1 目标拆分

1.1 解析字段

1.1.1 提取json字符串商铺/菜品数据到csv/excel

	A	B	C	D	E	F	G		I	J	K	L	M	N	O	P	Q
1	商铺名	商铺id	营业状态	省份	城市	平台分类	地址	经纬度	店铺订单量	联系方式	营业时间	店铺优惠	店铺链接	评分	评论数	店铺评分	
2																	
3																	
4																	
5																	
6																	
7																	

	A	B	C	D	E	F	G	H	I	J	K
1	商品名	店铺id	商品描述	原价	促销价	商品分类	商品销量	菜单序号	商品评分	图片链接	是否缺货
2											
3											
4											
5											
6											
7											
8											
9											

```
In [2]:  1  import json
```

```
In [4]: 1 shopStr='''{"bought_list":{"food_ids":[],"grey_icon_url":"b571e9375597c7dd8e5b7bd32120928epng","icon_url":"db75a248a885c94c389b5b
```

```
In [5]: 1 shop=json.loads(shopStr)
```

...

1.2 获取856个地区的全部商铺列表id(获取、去重、...)，假如获取到了10W个店铺

1.2.1 辅助操作，批量登陆41个账号，离线保存cookies信息

1.3 线程批量操作&打包exe

1.3.1 分发exe给全部的人去下载

1.4 测试验证数据&合并数据

1.5 编码

1.6 获取商铺&商品信息

https://blog.csdn.net/bojueshujv/article/details/106211411 (https://blog.csdn.net/bojueshujv/article/details/106211411)

```
In [8]: 1 import requests
```

```
In [15]:    1  headers={kv.split(': ')[0]:kv.split(': ')[1] for kv in '''accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/wel
            2  accept-encoding: gzip, deflate, br
            3  accept-language: zh-CN,zh;q=0.9,en;q=0.8
            4  cache-control: max-age=0
            5  cookie: __wpkreporterwid_=8e0b75f7-4f92-4e0f-acbc-6426f81b66d6; ubt_ssid=ezbb0huq453ksm4zx0myl6noqi0ndhb5_2020-06-04; perf_ssid=v
            6  sec-fetch-dest: document
            7  sec-fetch-mode: navigate
            8  sec-fetch-site: none
            9  sec-fetch-user: ?1
           10  upgrade-insecure-requests: 1
           11  user-agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/83.0.4103.61 Safari/537.36'''
           12  headers
```

Out[15]: {'accept': 'text/html,application/xhtml+xml,application/xml;q=0.9,image/webp,image/apng,*/*;q=0.8,application/signed-exchange;v=b3;q=0.9',
 'accept-encoding': 'gzip, deflate, br',
 'accept-language': 'zh-CN,zh;q=0.9,en;q=0.8',
 'cache-control': 'max-age=0',
 'cookie': '__wpkreporterwid_=8e0b75f7-4f92-4e0f-acbc-6426f81b66d6; ubt_ssid=ezbb0huq453ksm4zx0myl6noqi0ndhb5_2020-06-04; perf_ssid=vc96yh1xi2up6x20hw5mlvm3h3yvheuv_2020-06-04; ut_ubt_ssid=6hmjnvl8hb3jqlr5hox217eu9biwasoq_2020-06-04; cna=y04RFAvdjEoCATttm6NPX3ou; _bl_uid=sUkp9b0d004mtkjnIwLycIad691C; _utrace=3f683ee8db39e595be110e1075d98c6c_2020-06-04; _samesite_flag_=true; cookie2=1e23d6ce6b0157bea3b4448ed63c7f8e; t=95e4f355512647f9c02ea566e398047f; _tb_token_=5355b85ee17e; csg=e76a4a5a; t_eleuc4=id4=0%40BA%2FvuHCrrRkTbsassFE6gS5S2P1Ssxm3K325ow%3D%3D; munb=2204946726619; SID=BAAAAAA7bjui7AAGJQDH5Pbfmk1jJojVseSrQjuukwCTc1G93-2H5bKN; USERID=997079970; UTUSER=997079970; tzyy=36847c986d8e8d774d5d388df833e53a; x5check_ele=83fJ6jvCPjkKAOvkH%2F9H0dHsYxqZb68aznLQ8WYnwWU%3D; l=eBPuxa7rQWL_xdgoBO5CFurza77ToIRb8sPzaNbMiIncC63lGqJt5tAQLsoLjLtRR8XcT-8B46aJ50eTPerQJy91kaQE-1IVlgHDBef..; isg=BDc31_J4JdJ0kqFasPNBriKDxiuB_AteFSlZpYnk34dH0FZ6kc0Rrn4SHphmOOPW',
 'sec-fetch-dest': 'document',
 'sec-fetch-mode': 'navigate',
 'sec-fetch-site': 'none',
 'sec-fetch-user': '?1',
 'upgrade-insecure-requests': '1',
 'user-agent': 'Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/83.0.4103.61 Safari/537.36'}

```
In [18]:   1  url='https://h5.ele.me/pizza/shopping/restaurants/E6051436070912107651/batch_shop'
           2  txt=requests.get(url,headers=headers).text
           3  txt
```

...

1.7 数据的解析

```
In [19]:   1  def parseShop(txt):
           2      return json.loads(txt)
           3  parseShop(txt)
```

...

1.8 商铺列表获取

```
In [20]:   1  shop_list_url='https://h5.ele.me/restapi/shopping/v3/restaurants?latitude=39.89491&longitude=116.322056&offset=0&limit=8'
```

In [21]:

```python
txt=requests.get(shop_list_url,headers=headers).text
txt
```

_to":"#FFFFFF"},"border":"#FFC9C1","description":"满50元减30元，满70元减40元，满90元减50元，满125元减60元，满145元减70元","icon_color":"f07373","icon_name":"减","id":23018865419,"is_exclusive_with_food_activity":true,"name":"满减优惠","text_color":"#FF4B33","tips":"满50元减30元，满70元减40元，满90元减50元，满125元减60元，满145元减70元","type":102},{"attribute":"{0:{\\"content\\":\\"1.8\\", \\"type\\":4}}","background":{"rgb_from":"#FFFFFF","rgb_to":"#FFFFFF"},"border":"#FFC9C1","description":"特价商品1.8元起","icon_color":"f1884f","icon_name":"特","id":23157690323,"is_exclusive_with_food_activity":true,"name":"特价商品","text_color":"#FF4B33","tips":"特价商品1.8元起","type":502},{"attribute":"{0:{\\"content\\":\\"0.45\\", \\"type\\":2}}","background":{"rgb_from":"#FFFFFF","rgb_to":"#FFFFFF"},"border":"#FFC9C1","description":"折扣商品45折起","icon_color":"3cc791","icon_name":"折","id":23002835779,"is_exclusive_with_food_activity":true,"name":"折扣优惠","text_color":"#FF4B33","tips":"折扣商品45折起","type":501}],"authentic_id":166989419,"bidding":"{\\"core\\":{\\"next\\":{\\"probability\\":0.16885000467300415, \\"weight\\":150, \\"restaurantId\\":337086841}, \\"come_from\\":1, \\"index\\":4, \\"target\\":{\\"probability\\":0.1502400040626526, \\"weight\\":170, \\"restaurantId\\":166989419}, \\"extraInfo\\":\\"{\\\\\\"cpxMap\\\\\\":\\\\\\"{\\\\\\\\\\\\\\"173833565\\\\\\\\\\\\\\":3, \\\\\\\\\\\\\\"2115553\\\\\\\\\\\\\\":3, \\\\\\\\\\\\\\"2035004426\\\\\\\\\\\\\\":3, \\\\\\\\\\\\\\"174049757\\\\\\\\\\\\\\":3, \\\\\\\\\\\\\\"156208141\\\\\\\\\\\\\\":3, \\\\\\\\\\\\\\"2000523967\\\\\\\\\\\\\\":3, \\\\\\\\\\\\\\"2001356108\\\\\\\\\\\\\\":3, \\\\\\\\\\\\\\"2001518661\\\\\\\\\\\\\\":3, \\\\\\\\\\\\\\"2000343095\\\\\\\\\\\\\\":3, \\\\\\\\\\\\\\"169650763\\\\\\\\\\\\\\":3, \\\\\\\\\\\\\\"2001358995\\\\\\\\\\\\\\":3, \\\\\\\\\\\\\\"2038391654\\\\\\\\\\\\\\":3, \\\\\\\\\\\\\\"1895425\\\\\\\\\\\\\\":3, \\\\\\\\\\\\\\"166989419\\\\\\\\\\\\\\":3, \\\\\\\\\\\\\\"908463\\\\\\\\\\\\\\":3, \\\\\\\\\\\\\\"2036841412\\\\\\\\\\\\\\":3, \\\\\\\\\\\\\\"152805439\\\\\\\\\\\\\\":3, \\\\\\\\\\\\\\"164594211\\\\\\\\\\\\\\":3, \\\\\\\\\\\\\\"336526435\\\\\\\\\\\\\\":3, \\\\\\\\\\\\\\"337086841\\\\\\\\\\\\\\":3, \\\\\\\\\\\\\\"2000911474\\\\\\\\\\\\\\":3, \\\\\\\\\\\\\\"2032765598\\\\\\\\\\\\\\":3, \\\\\\\\\\\\\\"896244\\\\\\\\\\\\\\":3, \\\\\\\\\\\\\\"2000041096\\\\\\\\\\\\\\":3, \\\\\\\\\\\\\\"2019407971\\\\\\\\\\\\\\":3}\\\\\\", \\\\\\"bidding\\\\\\":\\\\\\"{\\\\\\\\\\\\\\"163773445\\\\\\\\\\\\\\":150}\\\\\\", \\\\\\"rankType

https://h5.ele.me/pizza/shopping/restaurants/E8868102107147546648/batch_shop (https://h5.ele.me/pizza/shopping/restaurants/E8868102107147546648/batch_shop)

In [ ]:

In [ ]:

In [ ]:

In [ ]: