

The instruction for how to use product

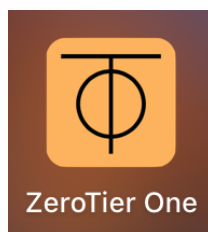
1. Database Format:

In our database, we have ID,name,phone,addr,city,mail and cncity columns. "ID" is the primary key to represent every friends, we will use it to find a friend information in edit, delete function. "Name" represents the friend's name (English or Chinese is ok). "Phone, Addr and mail" correspondingly represent friend's phone number, address and e-mail address. Then, "city" column means the friend's living city. You can input with English or Chinese, our product will translate the city name into Chinese and store in "cncity" column. We can see the follow picture.

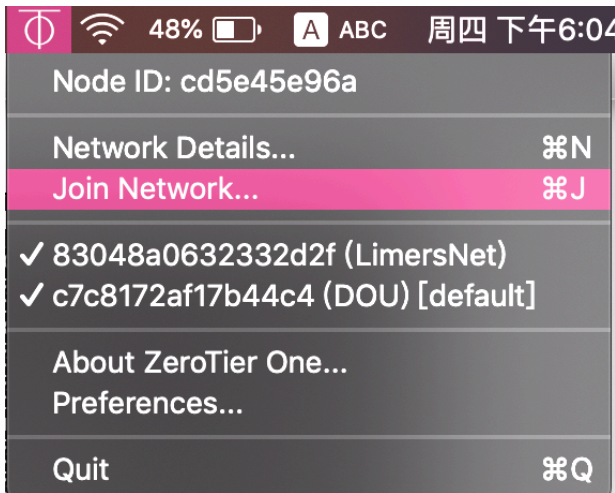
ID	name	phone	addr	city	mail	cncity
1	aiminyy	1111111111	北京haidian	Beijing	789@163.com	北京
7	chenxi	18531826058	廊坊安次	Hebei province Langfang	15433@163.com	河北省廊坊市
11	baibai	12333334545	河北省唐山市	Hebei province Tangshan	xxxxxxx	河北省唐山市
13	白白	18531823333	陕西西安兵马俑	Shanxi province Xian	15433@163.com	陕西省西安市
14	zhang san	14536789870	江苏省苏州市工业园区	江苏省苏州市	15433xxx@163.com	江苏省苏州市
16	白敬亭	13584848100	xxxxxxxxxx	浙江省杭州市	baijingting@163.com	浙江省杭州市
38	111c	18531826059	廊坊安次	Hubei province Wuhan	15433@163.com	湖北省武汉市
39	chenxi2	18531828888	郑州	Henan Province Zhengzhou	15433zz@163.com	河南省郑州市
47	Zhang wu	13584848177	xxxroad	HuNan Province Changsha	xxx@163.com	湖南省长沙市
50	Bob	12112121311	xxxRoad	Jiangsu Province Changzhou	xxx@123.com	江苏省常州市
53	Alice	13434343133	222Road	Fujian province Xiamen	xx@1.com	福建省厦门市

2. Instruction for how to access the web page

Step1. go to <https://www.zerotier.com/download/> to download ZeroTier one, you can see the icon



Step2. Open the icon and choose "Join Network", then enter my network ID : c7c8172af17b44c4. Then, send me e-mail, I will allow you to enter my virtual network. I will reply the e-mail.



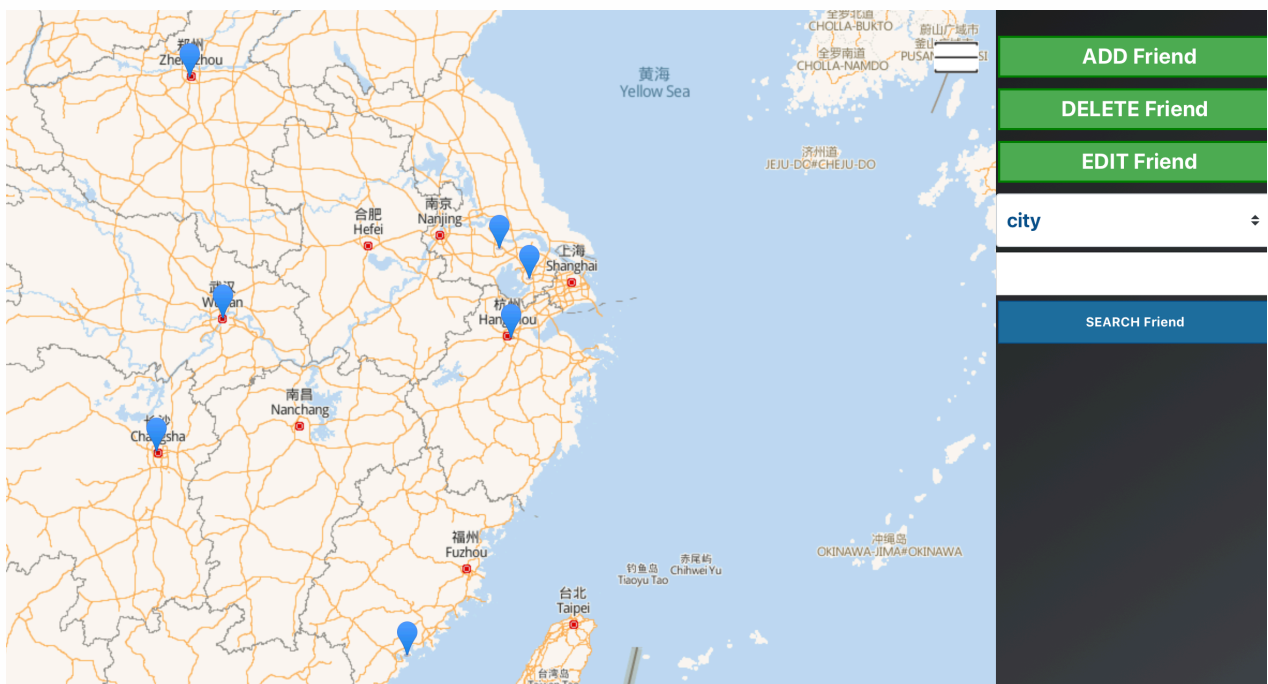
Step3. After entering my virtual network, you can see my network name : DOU. Then you can open Safari or Chrome and enter my server's IP address <http://172.27.4.64:8000>.

Step4. You can click the right top button to open function list

Attention:

Add: please add a friend with right phone number, if the phone number is same with database, it cannot be added. After add, you can see the marker on the map. However, after doing delete or edit, you need refresh the map to see results.

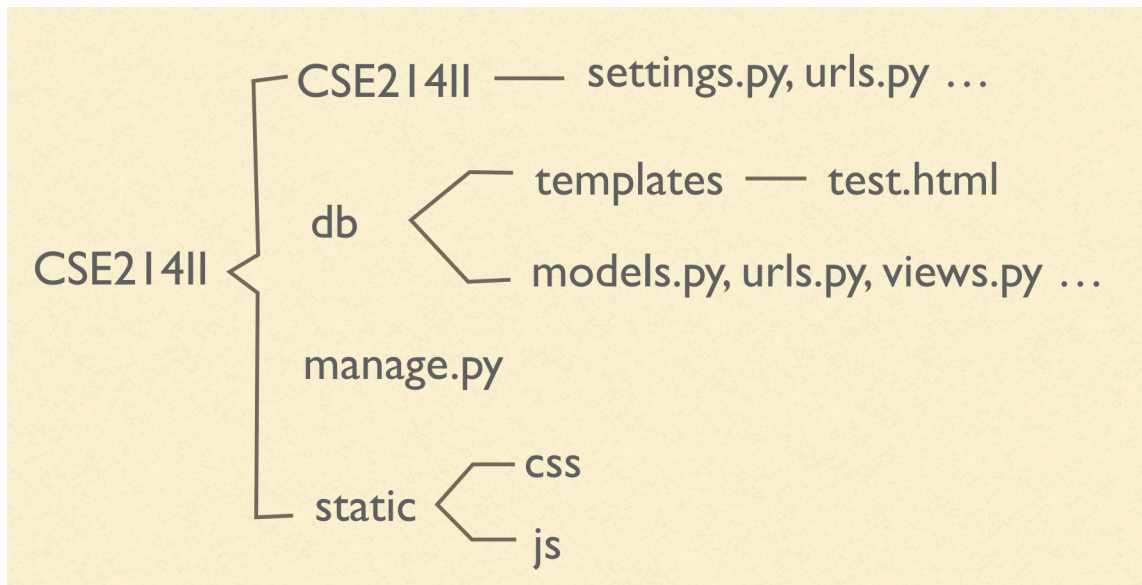
Search: what you search must be consistent with what you input. Otherwise, you cannot find.



3. Code structure:

To implement this product, we use Django architecture. The CSE214II contains three dictionaries and a manage.py which is used to open server. For the first on CSE214II dictionary has settings.py that is used to connect database and open the IP address. For the second one, the db dictionary has templates that is used to design our web pages. In addition, models.py use to define the database, views.py is used to write the interfaces, urls.py is applied to define the interface name. Lastly, the static dictionary

contains pictures, css or JavaScript that I used in my test.html.



If you want to run my source code, you can create a virtual environment in Python and download Django. Then import the code. You can change to your database by change the setting.py file. Change the following code. Then change to your own IP address to replace the ajax request' s url in my test.html. Next, you should apply a Baidu Translator API, which is used in test.html. After finishing that, you can run "python manage.py runserver 0.0.0.0:8000" in terminal. However, I think building a server is to difficult and complex, I recommend that you can open my page by following section 2.

```
#settings.py
DATABASES = {
    'default': {
        'ENGINE': 'django.db.backends.mysql',
        'NAME': 'cse214',      #database name
        'USER': 'root',      # database user name
        'PASSWORD': 'Harry.Potter1029', # database password
        'HOST': 'localhost', #host name
        'PORT': '3306',
    }
}
```