1.使用收费接口：需要了解具体收费情况

2.在github上找到相应接口，并且版本相应较高

3.自己制作接口。需要学习成本

[on\_recv] client\_id: 1, message\_type: 11046, message:{"at\_user\_list": [], "from\_wxid": "wxid\_pkfm888mt7zd22", "is\_pc": 0, "msg": "\u548c", "msgid": "4207497378593815665", "room\_wxid": "", "timestamp": 1614155159, "to\_wxid": "wxid\_8pn6il5eyqse22", "wx\_type": 1}

图片信息

[on\_recv] client\_id: 1, message\_type: 11047, message:{"from\_wxid": "wxid\_f012iteoos0a22", "image": "C:\\Users\\17197\\Downloads\\Documents\\WeChat Files\\wxid\_8pn6il5eyqse22\\FileStorage\\Image\\2021-02\\1d0518a4e15be12e9e584de8fc61cf28.dat", "image\_thumb": "C:\\Users\\17197\\Downloads\\Documents\\WeChat Files\\wxid\_8pn6il5eyqse22\\FileStorage\\Image\ humb\\2021-02\\a662ff963bb47d1f2bc6eabc6e7bcbb6\_t.dat", "is\_pc": 0, "msgid": "189150582162620410", "raw\_msg": "<?xml version=\"1.0\"?>\n<msg>\n <img aeskey=\"14e632c29f198e49655ca9771f4a51c0\" encryver=\"1\" cdnthumbaeskey=\"14e632c29f198e49655ca9771f4a51c0\" cdnthumburl=\"304e020100044730450201000204762cd0b702032f5d0302045338f0b70204603642a5042034313033383261303138326265623038303735366234353333666235343231300204010828010201000400\" cdnthumblength=\"4853\" cdnthumbheight=\"0\" cdnthumbwidth=\"0\" cdnmidheight=\"0\" cdnmidwidth=\"0\" cdnhdheight=\"0\" cdnhdwidth=\"0\" cdnmidimgurl=\"304e020100044730450201000204762cd0b702032f5d0302045338f0b70204603642a5042034313033383261303138326265623038303735366234353333666235343231300204010828010201000400\" length=\"40681\" cdnbigimgurl=\"304e020100044730450201000204762cd0b702032f5d0302045338f0b70204603642a5042034313033383261303138326265623038303735366234353333666235343231300204010828010201000400\" hdlength=\"47154\" md5=\"eb15e55664604f83cb3d4732bba3b923\" />\n</msg>\n", "room\_wxid": "24803859571@chatroom", "timestamp": 1614168741, "to\_wxid": "24803859571@chatroom", "wx\_type": 3, "xor\_key": 228}

[on\_recv] client\_id: 1, message\_type: 11047, message:{"from\_wxid": "wxid\_pkfm888mt7zd22", "image": "C:\\Users\\17197\\Downloads\\Documents\\WeChat Files\\wxid\_8pn6il5eyqse22\\FileStorage\\Image\\2021-02\\ee185e93780ad2efb68e2e6966bf0959.dat", "image\_thumb": "C:\\Users\\17197\\Downloads\\Documents\\WeChat Files\\wxid\_8pn6il5eyqse22\\FileStorage\\Image\ humb\\2021-02\\848896d5edf4c56e0438ff2ca05000e4\_t.dat", "is\_pc": 0, "msgid": "1622395182963858693", "raw\_msg": "<?xml version=\"1.0\"?>\n<msg>\n <img aeskey=\"4f6f1fcdd752d2e7d2006da464392213\" encryver=\"0\" cdnthumbaeskey=\"4f6f1fcdd752d2e7d2006da464392213\" cdnthumburl=\"3053020100044c304a02010002044a1857a702032f56c30204db570d700204603647d80425617570696d675f303830626265323332303030393365315f31363134313730303732363731020401050a020201000400\" cdnthumblength=\"5126\" cdnthumbheight=\"66\" cdnthumbwidth=\"144\" cdnmidheight=\"0\" cdnmidwidth=\"0\" cdnhdheight=\"0\" cdnhdwidth=\"0\" cdnmidimgurl=\"3053020100044c304a02010002044a1857a702032f56c30204db570d700204603647d80425617570696d675f303830626265323332303030393365315f31363134313730303732363731020401050a020201000400\" length=\"1\" md5=\"29bf8f36aa29f13bc161d92b0463c62c\" hevc\_mid\_size=\"63847\" />\n</msg>\n", "room\_wxid": "", "timestamp": 1614170072, "to\_wxid": "wxid\_8pn6il5eyqse22", "wx\_type":

3, "xor\_key": 228}

图片：ee185e93780ad2efb68e2e6966bf0959.dat

[on\_recv] client\_id: 1, message\_type: 11047, message:{"from\_wxid": "wxid\_8pn6il5eyqse22", "image": "C:\\Users\\17197\\Downloads\\Documents\\WeChat Files\\wxid\_8pn6il5eyqse22\\FileStorage\\Image\\2021-02\\ddb83a560f86e189a58ff060565a3125.dat", "image\_thumb": "C:\\Users\\17197\\Downloads\\Documents\\WeChat Files\\wxid\_8pn6il5eyqse22\\FileStorage\\Image\ humb\\2021-02\\d409f612\_177\_thumb.dat", "is\_pc": 1, "msgid": "831700086023416825", "raw\_msg": "<msg><img length=\"1043052\" hdlength=\"0\" /><commenturl></commenturl></msg>", "room\_wxid": "24803859571@chatroom", "timestamp": 1614170158, "to\_wxid": "24803859571@chatroom", "wx\_type": 3, "xor\_key": 228}

"room\_wxid": "24803859571@chatroom"

动图

[on\_recv] client\_id: 1, message\_type: 11052, message:{"from\_wxid": "wxid\_pkfm888mt7zd22", "is\_pc": 0, "msgid": "3139474073363566460", "raw\_msg": "<msg><emoji fromusername = \"wxid\_pkfm888mt7zd22\" tousername = \"24803859571@chatroom\" type=\"2\" idbuffer=\"media:0\_0\" md5=\"19765fcfc269dee6a04321f5f180993c\" len = \"1184371\"

productid=\"\" androidmd5=\"19765fcfc269dee6a04321f5f180993c\" androidlen=\"1184371\" s60v3md5 = \"19765fcfc269dee6a04321f5f180993c\" s60v3len=\"1184371\" s60v5md5

= \"19765fcfc269dee6a04321f5f180993c\" s60v5len=\"1184371\" cdnurl = \"http://emoji.qpic.cn/wx\_emoji/kjoYuEHxxExdnz2ycISibPfPnMYhzycKwZ5v945HXCzxfuC2lmKUvOXtWw4YD3yMH/\" designerid = \"\" thumburl = \"\" encrypturl = \"http://emoji.qpic.cn/wx\_emoji/kjoYuEHxxExdnz2ycISibPfPnMYhzycKwZ5v945HXCzyfzkUFiaUokcRXkZ2739xCE/\" aeskey= \"579c400c2348addcc40671deae06a64a\" externurl = \"http://emoji.qpic.cn/wx\_emoji/kjoYuEHxxExdnz2ycISibPfPnMYhzycKwZ5v945HXCzzFmNBV2tHk0NVzdfRx5760/\" externmd5 = \"069150e3ab4df939fb4242c9808ce174\" width= \"800\" height= \"566\" tpurl= \"\" tpauthkey= \"\" attachedtext= \"\" attachedtextcolor= \"\" lensid= \"\" ></emoji> </msg>", "room\_wxid": "24803859571@chatroom", "timestamp": 1614172291, "to\_wxid": "24803859571@chatroom", "wx\_type": 47}

编码要求：获取图片的绝对位置、key，对其进行解码，命名可以不管，解码后操作数据库将其收录，

关于emojimessage 可能需要群友对机器进行提醒（在后来识别做到了的话也可以处理）可以使用一个flag一样的变量来传递信息

我们可以使用web的接口来对数据库进行修改，但是这样子也要给出人的姓名，得对进行修改

如果已经知道了日期确实是字符串，那么可以放心使用，也少了上传的过程

第二天只需要修改一些报错的问题就可以了。

还有希望django那边能用北京时间

还需要加入gif动图的解密，但是现在蛮懵的，明天可以稍微探索一下

还有就是定时进行评奖的事情了，可以在robot这里也弄一个数据库来存放信用点啥的

第一天需要连接上微信和用户，要往数据库再加一个名字的列

筛选图片，需要先靠图片大小

~~在上传图片的时候需要给人加上updateperoson~~

gif动图

[on\_recv] client\_id: 1, message\_type: 11061, message:{"from\_wxid": "wxid\_8pn6il5eyqse22", "is\_pc": 1, "msgid": "2078194613286559924", "raw\_msg": "<msg>\n <fromusername>wxid\_8pn6il5eyqse22</fromusername>\n <scene>0</scene>\n <commenturl></commenturl>\n <appmsg appid=\"wx6618f1cfc6c132f8\" sdkver=\"0\">\n <title>1614217250343.gif</title>\n <des></des>\n <action>view</action>\n <type>8</type>\n <showtype>0</showtype>\n <content></content>\n <url></url>\n <dataurl></dataurl>\n <lowurl></lowurl>\n <lowdataurl></lowdataurl>\n <recorditem>\n <![CDATA[]]>\n </recorditem>\n

<thumburl></thumburl>\n <messageaction></messageaction>\n <extinfo></extinfo>\n <sourceusername></sourceusername>\n <sourcedisplayname></sourcedisplayname>\n <commenturl></commenturl>\n <appattach>\n <totallen>2711192</totallen>\n <attachid>0:0:0385c891a95beb8eafa1af37df5c9073</attachid>\n <emoticonmd5>0385c891a95beb8eafa1af37df5c9073</emoticonmd5>\n <fileext>gif</fileext>\n <aeskey></aeskey>\n </appattach>\n <weappinfo>\n <pagepath></pagepath>\n <username></username>\n <appid></appid>\n <appservicetype>0</appservicetype>\n </weappinfo>\n <websearch />\n </appmsg>\n <appinfo>\n <version>1</version>\n <appname>Window wechat</appname>\n </appinfo>\n</msg>\n", "room\_wxid": "", "timestamp": 1614217249, "to\_wxid": "wxid\_pkfm888mt7zd22", "wx\_sub\_type": 8, "wx\_type": 49}

机器人收到

[on\_recv] client\_id: 1, message\_type: 11052, message:{"from\_wxid": "wxid\_pkfm888mt7zd22", "is\_pc": 0, "msgid": "7533908869156983679", "raw\_msg": "<msg><emoji fromusername

= \"wxid\_pkfm888mt7zd22\" tousername = \"wxid\_8pn6il5eyqse22\" type=\"1\" idbuffer=\"media:0\_0\" md5=\"0385c891a95beb8eafa1af37df5c9073\" len = \"2711192\" productid=\"\"

androidmd5=\"0385c891a95beb8eafa1af37df5c9073\" androidlen=\"2711192\" s60v3md5 = \"0385c891a95beb8eafa1af37df5c9073\" s60v3len=\"2711192\" s60v5md5 = \"0385c891a95beb8eafa1af37df5c9073\" s60v5len=\"2711192\" cdnurl = \"http://emoji.qpic.cn/wx\_emoji/uegWia4YZr30AK1qxayPv3NGlIYSS1Gb5tNJvlamfhOOZsScrJqE65A/\" designerid = \"\" thumburl = \"\" encrypturl = \"http://emoji.qpic.cn/wx\_emoji/uegWia4YZr30AK1qxayPv3NGlIYSS1Gb5CZCZ0Ptlo5rkUcH5z8nhVQ/\" aeskey= \"feb9dea094c83e7aefbb2ffff6508545\" externurl = \"http://emoji.qpic.cn/wx\_emoji/sQqibEgXLPvH3jUbRIyBuUvbHV9UmRVLUVM705ndGciaW2gj3JKZUNhWXoDTCUoty7/\" externmd5 = \"714123d85513dd90c4e6d175584c89a1\" width= \"280\" height= \"157\" tpurl= \"\" tpauthkey= \"\" attachedtext= \"\" attachedtextcolor= \"\" lensid= \"\" ></emoji> </msg>", "room\_wxid": "", "timestamp": 1614217606, "to\_wxid": "wxid\_8pn6il5eyqse22", "wx\_type": 47}

[on\_recv] client\_id: 1, message\_type: 11061, message:{"from\_wxid": "wxid\_pkfm888mt7zd22", "is\_pc": 0, "msgid": "1994758693447034212", "raw\_msg": "<?xml version=\"1.0\"?>\n<msg>\n <appmsg appid=\"wx6618f1cfc6c132f8\" sdkver=\"0\">  
 <title>1614218355958.gif</title>  
 <des />  
 <action>view</action>  
 <type>8</type>  
 <showtype>0</showtype>  
 <content />  
 <url />  
 <dataurl />  
 <lowurl />  
 <lowdataurl />  
 <recorditem><![CDATA[]]></recorditem>  
 <thumburl />  
 <messageaction />  
 <extinfo />  
 <sourceusername />  
 <sourcedisplayname />  
 <commenturl />  
 <appattach>  
 <totallen>2711192</totallen>  
 <attachid>0:0:0385c891a95beb8eafa1af37df5c9073</attachid>  
 <emoticonmd5>0385c891a95beb8eafa1af37df5c9073</emoticonmd5>  
 <fileext>gif</fileext>  
 <aeskey />  
 </appattach>  
 <weappinfo>  
 <pagepath />  
 <username />  
 <appid />  
 <appservicetype>0</appservicetype>  
 </weappinfo>  
 <websearch />  
 <md5>0385c891a95beb8eafa1af37df5c9073</md5>\n </appmsg>\n <fromusername>wxid\_pkfm888mt7zd22</fromusername>\n <scene>0</scene>\n <appinfo>  
 <version>7</version>  
 <appname>\u5fae\u4fe1\u7535\u8111\u7248</appname>\n </appinfo>\n <commenturl></commenturl>\n</msg>\n", "room\_wxid": "", "timestamp": 1614218371, "to\_wxid": "wxid\_8pn6il5eyqse22", "wx\_sub\_type": 8, "wx\_type": 49}

[on\_recv] client\_id: 1, message\_type: 11032, message:{"extend": "", "group\_wxid": "24803859571@chatroom", "member\_list": [{"account": "", "avatar": "http://wx.qlogo.cn/mmhead/ver\_1/vgZr4j4SQdIPCNNYa1jlzGQInCyT10p3hBaAiaAib6OeXxFeicIUjfzW2SRKKGK5dNbYvbEVq6KTBWUsyDu9uhR4BSNpDaK0zKAznkI5ufflHI/132", "city": "", "country": "", "nickname": "AlienK", "province": "", "remark": "", "sex": 0, "wxid": "wxid\_58jmojf06okw21"}, {"account": "", "avatar": "http://wx.qlogo.cn/mmhead/ver\_1/iaEicAMCw2648OfibbIibiaSbUr4bDoqoBxm0tpv09cAeMr63AfJ7ganGSlhBcJrTOcfkNlyCBEJficxzWHPvOVFf5FQ/132", "city": "", "country": "", "nickname": "kamikaze", "province": "", "remark": "", "sex": 0, "wxid": "wxid\_gyv0s18lwowy22"}, {"account": "", "avatar": "http://wx.qlogo.cn/mmhead/ver\_1/QbIaLSJf2Q0MEdMLzaqhg71tPiaia3jZ4ibOBH2Q41McFDGeco2dEoN7LO1DDKHHvicguON69lo42t00pLzqqXuRKS3IicTlTibWfOwqlngsOL17Q/132", "city": "", "country": "", "nickname": "\u4e45\u9060\u5343\u6b72", "province": "", "remark": "", "sex": 0, "wxid": "wxid\_o79ivn8zaw9722"}, {"account": "", "avatar": "http://wx.qlogo.cn/mmhead/ver\_1/kJOibhrVI8UbWMHq011XwjZRo9S6tPoawhKmfII29jUdvu7Ta9jnhFt7AIMm1HUegqnxNlbN4vFRAKa8netx0pl5DiaKD9tQJ1S7fGsVglK20/132", "city": "", "country": "", "nickname": "tamanegi", "province": "", "remark": "", "sex": 0, "wxid": "wxid\_5lv6wv4zoadb22"}, {"account": "", "avatar": "http://wx.qlogo.cn/mmhead/ver\_1/pDPs1aNtJIDVjIQ7UbdfFa3gZKmZXKb467ONBmLh7fNzhu0HzicicRwf2zaB8RFbILTLH5AAX7ibAics6aV1QPSoCk1yDwAmaGgmvVNEKPc7KY4/132", "city": "", "country": "", "nickname": "Quin", "province": "", "remark": "", "sex": 0, "wxid": "wxid\_izp5nqgbpcee12"}, {"account": "", "avatar": "http://wx.qlogo.cn/mmhead/ver\_1/L7KGj7DKDO18DiagDv7CCXSFOiaOMlQjuN3lAaDqwgZGZicOLMln4Npfia0PxXHJz0UYbwtia9zS5ml6zPP6VEpT3iaIqd4KIibuibjDufibdkwhIyk8/132", "city": "", "country": "", "nickname": "ghostrider", "province": "", "remark": "", "sex": 0, "wxid": "wxid\_arobhikaigno12"}, {"account": "a1448625269", "avatar": "http://wx.qlogo.cn/mmhead/ver\_1/ZKr3nx5r2x2F4IBRuerqFeqia3f8eZazYxvJCG9N3HqzHbmOJJnL8LciaPYdTibsGhAPPXLQz6et1ebibBiaSftQiaBiaASehaNdKH9kgyt5nPqffw/132", "city": "Guangzhou", "country": "CN", "nickname": "LjX\ud83d\ude4c\ud83c\udffb", "province": "Guangdong", "remark": "", "sex": 1, "wxid": "wxid\_0cx6b8f6x2wi22"}, {"account": "", "avatar": "http://wx.qlogo.cn/mmhead/ver\_1/KvKnL7kjsia2uvfVj1l4v36lNzibmpObAyL1vv6REQ8OwqzGtdCMjaTCUr9nHQlTXWoiaP0sObdzrNiaibDnibLzbOeibx0UMPbaEeiaXVyZ1DAuUmA/132", "city": "", "country": "", "nickname": "Kurumi.", "province": "", "remark": "", "sex": 0, "wxid": "wxid\_n494l7p146xe22"}, {"account": "", "avatar": "http://wx.qlogo.cn/mmhead/ver\_1/a2FjF7oLI2nB701v30jy1xdYAjHicZEjaTd5p9icZicJEZ3nbVE8Uk5ZruUhOWp5KcGAUG9wqD8TUOOiaXICgQaMvGq46XvYBtEN9ibia9ib2joMn8/132", "city": "", "country": "", "nickname": "Grey to Blue", "province": "", "remark": "", "sex": 0, "wxid": "wxid\_b5j0iul05my012"}, {"account": "", "avatar": "http://wx.qlogo.cn/mmhead/ver\_1/IwfawhjS0kweRHcD5rYxBQfHGEHSShxnF2xVnibahAzp95pJjahMo9xmDWSGqt7N1iaIeXicPK1uFPsgaeaNLMd4GwHibQAe91iaDeMVyNoJZtkM/132", "city": "", "country": "", "nickname": "Echo", "province": "", "remark": "", "sex": 0, "wxid": "wxid\_f012iteoos0a22"}, {"account": "", "avatar": "http://wx.qlogo.cn/mmhead/ver\_1/VL1xbrzGBzshmVxZ7SOAcCHtbsZfqbyulFAMkNmvcYfsQ8BurBxhKgsDiaDmbwrTU9tnMtibjtV1gQnfZdEFJOibDicrJpVDdYk0DhMaq6wKnI0/132", "city": "", "country": "", "nickname": "\u541b\u5c71", "province": "", "remark": "", "sex": 0, "wxid": "wxid\_1yg15d18bv9h22"}, {"account": "", "avatar": "http://wx.qlogo.cn/mmhead/ver\_1/pZb5ObaYQkD2chOM2aVceQ71QR1rNcNfMalAugO0pXYSv9gUBfEnt7vx0x8z2L9UdwsiblfibJCkFRicO8X1lVicwpHKZJWjjibV14ugJibeqIXbA/132", "city": "", "country": "", "nickname": "-", "province": "", "remark": "", "sex": 0, "wxid": "wxid\_8racbolk6alp12"}, {"account": "", "avatar": "http://wx.qlogo.cn/mmhead/ver\_1/mWyydSLicic46GMdfUg3LSjrSHUw4HHSNhOVDA5fWzKLDN6fvd5bNN4Yib5MlWPBJuZIcxtmPTaJaDncibMLLicKiafq5P1r4wibQlOkQlDNIdFp3U/132", "city": "", "country": "", "nickname": "\u8f7b\u4e95\u6cfd\u60e0", "province": "", "remark": "", "sex": 0, "wxid": "wxid\_gtgf7o4ucpli22"}, {"account": "", "avatar": "http://wx.qlogo.cn/mmhead/ver\_1/85EwiaIlAdRWWcrhB8ib08jOTLtwh1ibFo4L9uPr40HARDzIAHS4DjicQxW1icoWwjRaoTKfolCAiapjicXxswXkk3liaad4KdpORfLAB4uEyrk42iaw/132", "city": "", "country": "", "nickname": "\u7531\u4f9d", "province": "", "remark": "", "sex": 0, "wxid": "wxid\_fx8x159rgc6z21"}, {"account": "cab15888776370", "avatar":

"http://wx.qlogo.cn/mmhead/ver\_1/ibkc5HPy3BDyMaf8ia4SfbX3OIvLFEuCbqyE52icNM7opvTBylQwkrAJMaUMhFPG4iaicfxjx7BTPUnOog6P6lbprdwa4dz1cxrpDqHRnOlmMXe8/132", "city": "Wenzhou",

"country": "CN", "nickname": "cab", "province": "Zhejiang", "remark": "", "sex": 0, "wxid": "wxid\_pkfm888mt7zd22"}, {"account": "", "avatar": "http://wx.qlogo.cn/mmhead/ver\_1/jMLfvh7h7eVO2zrzKE7zCj3hqlpsRbicbSc8icp14wBxPK5iaNvzsK90ElbzzKVrWucFw9Bj1T9ukvrdaQnGgCLEw/132", "city": "", "country": "", "nickname": "Left\u3002", "province": "", "remark": "", "sex": 0, "wxid": "wxid\_si2if762xjr522"}, {"account": "", "avatar": "http://wx.qlogo.cn/mmhead/ver\_1/wfU3tj1DpzwMj4aYAejAUe0hpib2ENPzaqsW8cWCAKNMyoV7RUybkQZx8tLaqboks2y63nqeU8OibXaJSjbb6By8QZCibUiboJ7ZaWh8NLqWqrc/132", "city": "", "country": "", "nickname": "FN\_2100", "province": "", "remark": "", "sex": 0, "wxid": "wxid\_nsdonbywgwnk12"}, {"account": "", "avatar": "http://wx.qlogo.cn/mmhead/ver\_1/04J8ecHFBHQQoicz9gXsibNNXVjcPhOqjKTxIwm4MhUMoCHkCHubDnJiaGIZfW4jvHVL3ye1YEjiaVg3UBhCl58OXricTD4udGUG7rfCGbUCIc1k/132", "city": "", "country": "", "nickname": "-\ud83d\udc3d-", "province": "", "remark": "", "sex": 0, "wxid": "wxid\_rkf5rjn2ox0g11"}, {"account": "", "avatar": "", "city": "", "country": "", "nickname": "\u30ed\u30dc\u30c3\u30c8\u3055\u3093", "province": "", "remark": "", "sex": 0, "wxid": "wxid\_8pn6il5eyqse22"}], "total": 19}

{'AlienK': 'wxid\_58jmojf06okw21', 'kamikaze': 'wxid\_gyv0s18lwowy22', '久遠千歲': 'wxid\_o79ivn8zaw9722', 'tamanegi': 'wxid\_5lv6wv4zoadb22', 'Quin': 'wxid\_izp5nqgbpcee12', 'ghostrider': 'wxid\_arobhikaigno12', 'LjX��🏻🏻': 'wxid\_0cx6b8f6x2wi22', 'Kurumi.': 'wxid\_n494l7p146xe22', 'Grey to Blue': 'wxid\_b5j0iul05my012', 'Echo': 'wxid\_f012iteoos0a22

', '君山': 'wxid\_1yg15d18bv9h22', '-': 'wxid\_8racbolk6alp12', '轻井泽惠': 'wxid\_gtgf7o4ucpli22', '由依': 'wxid\_fx8x159rgc6z21', 'cab': 'wxid\_pkfm888mt7zd22', 'Left。': 'wxid\_si2if762xjr522', 'FN\_2100': 'wxid\_nsdonbywgwnk12', '-�🐽-': 'wxid\_rkf5rjn2ox0g11', ロボットさんん': 'wxid\_8pn6il5eyqse22'}

[on\_recv] client\_id: 1, message\_type: 11061, message:{"from\_wxid": "wxid\_pkfm888mt7zd22", "is\_pc": 0, "msgid": "8732399372492113086", "raw\_msg": "<?xml version=\"1.0\"?>\n<msg>\n <appmsg appid=\"wxcb8d4298c6a09bcb\" sdkver=\"0\">  
 <title>\u65b0Apex\u4e00\u5206\u949f|\u6bd2\u6c14\u5c0f\u9547\u7248\u672c\u5b98\u65b9\u6d4b\u8bd5\u670d\u6f14\u793a\u8bb2\u89e3\uff01#92</title>  
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def fun\_timer():

print('Hello Timer!')

global timer

timer = threading.Timer(5.5, fun\_timer)

timer.start()

timer = threading.Timer(1, fun\_timer)

timer.start()

————————————————

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原文链接：<https://blog.csdn.net/saltriver/article/details/52194915>

def startTimer():

global timer

if timer != None:

timer.finished.wait(timerFlag)

timer.function()

else:

timer = threading.Timer(timerFlag, upload\_position)

timer.start()