FOOF Background Service

```
FOOF Background Service
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   Search
```

Version

server version: v7.0.1A

doc version: v7.0.0 alphaupdated: 2019/09/10 13:02author: Hanyuu Furude

Characteristics

- Docker
- Nginx
- WebPack
- koa
- Sequelize
- jwt

Run docker

• listening port: 4000

```
docker run --network host -d -v [locationOfAvatarOnPhysicsMachine]: [locationOfAvatarOnContainer] hanyuufurude/foofserver:v[x]
```

• e.g.

```
docker run --network host -d -v /home/.../avatar:/foof/avatar hanyuufurude/foofserver:v3
```

Warning

1. If you meet Exception like this

Error: Client does not support authentication protocol requested by server; consider upgrading MySQL client

You are suggested to change the type of your password, please typing like this:

```
alter user 'USER'@'localhost' identified with mysql_native_password by 'PASSWORD'
tlush privileges;
```

2. If you try to pack the back end your self, you may meet error like this:

require is not a function

You are suggest to stop the use of the 'gently', and we suggest you can add a config in your **webpack.conf.ts** to resolve the error.

```
module.exports = {
plugins: [
new webpack.DefinePlugin({ "global.GENTLY": false })
};

};
```

SQL table fields

users

Field	Туре	-	Null	ке	y	Default	Extra
+	-+	-+		+	+		+
uuid	int(11)		NO	PR	I	NULL	auto_increment
password	varchar(255)		NO			NULL	
username	varchar(255)		NO			NULL	
phonenumber	varchar(255)		NO			NULL	I
idcard	varchar(255)		NO			NULL	I
studentid	int(11)		NO		-	NULL	
address	varchar(255)		NO		-	NULL	
avatarurl	varchar(255)		NO			NULL	
verified	int(11)		NO			NULL	I
score	int(11)		NO			NULL	
info	varchar(255)		NO			NULL	

items

+		•		•		+-		+
Field	Туре		Null		Кеу		Default	Extra
+	+	-+		+		+		+
itemid	int(11)		NO		PRI		NULL	auto_increment
uuid	int(11)		NO				NULL	
title	varchar(255)		NO				NULL	
type	int(11)		NO				NULL	
price	double		NO				NULL	
imgurl	varchar(255)		NO				NULL	
depreciatione	int(11)		NO				NULL	
note	varchar(255)		NO				NULL	
sold	int(11)		NO				NULL	
to	int(11)		YES				NULL	
+	-+	-+		+		+-		+

favorites

chats

Interface to frond end.

Test page

- china: hanyuu.top:8080
- international:inari.ml:8080

Users

public query

```
1 | None

1 | None

1 | None

1 | //success
2 | {
3      "uuid": 1,
4      "username": "新手咸鱼人员",
5      "avatarurl": "image\\avatar\\default.jpg",
6      "verified": 0,
7      "score": 10,
8      "info": "这家伙很懒, 什么都没有写>~<",
9      "status": "success"
10 | }
```

me

```
1 | POST /user/me

1 | Content-Type:application/x-www-form-urlencoded
```

```
1 {"表单数据":
{"token":"eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1dWlkIjoxLCJnZW5lcmF0ZSI6MT
U2NzU5NjMwMjIwMCwiaWF0IjoxNTY3NTk2MzAyfQ.ijUssByflHjPqWOMMcJMvqroJCas1PKOBXUY
Yas6dYU"}}
```

```
1 //success
2 {
 3
     "uuid": 1,
     "username": "新手咸鱼人员",
4
 5
     "phonenumber": "1",
 6
     "idcard": "",
7
     "studentid": "0",
    "address": "",
8
     "avatarurl": "image\\avatar\\default.jpg",
9
     "verified": 0,
10
     "score": 10,
11
     "info": "这家伙很懒,什么都没有写>~<",
12
13
    "status": "success"
14 }
15
   //wrong token
16 403 Forbidden
```

published

```
1 | POST /user/published
```

```
1 | Content-Type:application/x-www-form-urlencoded
```

```
1 | {"表单数据":{"uuid":"<mark>1"</mark>}}
```

```
1
    2
    {
      "itemid": 5,
3
      "uuid": 1,
4
 5
      "title": "未命名商品1",
6
       "type": 1,
7
       "price": 1.23,
       "imgurl": "[
                       \"image\\\item\\\0.35113526938054584.jpg\",
   \"image\\\item\\\0.5106340873338395.jpg\",
   \"image\\\item\\\0.37461623290026935.jpg\",
   \"image\\\item\\\0.887643214342515.jpg\"
9
       "depreciatione": 99,
10
       "note": "然而并没什么描述",
       "sold": -1,
11
       "to": null
12
13
     },
14
       "itemid": 6,
15
16
       "uuid": 1,
       "title": "未命名商品2",
17
       "type": 2,
18
19
       "price": 3.99,
```

```
20
       "imgurl": "[ \"image\\\item\\\0.35113526938054584.jpg\",
   \ '''image\\\ '''image\\\ ''o.5106340873338395.jpg\\\ '',
   \"image\\\item\\\0.887643214342515.jpg\" ]",
      "depreciatione": 99,
21
      "note": "这里也没什么描述",
22
23
      "sold": -2,
       "to": null
24
25
    }
26 ]
```

finished

```
1 | POST /user/finished
```

```
1 | Content-Type:application/x-www-form-urlencoded
```

```
1 {"表单数据":
{"token":"eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1dWlkIjoxLCJnZW5lcmF0ZSI6MT
U2NzU5NjMwMjIwMCwiaWF0IjoxNTY3NTk2MzAyfQ.ijUssByflHjPqWOMMcJMvqroJCaS1PKOBXUY
YaS6dYU"}}
```

```
1
    [
 2
      {
        "itemid": 3,
 3
 4
        "uuid": 1,
       "title": "432",
        "type": 798,
 6
 7
        "price": 987,
        "imgurl": "987",
 8
        "depreciatione": 798,
9
        "note": "987",
10
        "sold": -2,
11
       "to": 1
12
13
      },
14
       "itemid": 4,
15
        "uuid": 1,
16
17
        "title": "432",
        "type": 798,
18
19
        "price": 987,
        "imgurl": "987",
20
        "depreciatione": 798,
21
22
        "note": "987",
        "sold": -2,
23
24
        "to": 1
25
      }
26 ]
```

login

```
1 | POST /user/login
```

```
1 | Content-Type:application/x-www-form-urlencoded
```

```
1 {"表单数据":{"phonenumber":"1","password":"1"}}
```

```
1 //success
2
   {
3
     "status": "success",
     "info": {
4
5
       "uuid": 1,
       "username": "新手咸鱼人员",
6
        "phonenumber": "1",
       "idcard": "",
8
9
       "studentid": "0",
       "address": "",
10
       "avatarurl": "image\\avatar\\default.jpg",
11
12
       "verified": 0,
13
      "score": 10,
      "info": "这家伙很懒,什么都没有写>~<"
14
15
     },
     "token":
16
    "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1dwlkIjoxLCJnZw5lcmF0ZSI6MTU2NzU5Nz
    AyOTAOMywiaWF0IjoxNTY3NTk3MDI5fQ.fx-bxf7P55BU5OuvbGWTbzyTFZ-
    AH2JLpGLuVC58ge0"
17
    }
18 // password incorrect
19
20
     "status": "failure",
    "info": "password incorrect"
21
22 }
```

register

```
1 | POST /user/register
```

```
1 | Content-Type:application/x-www-form-urlencoded
```

```
1 {"表单数据":{"phonenumber":"2","verifycode":"2","password":""}}
```

```
// success
{"status":"success"}
// phone number already token
{"status":"failure","info":"phone number already token"}
// invaild request
{"status":"failure","info":"invaild request"}
```

reset password

```
1 | POST /user/reset
```

```
1 | Content-Type:application/x-www-form-urlencoded
```

```
1 {"表单数据":{"phonenumber":"1111","verifycode":"2345","password":"1"}}
  1 // success
  2 {"status":"success"}
  3 // invaild verify code
  4 {
      "status":"failure",
  5
     "info":"bad verify code"
  6
  7 }
     // invaild request
  8
  9
      "status":"failure",
 10
     "info":"invaild request"
 11
 12 }
require verify code (phone number)
    POST /user/requirecode
 1 | Content-Type:application/x-www-form-urlencoded
 1 {"表单数据":{"phonenumber":"1"}}
 1 //success
   {"status":"success"}
upload avatar
 • the request size is no greater than 1mb
    POST /user/avatar (avatar's max size: 1mb)
    Content-Type:multipart/form-data
     -----644897516845
  1
     Content-Disposition: form-data; name="token"
  4
  6
     eyJhbGcioiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1dWlkIjoxLCJnZW5lcmF0ZSI6MTU2NzI0Nzk
     zMDk3MywiaWF0IjoxNTY3MjQ3OTMwfq.cQxtqPF70kYPU0velel15udolCS54F6y0ZxCbcc3mUM
  8
  9
                -----644897516845
 10
     Content-Disposition: form-data; name="file"; filename="800px-
 11
     1.jpg"
 12
```

13

Content-Type: image/jpg

```
15 【文件载荷内容】
16 ------644897516845--
```

```
//success
2
   {
 3
     "status": "success",
     "imgurl": [
4
 5
       "image\\item\\0.37298177116166853.jpg",
        "image\\item\\0.8804691995112837.jpg",
6
7
        "image\\item\\0.1519560908440687.jpg",
8
        "image\\item\\0.18944967144424818.jpg"
9
   }
10
11 //wrong token
12 | 403 Forbidden
```

modify

- this interface will accept the request whether the request contains password or not. if you don't want to change your password, please do not request this fields.
- however, you have to copy the value of the fields of other fields even you don't want to change those;

```
1 | POST /user/modify
```

```
1 | Const-Type:application/x-www-form-urlencoded
```

```
1 {"表单数据":
    {"token":"eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1dwlkIjoxLCJnZw5lcmF0ZSI6MT
    U2NzI1NTA2MDEzNiwiaWF0IjoxNTY3MjU1MDYwfQ.-lowPBl4QFyw9idh9QAAtjIITTOehPB9iSdg
    DZ183kI","username":"WakamiyaEve","password":"1111","idcard":"1","studentid":
    "2","address":"M3c","info":"no"}}
```

```
1  // success
2  {
3    "status": "success"
4  }
5  //wrong token
6  403 Forbidden
```

require verify code (email)

```
1 | POST /user/mail/verify
```

```
1 | Const-Type:application/x-www-form-urlencoded
```

```
1 {"表单数据":
{"token":"eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1dWlkIjoxLCJnZW5lcmF0ZSI6MT
U2NzYwNTM4ODY4OSwiaWF0IjoxNTY3NjA1Mzg4fQ.jCF-
T3w_Z_E9u6GnZJY2OfB0n4kjXLikC3f9jl4vJmg"}}
```

```
1 // success
2 {"status":"success"}
```

verify code (mail)

```
1 | GET /user/mail/verify/:token

1 | none

1 | //success
2 | {"status":"success"}
```

Items

define of sold

```
sold:
1
2
     {
3
      sale: 1,
4
      sold: 2,
5
      deleted :3,
6
      want: -1,
7
      got: −2,
8
       deleted: -3,
9
10
11
     }
```

query

```
1 | GET /item/[itemid]
```

```
1 None
```

```
//success
       2
       3
                                            "itemid": 1,
                                          "uuid": 1,
       4
                                           "title": "432",
       5
                                           "type": 798,
       7
                                            "price": 987,
       8
                                             "imgurl": "image\\item\\1-1-0.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1.jpg++image\\item\\1-1-1-1.jpg++image\\item\\1-1-1-1.jpg++image\\item\\\
                              1-2.jpg++image\\item\\1-1-3.jpg++"
      9
                                             "depreciatione": 798,
                                             "note": "987",
 10
                                            "sold": 2,
 11
                                             "to": null,
 12
                                              "status": "success"
13
14
                              }
 15
                             //no item
```

```
16 | {"status":"none"}
```

add

```
1 | POST /item/add
```

```
1 | Content-Type:application/x-www-form-urlencoded
```

```
1 {"表单数据":
    {"token":"eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1dWlkIjoxLCJnZW5lcmF0ZSI6MT
    U2NzU5NjMwMjIwMCwiaWF0IjoxNTY3NTk2MzAyfQ.ijUssByflHjPqWOMMcJMvqroJCaS1PKOBXUY
    YaS6dYU","title":"未命名商品
    1","type":"1","price":"1.23","depreciatione":"99","note":"然而并没什么描述","sold":"-1"}}
```

```
1 //success
2
     "status": "success",
3
     "data": {
4
5
      "itemid": 15,
      "title": "1",
6
7
      "type": "1",
      "price": "1",
8
      "depreciatione": "1",
9
      "note": "1",
10
      "sold": "1",
11
12
      "uuid": 1,
      "imgurl": "./image/itemdefault.jpg",
13
       "to": 0
14
    }
15
16 }
17 //no item
18
   {"status":"none"}
19 //wrong token
20 403 Forbidden
```

delete

```
1 | POST /item/delete
```

```
1 | Content-Type:application/x-www-form-urlencoded
```

```
1 {"表单数据":
{"token":"eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1dwlkIjoxLCJnZw5lcmF0ZSI6MT
U2NzU2NTYwODkzNCwiawF0IjoxNTY3NTY1NjA4fQ.J_END7-
qsN7HyPmLpQXHcaBOylNvI96OTSEgVg4X-9w","itemid":"1"}}
```

```
1 //success
2 {"status":"success"}
```

upload image

• The name property of the file is arbitrary and the request size is no greater than 1mb

```
1 | POST /item/image

1 | Content-Type:multipart/form-data
```

```
1
   请求载荷 (payload)
3
4
   -----5005412110300
5
6
   Content-Disposition: form-data; name="token"
8
9
   eyJhbGcioiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1dWlkIjoxLCJnZW5lcmF0ZSI6MTU2NzI0ODU
10
   50TI40SwiaWF0IjoxNTY3MjQ4NTk5fq.ezvX48rpjAAzd6Bwr3eFrSCnrQT_3SGoXID1NSWAa_8
11
12
   -----5005412110300
   Content-Disposition: form-data; name="itemid"
13
14
15
16
17
   -----5005412110300
18
   Content-Disposition: form-data; name="file0";
19
   filename="Hoshikawa_Hotaru.png"
20
21
   Content-Type: image/png
22
   【文件载荷】
23
   -----5005412110300
24
   Content-Disposition: form-data; name="file1"; filename="23984.png"
25
26
27
   Content-Type: image/png
28
   【文件载荷】
   -----5005412110300
29
30
   Content-Disposition: form-data; name="file2"; filename="24370.png"
31
32
33
   Content-Type: image/png
34
   【文件载荷】
35
   -----5005412110300
36
   Content-Disposition: form-data; name="file3"; filename="53-098.png"
37
38
39
   Content-Type: image/png
40
   【文件载荷】
41
   -----5005412110300
```

```
1  // success
2  {
3   "status": "success",
```

```
4
      "imgurl": [
 5
        "image\\item\\1-1-0.jpg",
 6
        "image\ilde{1-1-1.jpg}",
 7
        "image\\item\\1-1-2.jpg",
 8
        "image\\item\\1-1-3.jpg"
9
      ]
10
    }
11
   // file too large
12 | 413 Request Entity Too Large
   //wrong token
14 403 Forbidden
```

modify

```
1 | POST /item/modify
```

```
1 Content-Type:multipart/form-data
```

```
1 {"表单数据":
    {"token":"eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJldwlkIjoxLCJnZw5lcmF0ZSI6MT
    U2NzI1NTA2MDEzNiwiaWF0IjoxNTY3MjU1MDYwfQ.-lowPB14QFyw9idh9QAAtjIITTOehPB9iSdg
    DZ183kI","itemid":"1","title":"小米充电
    宝","type":"2","price":"299.9","imgurl":"{+++\"imgurl\":+
    [++++\"image\\\item\\\0.21266930758871538.jpg\",++++\\"image\\\item\\\0.4408016895777478.jpg\",+++++\"image\\\item\\\0.7268863338186755.jpg\",+++++\\"image\\\item\\\0.7410747437739387.jpg\"+++]+}","depreciatione":"98","note
    ":"一块钱四个","sold":"-1"}}
```

```
1  // success
2  {"status":"success"}
3  //wrong token
4  403 Forbidden
```

trade

```
1 | POST /item/trade
```

```
1 | Content-Type:multipart/form-data
```

```
1 {"表单数据":
    {"token":"eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1dwlkIjoxLCJnZw5lcmF0ZSI6MT
    U2NzU2NTYwODkzNCwiawF0IjoxNTY3NTY1NjA4fQ.J_END7-
    qsN7HyPmLpQXHcaBOylNvI96OTSEgVg4X-9w","itemid":"1"}}
```

```
1  //success
2  {
3    "status":"success"
4  }
5  // not for trade
6  {
7    "status": "failure",
8    "info": "item not availabe for trade"
9  }
```

Favorites

query

```
1 | POST /fav/query
```

```
1 | Content-Type:application/x-www-form-urlencoded
```

```
1 {"表单数据":
    {"token":"eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1dwlkIjoxLCJnZw5lcmF0ZSI6MT
    U2NzU2NTYwODkzNCwiawF0IjoxNTY3NTY1NjA4fQ.J_END7-
    qsN7HyPmLpQXHcaBOylNvI96OTSEgVg4X-9w"}}
```

```
1 {
2
     "status": "success",
3
      "res": [
4
      {
         "id": 5,
5
         "itemid": 3,
6
7
         "uuid": 1
8
       },
9
         "id": 7,
10
        "itemid": 1,
11
         "uuid": 1
12
13
       },
14
        "id": 8,
15
        "itemid": 2,
16
         "uuid": 1
17
18
        },
19
         "id": 9,
20
         "itemid": 3,
21
         "uuid": 1
22
23
       },
24
         "id": 10,
25
         "itemid": 4,
26
         "uuid": 1
27
28
        },
29
        {
          "id": 11,
30
```

```
31
      "itemid": 5,
32
         "uuid": 1
33
       },
34
      {
       "id": 12,
35
        "itemid": 6,
36
        "uuid": 1
37
       },
38
39
      {
         "id": 13,
40
        "itemid": 7,
41
        "uuid": 1
42
43
      },
44
      {
       "id": 14,
45
        "itemid": 8,
46
        "uuid": 1
47
48
      },
49
      {
       "id": 15,
50
        "itemid": 9,
51
52
        "uuid": 1
53
      }
54
    ]
55 }
```

add

the field of data is a json string list of itemid that you wanna to add to your favorites.

delete

• the field of data is a json string list of itemid that you wanna to delete from your favorites.

```
1 | POST /fav/delete

1 | Content-Type:application/x-www-form-urlencoded
```

```
1 {"表单数据":
    {"token":"eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1dWlkIjoxLCJnZW5lcmF0ZSI6MT
    U2NzU2NTYWODkzNCwiaWF0IjoxNTY3NTY1NjA4fQ.J_END7-
    qsN7HyPmLpQXHcaBOylNvI96OTSEgVg4x-9w","data":"[1,2,3]"}}
```

```
1 {
2  "status": "success"
3 }
```

Message

send message

```
1 | POST /user/chat/push
```

```
1 Content-Type:application/x-www-form-urlencoded
```

```
1 {"表单数据":
    {"token":"eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1dwlkIjoxLCJnZw5lcmF0ZSI6MT
    U2NzU2NTYwODkzNCwiawF0IjoxNTY3NTY1NjA4fQ.J_END7-
    qsN7HyPmLpQXHcaBOylNvI96OTSEgVg4X-
    9w","to":"1","type":"1","data":"hi,+world."}}
```

```
1 //success
2 {"status":"success"}
```

fetch new message

- this interface will only return messages that have never been fetched.
- we suggest that you use this to check whether you have a new message or not.

```
1 POST /user/chat/fetchnew
```

 $1 \hspace{0.1cm} \mid \hspace{0.1cm}$ The name property of the file is arbitrary and the request size is no greater than 2mb

```
1 {"表单数据":
    {"token":"eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1dwlkIjoxLCJnZW5lcmF0ZSI6MT
    U2NzU2NTYWODkzNCwiaWF0IjoxNTY3NTY1NjA4fQ.J_END7-
    qsN7HyPmLpQXHcaBOylNvI96OTSEgVg4X-9w"}}
```

```
9     "data": "hi, world.",
10     "fetched": false,
11     "createdAt": "2019-09-04T14:29:05.000Z",
12     "updatedAt": "2019-09-04T14:29:05.000Z"
13     }
14     ]
15 }
```

fetch all message

• if you lost your message or want to sync you message record, it's a good choice

```
1 | POST /user/chat/fetchall
```

```
1 | Content-Type: application/x-www-form-urlencoded
```

```
1 {"表单数据":
{"token":"eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1dwlkIjoxLCJnZw5lcmF0ZSI6MT
U2NzU2NTYwODkzNCwiawF0IjoxNTY3NTY1NjA4fQ.J_END7-
qsN7HyPmLpQXHcaBOylNvI96OTSEgVg4X-9w"}}
```

```
1
    {
 2
      "status": "success",
      "data": [
 3
4
       {
          "id": 1,
5
6
          "from": 1,
          "to": 1,
          "type": 1,
8
          "data": "hi",
9
          "fetched": true,
10
11
          "createdAt": "2019-09-04T07:17:22.000z",
12
          "updatedAt": "2019-09-04T07:37:56.000Z"
13
        },
14
          "id": 2,
15
          "from": 1,
16
          "to": 1,
17
          "type": 1,
18
19
          "data": "hi, world.",
          "fetched": true,
20
21
          "createdAt": "2019-09-04T14:29:05.000Z",
          "updatedAt": "2019-09-04T14:36:32.000Z"
22
23
24
      ]
25 }
```

trade

delete single request

```
1 | POST /user/want/delete
```

1 | Content-Type: application/x-www-form-urlencoded

```
1 {"表单数据":
    {"token":"eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1dWlkIjoxLCJnZW5lcmF0ZSI6MT
    U2NzU2NTYWODkzNCwiaWF0IjoxNTY3NTY1NjA4fQ.J_END7-
    qsN7HyPmLpQXHcaBOylNvI96OTSEgVg4X-9w"}}
```

suggest structure of message

example message

```
1
 2
     "status": "success",
 3
     "data":[
 4
       {
             "id":3,
             "from":1,
 6
 7
             "to":12,
8
             "type":1,
9
             "data":"hi",
             "fetched":false,
10
             "createdAt": "2019-09-09T15:53:00.000Z",
11
12
             "updatedAt":"2019-09-09T15:53:00.000Z"
13
         }
    ]
14
15
```

- id
 - id is the id of the message, it's just a globally unique identifier of the message, you can ignore it in most situations.
- from & to
 - all information about sender and receiver should be fetched by their uuid (from and to)
 You are not suggested to carry any extra information about any role for that may out dated.
- type
 - 0: system information
 - data =
 - data =
 - 1: chat information
- data
 - data is the body of the message, it has extra conventions in front end, it will be mentioned below.
- fetched
 - whether this piece of message had been picked by receiver.
- CreatedAt & updatedAt

Search

```
1 POST /item/search
1 | Content-Type: application/x-www-form-urlencoded
1 //method:item
2
  {"表单数据":{"method":"good","query":"jd"}}
3 //method:user
4 {"表单数据":{"method":"user","query":"jd"}}
 1 //success
2 {
 3
     "took":7,
     "timed_out":false,
4
    "_shards":
 6
    {
     "total":5,
"successful":5,
 7
8
      "skipped":0,
9
      "failed":0
10
11
      },
    "hits":
12
13
14
      "total":0,
      "max_score":null,
15
16
        "hits":[
17
           ]
18
       }
19
20
   //invaild request
21 {
     "status": "failure",
22
```

"info": "invaild request"

2324}