## 第九周周报

## 第十九小组 蔡逸文 宋健 李宇星

## 本周工作

完成真实景点数据的录入代码

主要代码如下

```
# encoding:utf-8
from datetime import datetime
import asyncio
import requests
import time
import Scop
ak = "obh0u6Si9EEYanw8WI8x9CNtRqe0FYG4"
async def get_routes(origin_lat: float, origin_lng: float, dest_lat: float, dest_lng: float):
  #接口地址
 url = "https://api.map.baidu.com/directionlite/v1/walking"
  params = {
      "origin": f"{origin_lat},{origin_lng}",
      "destination": f"{dest_lat},{dest_lng}",
      "ak":
                 ak,
  }
  response = requests.get(url=url, params=params)
  if response:
    data = response.json()["result"]
    res = dict()
    res["distance"] = data["routes"][0]["distance"]
    res["duration"] = data["routes"][0]["duration"]
    steps = []
    for step in data["routes"][0]["steps"]:
     temp = dict()
     temp["path"] = step["path"]
     steps.append(temp)
    res["step"] = steps
    return res
async def create_scop(data):
 # 接口地址
  url = "https://api.map.baidu.com/place/v2/suggestion"
  params = {
      "query":
                 data['name'],
      "region":
                "北京",
      "city_limit":
                      "true",
                   "json",
      "output":
```

```
ak,
      "ak":
  }
  scop = Scop.Scop(data['name'], data['location']
                  ['lat'], data['location']['lng'])
  response = requests.get(url=url, params=params)
  if response:
    print(response.json())
    for build in response.json()['result']:
      scop.add_building(build['name'], build['location']
                       ['lat'], build['location']['lng'])
  for fro in scop.buildings:
   for to in scop.buildings:
      if fro.lat != to.lat and fro.lng != to.lng: # 坐标不同
        routes = await get_routes(fro.lat, fro.lng, to.lat, to.lng)
        scop.add_route(fro.name, to.name, routes)
  await scop.save()
async def create_city(city_code: str):
 if not str.isdigit(city_code):
    return
 #接口地址
  url = "https://api.map.baidu.com/place/v2/search"
 # 此处填写你在控制台-应用管理-创建应用后获取的AK
  params = {
      "query":
                  "景区",
               "景区",
      "tag":
      "region":
                  city_code,
                  "json",
      "output":
      "ak":
                 ak,
      "scop": 2,
      "city_limit": True,
  }
  response = requests.get(url=url, params=params)
  if response:
    for scop in response.json()['results']:
      await create_scop(scop)
     time.sleep(0.1)
if __name__ == "__main__":
  async def main():
    await create_city("131")
```

```
# with open("./BaiduMap_cityCode_1102.txt") as file:
    # for city in file.readlines():
    # await create_city(city.split(',')[0])
asyncio.run(main())
print("done")
```

完成导航界面的初步显示 (但还存在轨迹坐标不对的问题)

## 下周安排

完善界面显示,修改上述bugsV