

# FOOF Background Service

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## FOOF Background Service

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## Version

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- version: v6.6.2 alpha
- updated: 2019/09/06 16:42
- author: Hanyuu Furude

## Characteristics

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- 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.config.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		phonenummer		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	depreciations	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 +-----+-----+-----+-----+-----+-----+
3 | Field  | Type      | Null | Key | Default | Extra      |
4 +-----+-----+-----+-----+-----+-----+
5 | id     | int(11)   | NO   | PRI | NULL    | auto_increment |
6 | itemid | int(11)   | NO   |     | NULL    |              |
7 | uuid   | int(11)   | NO   |     | NULL    |              |
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](http://hanyuu.top:8080)
- international: [inari.ml:8080](http://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.eyJ1dWlkIjoxLCJnZW51cmF0ZSI6MTU2NzU5NjMwMjIwMzIwIiwiaWF0IjoxNTY3NTk2MzAyfQ.iUssByf1HjPqWOMMCJMvqroJCaS1PKOBXUYYaS6dYU"}}}
```

```
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\",
    \"image\\\\\\\\item\\\\\\\\0.5106340873338395.jpg\",
    \"image\\\\\\\\item\\\\\\\\0.37461623290026935.jpg\",
    \"image\\\\\\\\item\\\\\\\\0.887643214342515.jpg\"      ]",
9      "depreciation": 99,
10     "note": "然而并没什么描述",
11     "sold": -1,
12     "to": null
13 },
14 {
15     "itemid": 6,
16     "uuid": 1,
17     "title": "未命名商品2",
18     "type": 2,
19     "price": 3.99,
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.ijUssByf1HjPqWOMMcJMVqroJCaS1PK0BXUYYaS6dYU"}}}
```

```
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-bxf7P55BU5ouvbGWTbzyTFZ-AH2JLPGLuVC58ge0"
18 }
19 // password incorrect
20 {
21     "status": "failure",
22     "info": "password incorrect"
23 }

```

## 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":{"phonenumber":"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":{"phonenumber":"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.eyJ1dwlkIjoxLCJnZW51cmF0ZSI6MTU2NzI0NzkzMDk3MjYwIiwiaWF0IjoxNTY3MjQ3OTMwfQ.CQxtqPF7OkYPUovE1E115udo1CS54F6yOZxCbcc3mUM
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.eyJ1dWlkIjoxLCJnZW51cmF0ZSI6MTU2NzI1NTA2MDEzNiwiawF0IjoxNTY3MjU1MDYwfQ.-1owPB14QFyw9idh9QAAtjiITTOehPB9isdgDZ183ki","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.eyJ1dWlkIjoxLCJnZW51cmF0ZSI6MTU2NzYwNTM4ODY4OSwiawF0IjoxNTY3NjA1Mzg4fQ.jCF-T3w_Z_E9u6GnZJY20fB0n4kjXlikC3f9j14vJmg"}}}
```

```
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   want: -1,
6   got: -2,
7 }
```

## 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": "987",
9   "depreciation": 798,
10  "note": "987",
11  "sold": 987,
12  "to": 0,
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.eyJ1dWlkIjoxLCJnZW51cmF0ZSI6MTU2NzU5NjMwMjIwMCI6IjoxNTY3NTk2MzAyfQ.ijUssByf1HjPqWOMMcJMvqroJCaS1PKOBXUYas6dYU","title":"未命名商品1","type":"1","price":"1.23","imgurl":"
  [+++++"image\\\\item\\\\0.35113526938054584.jpg",+++++"image\\\\item\\\\0.5106340873338395.jpg",+++++"image\\\\item\\\\0.37461623290026935.jpg",+++++"image\\\\item\\\\0.887643214342515.jpg"+++],"depreciation":"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.eyJ1dWlkIjoxLCJnZW51cmF0ZSI6MTU2NzI0ODU
11 50TI40SwiaWF0IjoxNTY3MjQ4NTk5fQ.ezvX48rpjAAzd6Bwr3eFrSCnrQT_3SGoXID1NSWaa_8
12 -----5005412110300
13
14 Content-Disposition: form-data; name="file0";
15 filename="Hoshikawa_Hotaru.png"
16
17 Content-Type: image/png
18 【文件载荷】
19 -----5005412110300
20
21 Content-Disposition: form-data; name="file1"; filename="23984.png"
22
23 Content-Type: image/png
24 【文件载荷】
25 -----5005412110300
26
27 Content-Disposition: form-data; name="file2"; filename="24370.png"
28
29 Content-Type: image/png
30 【文件载荷】
31 -----5005412110300
32
33 Content-Disposition: form-data; name="file3"; filename="53-098.png"
34
35 Content-Type: image/png
36 【文件载荷】
37 -----5005412110300
```

```

1 // success
2 {
3   "status": "success",
4   "imgurl": [
5     "image\\item\\0.35113526938054584.jpg",
6     "image\\item\\0.5106340873338395.jpg",
7     "image\\item\\0.37461623290026935.jpg",
8     "image\\item\\0.887643214342515.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.eyJ1dWlkIjoxLCJnZW51cmF0ZSI6MTU2NzI1NTA2MDEzNiwiawF0IjoxNTY3MjU1MDYwfQ.-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-qSN7HyPmLpQXHcaBOylNvI960TSEgVg4X-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.eyJ1dwIkiIjoxLCJnZW51cmF0ZSI6MTU2NzU2NTYwODkzNCwiawF0IjoxNTY3NTY1NjA4fQ.J_END7-qsn7HyPmLpQXHcaBOy1Nvi960TSEgv4X-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.eyJ1dWlkIjoxLCJnZW51cmF0ZSI6MTU2NzU5NjMwMjIwMCwiaWF0IjoxNTY3NTk2MzAyfQ.ijUssByf1HjPqWOMMcJMVqroJCas1PKOBXUY
  YaS6dYU","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.eyJ1dwIkiJoxLCJnZW51cmF0ZSI6MTU2NzU2NTYwODkzNCwiawF0IjoxNTY3NTY1NjA4fQ.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.eyJ1dwIkiJoxLCJnZW51cmF0ZSI6MTU2NzU2NTYwODkzNCwiawF0IjoxNTY3NTY1NjA4fQ.J_END7-qSN7HyPmLpQXHcaBOylNvi96OTSEgVg4X-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.eyJ1dwIkiJoxLCJnZW51cmF0ZSI6MTU2NzU2NTYwODkzNCwiawF0IjoxNTY3NTY1NjA4fQ.J_END7-qSN7HyPmLpQXHcaBOylNvi96OTSEgVg4X-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.eyJ1dw1kIjoxLCJnZW51cmF0ZSI6MTU2NzU2NTYwODkzNCwiaWF0IjoxNTY3NTY1NjA4fQ.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 |      "fetched": 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"}}
```

```
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 //invald request
21 {
22   "status": "failure",
23   "info": "invald request"
24 }
```