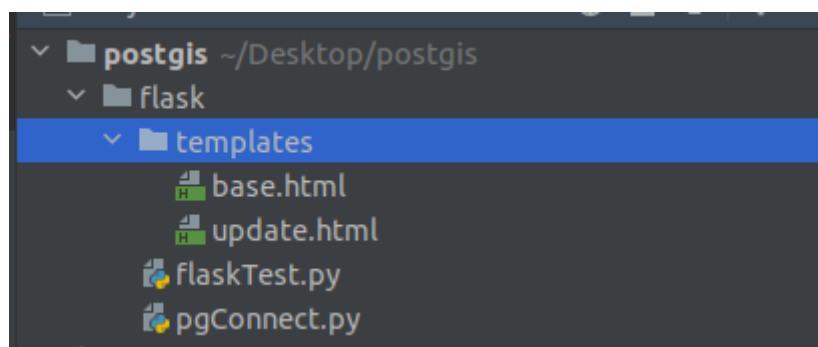


## 1.目录结构

主要就是网页文件需要放在template目录下（这是flask的特性）

目录结构如下图：



## 2.如何连接数据库？

我们定义了一个pgconnect.py的脚本文件用于连接数据库

通psycopg2这个库可以实现连接（pip install psycopg2即可下载）

主要的实现内容：

（1）使用psycopg2.connect方法对数据库进行连接（这里需要先确保我们的数据库服务是打开并且是可连接的，apt方式安装的直接psql -u postgres即可开启服务，源码编译的使用pg\_ctl start开启服务，使用psql -h 127.0.0.1 -U 用户名 -d 数据库 可以检查数据库是否可连接）

主要报错：1.用户名密码错误，改密码就行，问题不大

2.用户权限错误，修改用户连接的配置文件，我的示例如下：（为了防止出现权限不够，我直接全部信任了）

#	TYPE	DATABASE	USER	ADDRESS	METHOD
# "local" is for Unix domain socket connections only					
local	all		all		trust
# IPv4 local connections:					
host	all		all	127.0.0.1/32	trust
# IPv6 local connections:					
host	all		all	:::1/128	trust
# Allow replication connections from localhost, by a user with the					
# replication privilege					
local	replication		all		trust
host	replication		all	127.0.0.1/32	trust
host	replication		all	:::1/128	trust
host	all		all	0.0.0.0/0	trust
host	replication		replica	0.0.0.0/0	trust # 流复制用
户密码验证登录					
host	all		postgres	0.0.0.0/0	trust # 拒绝超级
用户从网络登录					

接下来没问题就是连接了

（1）确定端口无误（第二次实验修改了端口数值，如果改了这里对应修改就行）



```

<tr>
    <td>Customer_ID :</td>
    <td><input type="text" placeholder="101" name="Customer_ID" value="101"/></td>
</tr>
<tr>
    <td>Last_Name :</td>
    <td><input type="text" placeholder="Dickerson" name="Last_Name" value="Dickerson"/></td>
</tr>
<tr>
    <td>First_Name :</td>
    <td><input type="text" placeholder="Allen" name="First_Name" value="Allen"/></td>
</tr>
<tr>
    <td>Address :</td>
    <td><input type="text" placeholder="138 Woodlawn Ave" name="Address" value="138 Woodlawn Ave"/></td>
</tr>
<tr>
    <td>City :</td>
    <td><input type="text" placeholder="Seattle" name="City" value="Seattle"/></td>
</tr>
<tr>
    <td>State :</td>
    <td><input type="text" placeholder="WA" name="State" value="WA"/></td>
</tr>
<tr>
    <td>Zip :</td>
    <td><input type="text" placeholder="98119" name="Zip" value="98119"/></td>
</tr>
<tr>
    <td>Phone :</td>
    <td><input type="text" placeholder="(206)256-0097" name="(206)256-0097" value="(206)256-0097"/></td>
</tr>

```

通过flask的交互功能从html里获取到这些数据 (flasktest.py)

```

return render_template('update.html')
else:
    Customer_ID = request.form.get('Customer_ID')#post请求。获取模版语言中输入框输入的值
    Last_Name = request.form.get('Last_Name')
    First_Name = request.form.get('First_Name')
    Address = request.form.get('Address')
    City = request.form.get('City')
    State = request.form.get('State')
    Zip = request.form.get('Zip')
    Phone = request.form.get('Phone')
    Email_Address = request.form.get('Email_Address')
    Credit_Card_Details = request.form.get('Credit_Card_Details')
    Birth_Date = request.form.get('Birth_Date')
    Exercise_History = request.form.get('Exercise_History')
    Fitness_Level = request.form.get('Fitness_Level')
    Medical_Heath = request.form.get('Medical_Heath')
    Personal_Trainer_ID = request.form.get('Personal_Trainer_ID')
    PT_Last_Name = request.form.get('PT_Last_Name')
    PT_First_Name = request.form.get('PT_First_Name')
    PT_Address = request.form.get('PT_Address')
    PT_City = request.form.get('PT_City')
    PT_Phone = request.form.get('PT_Phone')
    PT_State = request.form.get('PT_State')
    PT_Zip = request.form.get('PT_Zip')
    PT_Email = request.form.get('PT_Email')
    Level = request.form.get('Level')
    Price_Per_Month = request.form.get('Price_Per_Month')
    pgconnect.insert_tdeo(Customer_ID,Last_Name,First_Name,Address,City,State,Zip,Phone,Email_Address,
    return {"success":'true','mess':'更新成功'}

```

将获取到的这些数据作为参数传进insert方法转成sql语句并执行(pgconnect.py)

```

import psycopg2

def insertGeo(Customer_ID, Last_Name, First_Name, Address, City, State, Zip, Phone, Email_Address, Credit_Card_Details, Birth_Date, Exercise_History, Fitne
conn = psycopg2.connect(database='test', user='postgres', password='12345', host='127.0.0.1', port='5432')
cur = conn.cursor()

sql="insert into onlineworkout(Customer_ID,Last_Name,First_Name,Address,City,State,Zip,Phone,Email_Address,Credit_Card_Details,Birth_Date,E
print(sql)
cur.execute(sql)
conn.commit()
print('更新成功')

# http://127.0.0.1:5000/api/updateNoFly/insert?start_time='2018-01-01'&end_time='2018-01-01'&reg_name='www'&reg_radius=1&valid_time='1-1'&re
# insertGeo('2018-01-01','2018-01-01','www','1','1-1','1','sds',{'type':"MultiPolygon","coordinates":[[[[[114.160603606931,22.2858883847479],[114

```

至此我们便实现了简单的交互