

FOOF Background Service

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Version

- server version: v6.7
- doc version: v6.7.0 alpha
- updated: 2019/09/08 18:42
- author: Hanyuu Furude

Characteristics

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

Run docker

- listening port: 4000

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

- e.g.

```
1 | 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:

```
1 | alter user 'USER'@'localhost' identified with mysql_native_password by  
   | 'PASSWORD'  
2 | flush 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.

```
1 | module.exports = {  
2 |   plugins: [  
3 |     new webpack.DefinePlugin({ "global.GENTLY": false })  
4 |   ],  
5 | };
```

SQL table fields

users

1	+-----+-----+-----+-----+-----+-----+-----+						
2	Field	Type	Null	Key	Default	Extra	
3	+-----+-----+-----+-----+-----+-----+-----+						
4	uuid	int(11)	NO	PRI	NULL	auto_increment	
5	password	varchar(255)	NO		NULL		
6	username	varchar(255)	NO		NULL		
7	phonenumber	varchar(255)	NO		NULL		
8	idcard	varchar(255)	NO		NULL		
9	studentid	int(11)	NO		NULL		
10	address	varchar(255)	NO		NULL		
11	avatarurl	varchar(255)	NO		NULL		
12	verified	int(11)	NO		NULL		
13	score	int(11)	NO		NULL		
14	info	varchar(255)	NO		NULL		
15	+-----+-----+-----+-----+-----+-----+-----+						

items

1	+-----+-----+-----+-----+-----+-----+-----+						
2	Field	Type	Null	Key	Default	Extra	
3	+-----+-----+-----+-----+-----+-----+-----+						
4	itemid	int(11)	NO	PRI	NULL	auto_increment	
5	uuid	int(11)	NO		NULL		
6	title	varchar(255)	NO		NULL		
7	type	int(11)	NO		NULL		
8	price	double	NO		NULL		
9	imgurl	varchar(255)	NO		NULL		
10	depreciatione	int(11)	NO		NULL		
11	note	varchar(255)	NO		NULL		
12	sold	int(11)	NO		NULL		
13	to	int(11)	YES		NULL		
14	+-----+-----+-----+-----+-----+-----+-----+						

favorites

1	+-----+-----+-----+-----+-----+-----+-----+						
2	Field	Type	Null	Key	Default	Extra	
3	+-----+-----+-----+-----+-----+-----+-----+						
4	id	int(11)	NO	PRI	NULL	auto_increment	
5	itemid	int(11)	NO		NULL		
6	uuid	int(11)	NO		NULL		
7	+-----+-----+-----+-----+-----+-----+-----+						
8	+-----+-----+-----+-----+-----+-----+-----+						

chats

1	+-----+-----+-----+-----+-----+-----+-----+						
2	Field	Type	Null	Key	Default	Extra	
3	+-----+-----+-----+-----+-----+-----+-----+						
4	id	int(11)	NO	PRI	NULL	auto_increment	
5	from	int(11)	NO		NULL		
6	to	int(11)	NO		NULL		
7	data	varchar(255)	NO		NULL		
8	fetched	tinyint(1)	NO		NULL		
9	createdAt	datetime	NO		NULL		
10	updatedAt	datetime	NO		NULL		
11	+-----+-----+-----+-----+-----+-----+-----+						

Interface to frond end.

Test page

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

Users

public query

```
1 | GET /user/[uuid]
```

```
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.eyJ1dwIkiJoxLCJnZW5lcmF0ZSI6MTU2NzU5NjMwMjIwMCwiaWF0IjoxNTY3NTk2MzAyfQ.i jUssByf1HjPqWOMMcJMvqroJCaS1PKOBXUYYaS6dYU"}}}
```

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

```
1 [  
2   {  
3     "itemid": 5,  
4     "uuid": 1,  
5     "title": "未命名商品1",  
6     "type": 1,  
7     "price": 1.23,  
8     "imgurl": "[      \"image\\\\\\\\item\\\\\\\\0.35113526938054584.jpg\",  
9     \"image\\\\\\\\item\\\\\\\\0.5106340873338395.jpg\",  
10    \"image\\\\\\\\item\\\\\\\\0.37461623290026935.jpg\",  
11    \"image\\\\\\\\item\\\\\\\\0.887643214342515.jpg\"    ]",  
12    "depreciation": 99,  
13    "note": "然而并没什么描述",  
14    "sold": -1,  
15    "to": null  
16  },  
17  {  
18    "itemid": 6,  
19    "uuid": 1,  
20    "title": "未命名商品2",  
21    "type": 2,  
22    "price": 3.99,  
23  }  
24 ]
```

```

20     "imgurl": "[    \"image\\\\\\\\item\\\\\\\\0.35113526938054584.jpg\",
    \"image\\\\\\\\item\\\\\\\\0.5106340873338395.jpg\",
    \"image\\\\\\\\item\\\\\\\\0.37461623290026935.jpg\",
    \"image\\\\\\\\item\\\\\\\\0.887643214342515.jpg\"    ]",
21     "depreciation": 99,
22     "note": "这里也没什么描述",
23     "sold": -2,
24     "to": null
25 }
26 ]

```

finished

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

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

```

1 | {"表单数据":
  {"token":"eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1dWlkIjoxLCJnZW51cmF0ZSI6MTU2NzU5NjMwMjIwMCwiawF0IjoxNTY3NTk2MzAyfQ.ijUssByfIHjPqWOMMcJMVqroJCas1PKOBXUY
  YaS6dYU"}}

```

```

1 | [
2 |   {
3 |     "itemid": 3,
4 |     "uuid": 1,
5 |     "title": "432",
6 |     "type": 798,
7 |     "price": 987,
8 |     "imgurl": "987",
9 |     "depreciation": 798,
10 |    "note": "987",
11 |    "sold": -2,
12 |    "to": 1
13 |  },
14 |  {
15 |    "itemid": 4,
16 |    "uuid": 1,
17 |    "title": "432",
18 |    "type": 798,
19 |    "price": 987,
20 |    "imgurl": "987",
21 |    "depreciation": 798,
22 |    "note": "987",
23 |    "sold": -2,
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",
4    "info": {
5      "uuid": 1,
6      "username": "新手咸鱼人员",
7      "phonenumber": "1",
8      "idcard": "",
9      "studentid": "0",
10     "address": "",
11     "avatarurl": "image\\avatar\\default.jpg",
12     "verified": 0,
13     "score": 10,
14     "info": "这家伙很懒，什么都没有写>^<"
15   },
16   "token":
17     "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1dWlkIjoxLCJnZW51cmF0ZSI6MTU2NzU5NzAyOTA0MywiaWF0IjoxNTY3NTk3MDI5fQ.fx-bxf7P55BU50uvbGWTbzyTFZ-AH2JLpGLuVC58ge0"
17 }
18 // password incorrect
19 {
20   "status": "failure",
21   "info": "password incorrect"
22 }
```

register

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

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

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

```
1  // success
2  {"status":"success"}
3  // phone number already token
4  {"status":"failure","info":"phone number already token"}
5  // invaild request
6  {"status":"failure","info":"invaild request"}
```

reset password

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

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

```
1 | {"表单数据":{"phonenummer":"1111","verifycode":"2345","password":"1"}}
```

```
1 | // success
2 | {"status":"success"}
3 | // invaild verify code
4 | {
5 |   "status":"failure",
6 |   "info":"bad verify code"
7 | }
8 | // invaild request
9 | {
10 |  "status":"failure",
11 |  "info":"invaild request"
12 | }
```

require verify code (phone number)

```
1 | POST /user/requirecode
```

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

```
1 | {"表单数据":{"phonenummer":"1"}}
```

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

upload avatar

- the request size is no greater than 1mb

```
1 | POST /user/avatar (avatar's max size: 1mb)
```

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

```
1 | -----644897516845
2 |
3 | Content-Disposition: form-data; name="token"
4 |
5 |
6 |
7 | eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1dwIkiJoxLCJnZW51cmF0ZSI6MTU2NzI0NzkzMDk3MywiaWF0IjoxNTY3MjQ3OTMwfQ.cQxtqPF70kYPUovE1E115udo1CS54F6yOZxCbcc3mUM
8 |
9 | -----644897516845
10 |
11 | Content-Disposition: form-data; name="file"; filename="800px-
    %E5%8D%83%E6%81%8B%E4%B8%87%E8%8A%B1_%E8%8A%B3%E4%B9%83A10_%E5%BE%AE%E7%AC%9
    1.jpg"
12 |
13 | Content-Type: image/jpg
14 |
```



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

```
1 //success
2 {
3   "status": "success",
4   "imgurl": [
5     "image\\item\\0.37298177116166853.jpg",
6     "image\\item\\0.8804691995112837.jpg",
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.eyJ1dWlkIjoxLCJmcmF0ZSI6MTU2NzI1NTA2MDEzNiwiawF0IjoxyNTYzMjU1MDYwfQ.-lowPB14QFyw9idh9QAAtjiITTOehPB9isdgDZ183ki","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.eyJ1dWlkIjoxLCJpZ3Q9LCJmcmF0ZSI6MTU2NzYwNTM0ODY4ODswIawF0IjoxNTY3NjA1Mzg4fQ. jCF-T3w_Z_E9u6GnZJY2ofB0n4kjXlik3f9j14vJmg"} }
```

```
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

```
1 sold:
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
```

```
1 //success
2 {
3     "itemid": 1,
4     "uuid": 1,
5     "title": "432",
6     "type": 798,
7     "price": 987,
8     "imgurl": "image\\item\\1-1-0.jpg++image\\item\\1-1-1.jpg++image\\item\\1-
1-2.jpg++image\\item\\1-1-3.jpg++",
9     "depreciation": 798,
10    "note": "987",
11    "sold": 2,
12    "to": null,
13    "status": "success"
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.eyJ1dwIkiJoxLCJnZW51cmF0ZSI6MTU2NzU5NjMwMjIwMCwiawF0IjoxNTY3NTk2MzAyfQ.ijUssByf1HjPqWOMMCJMvqroJCaS1PKOBXUY  
  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 | //no item  
4 | {"status":"none"}  
5 | //wrong token  
6 | 403 Forbidden
```

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 |  
2 | 请求载荷 (payload)  
3 |  
4 | -----5005412110300  
5 |  
6 | Content-Disposition: form-data; name="token"  
7 |  
8 |  
9 |  
10 | eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1dwIkiJoxLCJnZW51cmF0ZSI6MTU2NzI0ODU  
    50TI4OSwiawF0IjoxNTY3MjQ4NTk5fQ.ezvX48rpjAAzd6Bwr3eFrSCnrQT_3SGoXID1NSWaa_8  
11 |  
12 | -----5005412110300  
13 | Content-Disposition: form-data; name="itemid"  
14 |  
15 |  
16 | 1  
17 | -----5005412110300  
18 |  
19 | Content-Disposition: form-data; name="file0";  
    filename="Hoshikawa_Hotaru.png"  
20 |
```

```

21 Content-Type: image/png
22 【文件载荷】
23 -----5005412110300
24
25 Content-Disposition: form-data; name="file1"; filename="23984.png"
26
27 Content-Type: image/png
28 【文件载荷】
29 -----5005412110300
30
31 Content-Disposition: form-data; name="file2"; filename="24370.png"
32
33 Content-Type: image/png
34 【文件载荷】
35 -----5005412110300
36
37 Content-Disposition: form-data; name="file3"; filename="53-098.png"
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\\item\\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
13 //wrong token
14 403 Forbidden

```

modify

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

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

```

1 {"表单数据":
  {"token":"eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1dWlkIjoxLCJnZW5lcmF0ZSI6MTU2NzI1NTA2MDEzNiwiawF0IjoxNTY3MjU1MDYwYwQ. -1oWPB14QFyw9idh9QAAtjiITTOehPB9isdgDZ183ki","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.eyJ1dWlkIjoxLCJnZW51cmF0ZSI6MTU2NzU2NTYwODkzNCwiaWF0IjoxNTY3NTY1NjA4fQ.J_END7-qsN7HyPmLpQXHcaBOy1NvI960TSEgVg4X-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.eyJ1dWlkIjoxLCJnZW51cmF0ZSI6MTU2NzU2NTYwODkzNCwiaWF0IjoxNTY3NTY1NjA4fQ.J_END7-qsN7HyPmLpQXHcaBOy1NvI960TSEgVg4X-9w"}}
```

```
1 {
2   "status": "success",
3   "res": [
4     {
5       "id": 5,
6       "itemid": 3,
7       "uuid": 1
8     },
9     {
10      "id": 7,
11      "itemid": 1,
```

```

12     "uuid": 1
13   },
14   {
15     "id": 8,
16     "itemid": 2,
17     "uuid": 1
18   },
19   {
20     "id": 9,
21     "itemid": 3,
22     "uuid": 1
23   },
24   {
25     "id": 10,
26     "itemid": 4,
27     "uuid": 1
28   },
29   {
30     "id": 11,
31     "itemid": 5,
32     "uuid": 1
33   },
34   {
35     "id": 12,
36     "itemid": 6,
37     "uuid": 1
38   },
39   {
40     "id": 13,
41     "itemid": 7,
42     "uuid": 1
43   },
44   {
45     "id": 14,
46     "itemid": 8,
47     "uuid": 1
48   },
49   {
50     "id": 15,
51     "itemid": 9,
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.

```
1 | POST /fav/add
```

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

```
1 {"表单数据":  
  {"token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1dwIkiJoxLCJnZW51cmF0ZSI6MTU2NzU5NjMwMjIwMCwiaWF0IjoxNTY3NTk2MzAyfQ.i jUssByf1HjPqWOMMcJMvqroJCaS1PKOBXUYYaS6dYU", "data": "[1,2,3]"}}
```

```
1 //success  
2 {  
3   "status": "success"  
4 }
```

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.eyJ1dwIkiJoxLCJnZW51cmF0ZSI6MTU2NzU5NjMwMjIwMCwiaWF0IjoxNTY3NTY1NjA4fQ.J_END7-qSN7HyPmLpQXHcaBOy1NvI96OTSEgVg4X-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.eyJ1dwIkiJoxLCJnZW51cmF0ZSI6MTU2NzU5NjMwMjIwMCwiaWF0IjoxNTY3NTY1NjA4fQ.J_END7-qSN7HyPmLpQXHcaBOy1NvI96OTSEgVg4X-9w", "to": "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 | The name property of the file is arbitrary and the request size is no greater
   | than 2mb
```

```
1 | {"表单数据":
   | {"token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1dWlkIjoxLCJnZW51cmF0ZSI6MTU2NzU2NTYwODkzNCwiaWF0IjoxNTY3NTY1NjA4fQ.J_END7-qsn7HyPmLpQXHcaBOy1NvI960TSEgvG4X-9w"}}}
```

```
1 | {
2 |   "status": "success",
3 |   "data": [
4 |     {
5 |       "id": 2,
6 |       "from": 1,
7 |       "to": 1,
8 |       "data": "hi, world.",
9 |       "fetched": false,
10 |      "createdAt": "2019-09-04T14:29:05.000Z",
11 |      "updatedAt": "2019-09-04T14:29:05.000Z"
12 |    }
13 |  ]
14 | }
```

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.eyJ1dWlkIjoxLCJnZW51cmF0ZSI6MTU2NzU2NTYwODkzNCwiaWF0IjoxNTY3NTY1NjA4fQ.J_END7-qsn7HyPmLpQXHcaBOy1NvI960TSEgvG4X-9w"}}}
```

```
1 | {
2 |   "status": "success",
3 |   "data": [
4 |     {
5 |       "id": 1,
6 |       "from": 1,
7 |       "to": 1,
8 |       "data": "hi",
9 |       "fetched": true,
10 |      "createdAt": "2019-09-04T07:17:22.000Z",
11 |      "updatedAt": "2019-09-04T07:37:56.000Z"
12 |    },
13 |    {
14 |      "id": 2,
```



```
15     "from": 1,  
16     "to": 1,  
17     "data": "hi, world.",  
18     "fetchd": true,  
19     "createdAt": "2019-09-04T14:29:05.000Z",  
20     "updatedAt": "2019-09-04T14:36:32.000Z"  
21   }  
22 ]  
23 }
```

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"}}  
5
```

```
1 //success  
2 {  
3   "took":7,  
4   "timed_out":false,  
5   "_shards":  
6     {  
7       "total":5,  
8       "successful":5,  
9       "skipped":0,  
10      "failed":0  
11    },  
12   "hits":  
13     {  
14       "total":0,  
15       "max_score":null,  
16       "hits":[  
17         ]  
18     }  
19   }  
20 //invaile request  
21 {  
22   "status": "failure",  
23   "info": "invaile request"  
24 }
```