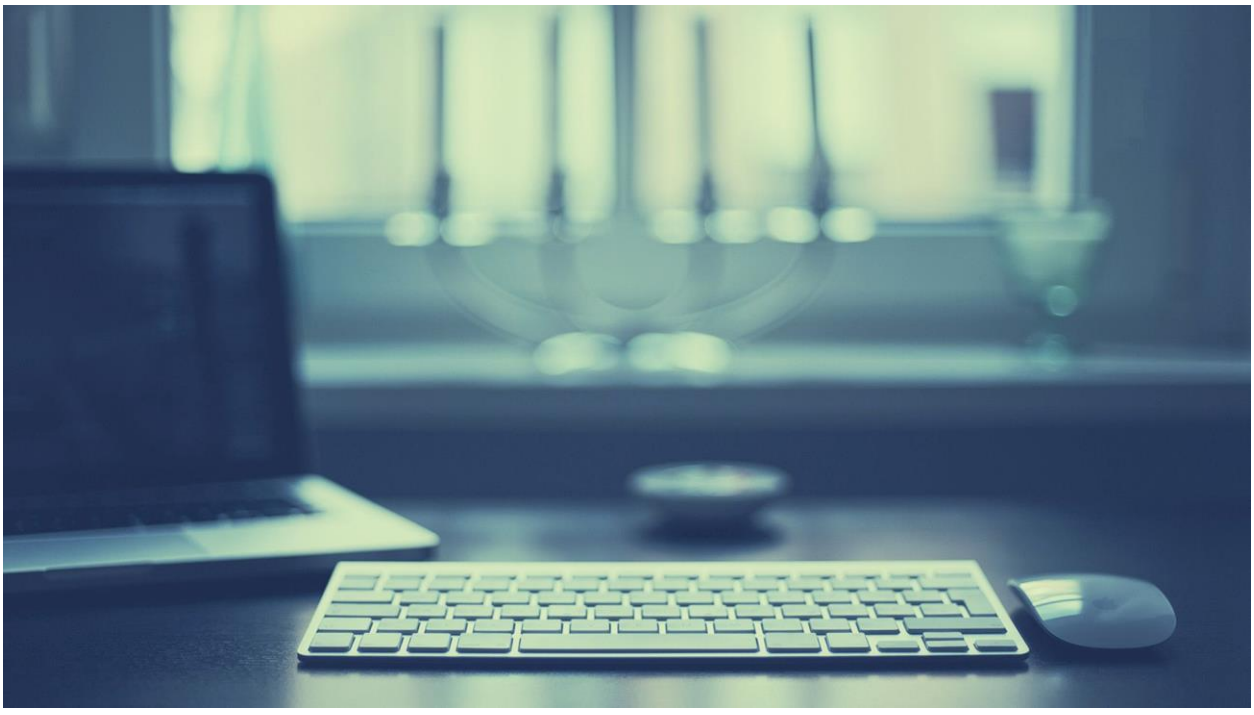
app.py

```
from re import M
from flask import Flask,render_template,request
from flask_mysqldb import MySQL
# import mysql.connector as db
import os
from flask_mail import Mail,Message
from decouple import config
```

```
app = Flask(__name__)
picFolder= os.path.join('static','image')

# below connection (4 lines) are used in xampp server running on MySQL
app.config['MYSQL_HOST'] = "localhost"
app.config['MYSQL_USER'] = "root"
app.config['MYSQL_PASSWORD'] = ""
app.config['MYSQL_DB'] = "users_db"
app.config['UPLOAD_FOLDER'] = picFolder
app.config['MAIL_SERVER'] ='smtp.gmail.com'
app.config['MAIL_PORT'] = 465
app.config['MAIL_USERNAME'] = "rakeshofficial22@gmail.com"
app.config['MAIL_PASSWORD'] = config('PASSWORD')
app.config['MAIL_USE_TLS'] = False
app.config['MAIL_USE_SSL'] = True

mysql = MySQL(app)
mail = Mail(app)

@app.route('/')
def home():
    pic1 = os.path.join(app.config['UPLOAD_FOLDER'], 'images.png')
    return render_template("index.html", user_image=pic1)

@app.route('/send_message', methods=['GET','POST'])
def send_message():

    if request.method == "POST":
        username = request.form['username']
        email = request.form['email']

        # below cur are used for connection in xampp server running on MySQL
        cur = mysql.connection.cursor()
        cur.execute("INSERT INTO user_data (Username,Email_ID) VALUES (%s,%s)",
                    (username,email))
        mysql.connection.commit()
        cur.close()
        subject = ' Hello ' +username
       # msg = 'hi' +username

        html  =  """<!DOCTYPE html>
                <html lang="en">
                <head>
                    <title>wel</title>
                </head>
                <body>
                    <h1> welcome to my new python project  </h1>
                    <h2>
```

```
                        <p> hey there, i just created my new python
                            project  <br>
                        </p>
                    </h2>
                </body>
                </html>
            """
        message = Message(subject,recipients=[email], html=html,
                          sender="rakeshofficial22@gmail.com",)
        mail.send(message)
        success = "thank you, Check your gmail inbox"
        return render_template("result.html",success=success)

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

IMAGES



1.jpg

Images.png