FOOF Background Service

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FOOF Background Service
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```

Version

version: v6.5.0 alphaupdated: 2019/09/05 17:12author: 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/avatarhanyuufurude/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'
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.

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

};
```

SQL table fields

users

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		
.0	address	varchar(255)	NO		NULL		
.1	avatarurl	varchar(255)	NO		NULL		
.2	verified	int(11)	NO		NULL		
.3	score	int(11)	NO		NULL		
.4	info	varchar(255)	NO		NULL		

items

+	-+	-+-		+		+-		+
Field	Туре		Null		Key		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	
+	-+	-+-		+		+-		<u> </u>

favorites

chats

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 {
    "uuid": 1,
     "username": "新手咸鱼人员",
    "avatarurl": "image\\avatar\\default.jpg",
    "verified": 0,
 6
    "score": 10,
 7
    "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",
     "idcard": "",
7
     "studentid": "0",
     "address": "",
8
      "avatarurl": "image\\avatar\\default.jpg",
9
     "verified": 0,
10
```

published

```
1 | POST /user/published

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

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

```
1
   Γ
2
    {
      "itemid": 5,
3
4
      "uuid": 1,
      "title": "未命名商品1",
5
6
      "type": 1,
7
      "price": 1.23,
      "imgurl": "[
                   \"image\\\item\\\0.35113526938054584.jpg\",
   \"image\\\item\\\0.5106340873338395.jpg\",
   9
      "depreciatione": 99,
      "note": "然而并没什么描述",
10
11
      "sold": -1,
      "to": null
12
13
    },
14
      "itemid": 6,
15
16
      "uuid": 1,
      "title": "未命名商品2",
17
18
      "type": 2,
19
      "price": 3.99,
20
      "imgurl": "[
                    \"image\\\item\\\0.35113526938054584.jpg\",
   \"image\\\item\\\0.5106340873338395.jpg\",
   \"image\\\item\\\0.887643214342515.jpg\" ]",
21
      "depreciatione": 99,
      "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
     {
 3
       "itemid": 3,
 4
       "uuid": 1,
 5
       "title": "432",
       "type": 798,
 6
      "price": 987,
 7
       "imgurl": "987",
 8
 9
       "depreciatione": 798,
10
       "note": "987",
      "sold": -2,
11
12
      "to": 1
13
     },
14
15
       "itemid": 4,
      "uuid": 1,
16
      "title": "432",
17
      "type": 798,
18
      "price": 987,
19
20
       "imgurl": "987",
      "depreciatione": 798,
21
      "note": "987",
22
       "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
7
        "phonenumber": "1",
        "idcard": "",
8
        "studentid": "0",
9
        "address": "",
10
```

```
11
       "avatarurl": "image\\avatar\\default.jpg",
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
     "status": "failure",
20
    "info": "password incorrect"
21
```

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

require verify code (phone number)

```
1 POST /user/requirecode
    Content-Type:application/x-www-form-urlencoded
 1 {"表单数据":{"phonenumber":"1"}}
   //success
   {"status":"success"}
upload avatar
 • the request size is no greater than 1mb
    POST /user/avatar (avatar's max size: 1mb)
```

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

```
-----644897516845
2
  Content-Disposition: form-data; name="token"
3
4
5
6
  eyJhbGcioiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1dWlkIjoxLCJnZW5lcmF0ZSI6MTU2NzI0Nzk
  zMDk3MywiaWF0IjoxNTY3MjQ3OTMwfQ.cQxtqPF70kYPU0velel15udolCS54F6yOZxCbcc3mUM
9
   -----644897516845
10
11
  Content-Disposition: form-data; name="file"; filename="800px-
  1.jpg"
12
13
  Content-Type: image/jpg
14
   【文件载荷内容】
15
   -----644897516845--
16
```

```
//success
1
 2
    {
 3
      "status": "success",
      "imgurl": [
4
 5
        "image\\item\\0.37298177116166853.jpg",
        "image\\item\\0.8804691995112837.jpg",
 6
        "image\\item\\0.1519560908440687.jpg",
 7
8
        "image\\item\\0.18944967144424818.jpg"
      ]
9
   }
10
11
    //wrong token
   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

```
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,
     "uuid": 1,
4
     "title": "432",
5
6
     "type": 798,
7
     "price": 987,
     "imgurl": "987",
8
     "depreciatione": 798,
9
     "note": "987",
10
11
     "sold": 987,
12
      "to": 0,
     "status": "success"
13
14 }
15
   //no item
16 {"status":"none"}
```

add

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

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

```
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
   -----5005412110300
4
5
6
   Content-Disposition: form-data; name="token"
7
8
9
   eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1dWlkIjoxLCJnZW5lcmF0ZSI6MTU2NzI0ODU
10
   50TI40SwiaWF0IjoxNTY3MjQ4NTk5fq.ezvX48rpjAAzd6Bwr3eFrSCnrQT_3SGoXID1NSWAa_8
11
12
     -----5005412110300
13
   Content-Disposition: form-data; name="file0";
14
   filename="Hoshikawa_Hotaru.png"
15
16
   Content-Type: image/png
17
   【文件载荷】
   -----5005412110300
18
19
  Content-Disposition: form-data; name="file1"; filename="23984.png"
20
21
   Content-Type: image/png
22
23
   【文件载荷】
24
   -----5005412110300
25
   Content-Disposition: form-data; name="file2"; filename="24370.png"
26
27
28
   Content-Type: image/png
29
   【文件载荷】
30
   -----5005412110300
31
32 | Content-Disposition: form-data; name="file3"; filename="53-098.png"
33
34 | Content-Type: image/png
   【文件载荷】
35
   -----5005412110300
```

```
1 // success
 2
      "status": "success",
 3
4
      "imgurl": [
        "image\\item\\0.35113526938054584.jpg",
 5
6
        "image\\item\\0.5106340873338395.jpg",
 7
        "image\\item\\0.37461623290026935.jpg",
        "image\\item\\0.887643214342515.jpg"
8
9
      ]
10
   }
11
   // file too large
12 | 413 Request Entity Too Large
   //wrong token
13
14 | 403 Forbidden
```

modify

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

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

```
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"}}
```

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

// not for trade
{
    "status": "failure",
    "info": "item not availabe for trade"
}
```

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","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
```

```
\boldsymbol{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.eyJ1dwlkIjoxLCJnZw5lcmF0ZSI6MT
    U2NzU2NTYwODkzNCwiaWF0IjoxNTY3NTY1NjA4fQ.J_END7-
    qsN7HyPmLpQXHcaBOylNvI96OTSEgVg4X-9w"}}
```

```
1
     "status": "success",
2
3
     "data": [
4
      {
         "id": 2,
5
         "from": 1,
6
         "to": 1,
7
         "data": "hi, world.",
8
9
         "fetched": false,
```

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
    {
      "status": "success",
 2
 3
      "data": [
4
        {
          "id": 1,
          "from": 1,
 6
          "to": 1,
7
8
          "data": "hi",
9
          "fetched": true,
          "createdAt": "2019-09-04T07:17:22.000z",
10
          "updatedAt": "2019-09-04T07:37:56.000Z"
11
12
        },
13
       {
          "id": 2,
14
          "from": 1,
15
          "to": 1,
16
          "data": "hi, world.",
17
          "fetched": true,
18
          "createdAt": "2019-09-04T14:29:05.000Z",
19
20
          "updatedAt": "2019-09-04T14:36:32.000Z"
21
        }
22
      ]
23 }
```

Search

todo